Appropriate Use Criteria for *Surveillance of Local Recurrence and Distant Metastasis after Surgical Treatment of Bone and Soft Tissue Sarcomas*

Adopted by the Musculoskeletal Tumor Society Executive Committee

June 18, 2018

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This Appropriate Use Criteria has been endorsed by the following organizations:

Disclaimer
Volunteer physicians from multiple medical specialties created and categorized these Appropriate Use Criteria. These Appropriate Use Criteria are not intended to be comprehensive or a fixed protocol, as some patients may require more or less treatment, or different means of diagnosis. These Appropriate Use Criteria represent patients and situations that clinicians treating or diagnosing musculoskeletal conditions are most likely to encounter. The clinician's independent medical judgment, given the individual patient's clinical circumstances, should always determine patient care and treatment.

Disclosure Requirement
In accordance with American Academy of Orthopaedic Surgeons policy, all individuals whose names appear as authors or contributors to this document filed a disclosure statement as part of the submission process. All authors provided full disclosure of potential conflicts of interest prior to participation in the development of these Appropriate Use Criteria. Disclosure information for all panel members can be found in Appendix C.

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I. INTRODUCTION

OVERVIEW

The Musculoskeletal Tumor Society (MSTS) has developed this Appropriate Use Criteria (AUC) to determine the appropriateness of various imaging modalities and the timing of surveillance for Surveillance of Local Recurrence and Distant Metastasis after Surgical Treatment of Bone and Soft Tissue Sarcomas. This AUC is intended for use with patients with bone or soft tissue sarcomas following surgical resection with intent to cure. Palliative patients or patients with low functional status who are not candidates for additional chemotherapy, radiation therapy, and/or surgery are not included within the scope of this AUC. The scope of these appropriate use criteria includes the surveillance for local recurrence, regional lymphatic and distant metastatic disease in individuals that have had surgical removal of a primary sarcoma. It does not provide recommendations for patients that have not had surgery, benign bone tumors, or tumors of unknown malignant or metastatic potential. These AUCs are intended for use by appropriately trained practitioners involved in the surveillance of local recurrence and distant metastasis after surgical treatment of bone and soft tissue sarcomas.

An "appropriate" healthcare service is one for which the expected health benefits exceed the expected negative consequences by a sufficiently wide margin.[2] A systematic literature review, in conjunction with the clinical expertise of physicians from multiple medical specialties, was used to develop the criteria in order to improve patient care and obtain the best outcomes while considering the subtleties and distinctions necessary in making clinical decisions. To provide the evidence foundation for this AUC, an independent literature search (see Appendix A) was provided to the writing panel and voting panel.

The purpose of this AUC is to help determine the appropriateness of various imaging modalities and the timing of those modalities for the heterogeneous patient population routinely seen in practice. The literature was synthesized with the collective expert opinion on topics where evidence was limited or inadequately detailed distinct patient types. When there is evidence corroborated by consensus that expected benefits substantially outweigh potential risks, costs not considered, a procedure is determined to be appropriate. The AAOS uses the RAND/UCLA Appropriateness Method (RAM)[2] to assess the appropriateness of a particular treatment. This process includes reviewing the results of the evidence analysis, compiling a list of clinical vignettes, and having an expert panel comprised of representatives from multiple medical specialties to determine the appropriateness of each of the clinical indications for treatment as "Appropriate," "May be Appropriate," or "Rarely Appropriate." To access a more user-friendly version of the appropriate use criteria for this topic online, please visit our AUC web-based application at www.orthoguidelines.org/auc.

Volunteer clinicians from multiple medical specialties created and categorized these Appropriate Use Criteria. These Appropriate Use Criteria are not intended to be comprehensive or a fixed protocol, as some patients may require more or less treatment or different means of diagnosis. These Appropriate Use Criteria represent patients and situations that clinicians treating or diagnosing musculoskeletal conditions are most likely to encounter. The clinician's independent medical judgment, given the individual patient's clinical circumstances, should always determine patient care and treatment. Practitioners are advised to consider management options in the

context of their own training and background and institutional capabilities when selecting recommended treatment options.

INTERPRETING THE APPROPRIATENESS RATINGS

To prevent misuse of these criteria, it is extremely important that the user of this document understands how to interpret the appropriateness ratings. The appropriateness rating scale ranges from one to nine and there are three main range categories that determine how the median rating is defined (i.e. 1-3 = "Rarely Appropriate", 4-6 = "May Be Appropriate", and 7-9 = "Appropriate"). Before these AUCs are consulted, the user should read through and understand all contents of this document.

HOW WILL THESE RATINGS BE USED?

Appropriateness ratings have many uses, a few of which include:

- Aid in clinical decision-making
- Prevention of overuse and underuse of procedures/treatments across practices and regions
- Catalyze new research in areas where research is currently lacking
- Production of educational and quality improvement tools
- Fill in knowledge gaps where evidence is absent
- Aid in clinician-patient discussion

II. METHODS

This AUC is based on a review of the available literature and a list of clinical scenarios (i.e. criteria) constructed and voted on by experts in relevant medical fields. This section describes the methods adapted from RAM[2]. This section also includes the activities and compositions of the various panels that developed, defined, reviewed, and voted on the criteria.

Two panels participated in the development of this AUC, a writing panel and a voting panel. Members of the writing panel developed a list of 144 patient scenarios with 27 treatment options, to evaluate for appropriateness, as well as a list of assumptions. The voting panel participated in two rounds of voting. During the first round, the voting panel was given approximately two months to independently rate the appropriateness of each treatment option for each of the patient scenarios as 'Appropriate', 'May Be Appropriate', or 'Rarely Appropriate' via an electronic ballot. After the first round of voting/appropriateness ratings were submitted, AAOS staff calculated the median ratings for each patient scenario and specific treatment. An in-person voting panel meeting was held in Rosemont, IL on Saturday, January 13, 2018. During this meeting voting panel members addressed the scenarios/treatments which resulted in disagreement from round one voting. The voting panel members discussed the list of assumptions, patient indications, and treatments to identify areas that needed to be clarified/edited. After the discussion and subsequent changes, the group was asked to rerate their first-round ratings during the voting panel meeting, only if they were persuaded to do so by the discussion and available evidence. There was no attempt to obtain consensus about appropriateness.

The MSTS EBM Committee and MSTS Executive Committee sequentially approved this AUC. The MSTS submits this AUC to the National Guidelines Clearinghouse and, in accordance with the National Guidelines Clearinghouse criteria, will update or retire this AUC within five years of the publication date.

DEVELOPING CRITERIA

Panel members of the DDH AUC developed patient scenarios using the following guiding principles:

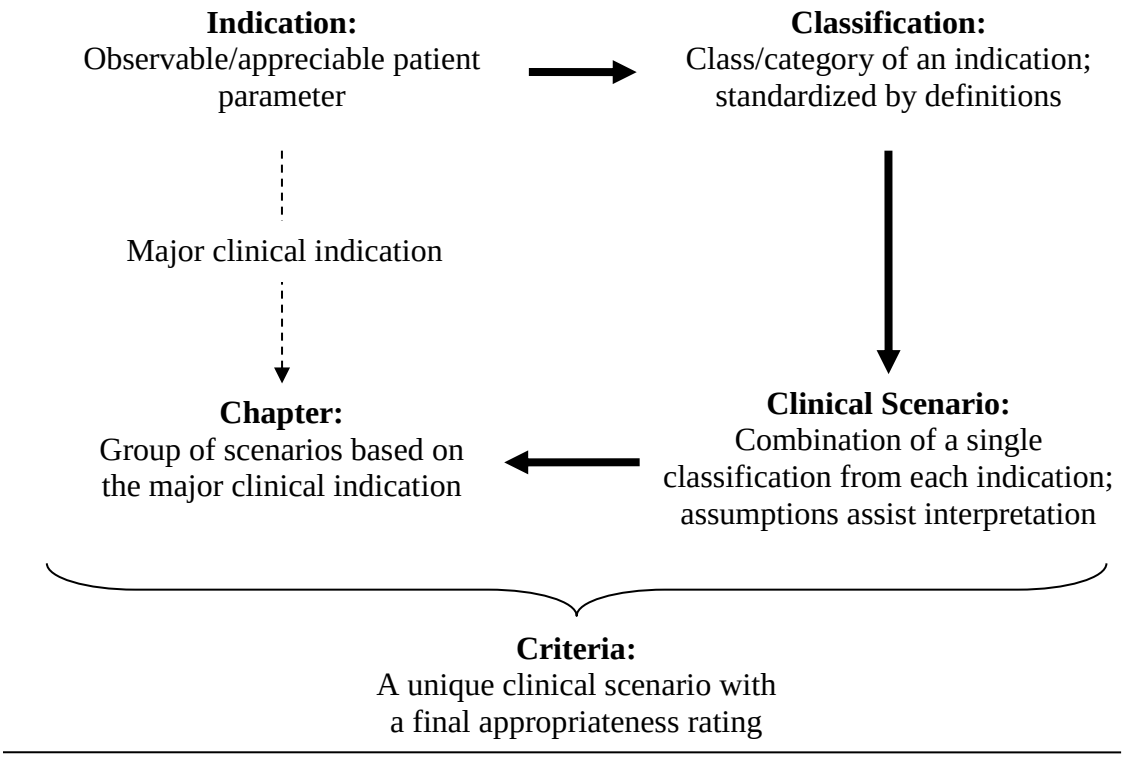
1) **Comprehensive** – Covers a wide range of patients.
2) **Mutually Exclusive -** There should be no overlap between patient scenarios/indications.
3) **Homogenous** –The final ratings should result in equal application within each of the patient scenarios.
4) **Manageable** – Number of total voting items (i.e. # of patient scenarios x # of treatments) should be practical for the voting panel. Target number of total voting items = 2000-6000. This means that not all patient indications and treatments can be assessed within one AUC.

The writing panel developed the scenarios by categorizing patients in terms of indications evident during the clinical decision-making process (**Error! Reference source not found.**). T hese scenarios relied upon definitions and general assumptions, mutually agreed upon by the writing panel during the development of the scenarios. These definitions and assumptions were necessary to provide consistency in the interpretation of the clinical scenarios among experts voting on the scenarios, and readers using the final criteria.

FORMULATING INDICATIONS AND SCENARIOS

The AUC writing panel began the development of the scenarios by identifying clinical indications typical of sarcoma patients common in clinical practice. Indications are most often parameters observable by the clinician, including symptoms or results of diagnostic tests. Additionally, “human factor” (e.g. activity level) or demographic variables can be considered.

FIGURE 1. DEVELOPING CRITERIA



Indications identified in the literature search served as a starting point for the writing panel, as well as ensured that these AUCs referenced the evidence base for this topic. The writing panel considered this initial list and other indications based on their clinical expertise, and selected the most clinically relevant indications (Table 4). The writing panel then defined distinct classes for each indication to stratify/categorize the indication (Table 4).

The writing panel organized these indications into a matrix of clinical scenarios that addressed all combinations of the classifications. The writing panel was given the opportunity to remove any scenarios that rarely occur in clinical practice, but agreed that all scenarios were clinically relevant. The major clinical decision-making indications chosen by the writing panel divided the matrix of clinical scenarios into chapters, as follows: risk of metastatic disease, risk of local recurrence, tumor type, extrapulmonary metastatic risk or history, history of recurrence, and time since treatment.

CREATING DEFINITIONS AND ASSUMPTIONS

The writing panel constructed concise and explicit definitions for the indications and classifications. This standardization helps ensure that the way the writing panel defined the patient indications is consistent among those reading the clinical scenario matrix or the final criteria. Definitions create explicit boundaries when possible and are based on standard medical practice or existing literature.

Additionally, the writing panel formulated a list of assumptions in order to provide more consistent interpretations of a scenario. These assumptions differed from definitions in that they identified circumstances that exist outside of the control of the clinical decision-making process. Assumptions also address the use of existing published literature regarding the effectiveness of treatment and/or the procedural skill level of physicians. Assumptions also highlight intrinsic methods described in this document such as the role of cost considerations in rating appropriateness, or the validity of the definition of appropriateness. The main goal of assumptions is to focus scenarios so that they apply to the average patient presenting to an average physician at an average facility.[1]

The definitions and assumptions should provide all readers with a common starting point in interpreting the clinical scenarios. The list of definitions and assumptions accompanied the matrix of clinical scenarios in all stages of AUC development and appears in the Writing Panel section of this document.

VOTING PANEL MODIFICATIONS TO WRITING PANEL MATERIALS

At the start of the in-person voting panel meeting, the voting panel was reminded that they can amend the original writing panel materials if the amendments resulted in more clinically relevant and practical criteria. To amend the original materials, the voting panel members were instructed that a member must make a motion to amend and another member must "second" that motion, after which a vote is conducted. If a majority of voting panel members voted "yes" to amend the original materials, the amendments were accepted.

The voting panel opted to make the following amendment/additions to the original AUC materials:

- Delete Assumption #6: "There will be patients not considered in this AUC (e.g. tumors of unknown metastatic potential), but the appropriateness of these guidelines for these patients was not considered in this document. Imaging modality is based on known metastatic proclivity."

- Edit Assumption #2 to include following verbiage: "Imaging modality is based on known metastatic proclivity."

- Edit Assumption #4 from "The patient is subjected to routine history and physical examination" to "The patient has received routine history and physical examination."

- Add Assumption: "Low risk of local recurrence takes into account their history of local recurrence."

- Within AUC interface, if the user selects "History of pulmonary recurrence" as part of patient profile, it automatically defaults to "High risk of metastatic disease."

DETERMINING APPROPRIATENESS

VOTING PANEL

As mentioned above, a multidisciplinary panel of clinicians was assembled to determine the appropriateness of the 27 imaging modalities for the various patient profiles. Two non-voting moderators, who are orthopaedic surgeons, moderated the voting panel and led the discussions. No member of the voting panel was involved in the development, i.e. writing panel, of the scenarios.

The voting panel used a modified Delphi procedure to determine appropriateness ratings. The voting panel participated in two rounds of voting while considering evidence-based information provided in the literature review. While cost is often a relevant consideration, panelists focused their appropriateness ratings on the effectiveness of surveillance options.

RATING APPROPRIATENESS

When rating the appropriateness of a scenario, the voting panel considered the following definition:

> "An appropriate treatment is one for which the treatment **is** generally acceptable, **is** a reasonable approach for the indication, and **is** likely to improve the patient's health outcomes or survival."

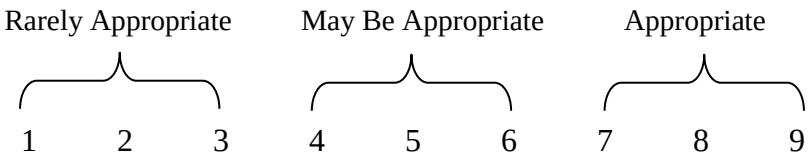
The voting panel rated each scenario using their best clinical judgment, taking into consideration the available evidence, for an average patient presenting to an average physician at an average facility as follows:

FIGURE 2. INTERPRETING THE 9-POINT APPROPRIATENESS SCALE

Rating	Explanation
7-9	**Appropriate**: Appropriate for the indication provided, meaning treatment **is** generally acceptable and **is** a reasonable approach for the indication and **is** likely to improve the patient's health outcomes or survival.
4-6	**May Be Appropriate**: Uncertain for the indication provided, meaning treatment **may** be acceptable and **may** be a reasonable approach for the indication, but with uncertainty implying that more research and/or patient information is needed to further classify the indication.
1-3	**Rarely Appropriate**: **Rarely** an appropriate option for management of patients in this population due to the lack of a clear benefit/risk advantage; **rarely** an effective option for individual care plans; exceptions should have documentation of the clinical reasons for proceeding with this care option (i.e. procedure is not generally acceptable and is not generally reasonable for the indication).

Each panelist uses the scale below to record their response for each scenario:

Appropriateness of [Topic]



ROUND ONE VOTING

The first round of voting occurred after approval of the final indications, scenarios, and assumptions by the writing panel. The voting panel rated the scenarios electronically using the AAOS AUC Electronic Ballot Tool, a personalized ballot created by AAOS staff. There was no interaction between voting panel members while completing the first round of voting. Panelists considered the following materials:

- The instructions for rating appropriateness
- The completed literature review, that is appropriately referenced when evidence is available for a scenario
- The list of indications, definitions, and assumptions, to ensure consistency in the interpretation of the clinical scenarios

ROUND TWO VOTING

The second round of voting occurred during the in-person voting panel meeting on January 13, 2018. Prior to the in-person meeting, each voting panelist received a personalized document that included his/her first-round ratings along with summarized results of the first-round ratings that resulted in disagreement. These results indicated the frequency of ratings for a scenario for all panelists. The document contained no identifying information for other panelists' ratings. The moderator also used a document that summarized the results of the panelists' first round voting. These personalized documents served as the basis for discussions of scenarios which resulted in disagreement.

During the discussion, the voting panel members were allowed to add or edit the assumptions list, patient indications, and/or treatments if clarification was needed. Voting panel members were also able to record a new rating for any scenarios/treatments, if they were persuaded to do so by the discussion and/or the evidence. There was no attempt to obtain consensus among the panel members. After the final ratings were submitted, AAOS staff used the AAOS AUC Electronic Ballot Tool to export the median values and level of agreement for all voting items.

FINAL RATINGS

Using the median value of the second-round ratings, AAOS staff determined the final levels of appropriateness. Disagreement among raters can affect the final rating. Agreement and disagreement were determined using the BIOMED definitions of Agreement and Disagreement, as reported in the RAND/UCLA Appropriate Method User's Manual [2], for a panel of 14-16 voting members (see Figure 3 below). The 14-16 panel member disagreement cutoff was used

for this voting panel. For this panel size, disagreement is defined as when ≥ 5 members' appropriateness ratings fell within the appropriate (7-9) and rarely appropriate (1-3) ranges for any scenario (i.e. ≥ members' ratings fell between 1-3 and ≥ 5 members' ratings fell between 7-9 on any given scenario and its treatment). If there is still disagreement in the voting panel ratings after the last round of voting, that voting item is labeled as "5" regardless of median score. Agreement is defined as ≤ 4 panelists rated outside of the 3-point range containing the median.

FIGURE 3. **DEFINING AGREEMENT AND DISAGREEMENT FOR APPROPRIATENESS RATINGS**

	Disagreement	**Agreement**
Panel Size	Number of panelists rating in each extreme (1-3 and 7-9)	Number of panelists rating outside the 3-point region containing the median (1-3, 4-6, 7-9)
8,9,10	≥ 3	≤ 2
11,12,13	≥ 4	≤ 3
14,15,16	**≥ 5**	**≤ 4**

Adapted from RAM [1]

The classifications in the table below determined final levels of appropriateness.

FIGURE 4. INTERPRETING FINAL RATINGS OF CRITERIA

Level of Appropriateness	**Description**
Appropriate	• Median panel rating between 7-9 and no disagreement
May Be Appropriate	• Median panel rating between 4-6 or • Median panel rating 1-9 with disagreement
Rarely Appropriate	• Median panel rating between 1-3 and no disagreement

III. PATIENT INDICATIONS AND TREATMENTS

Assumptions:

Before these appropriate use criteria (AUC) are consulted, it is assumed that:

1. The clinician knows the modality-specific contraindications to various sarcoma surveillance imaging options.
2. The patient has a confirmed sarcoma diagnosis. This AUC does not address tumors of unknown metastatic potential. Imaging modality is based on known metastatic proclivity.
3. The patient is surgically treated with an appropriate intervention for the local site of disease. Under normal clinical circumstances, gross positive margins should be avoided.
4. The patient's signs and symptoms are consistent with the history, physical exam, and imaging findings. The patient has received routine history and physical examination.
5. Imaging modalities are performed using consistent protocols across facilities and locations. Imaging modalities are regularly available.
6. The treating physician ultimately determines whether the patient is higher or lower risk for local or distant metastatic disease for the purposes of surveillance. Traits of higher risk patients include large tumor size, high grade histology, unplanned positive margin, and radiation and/or chemotherapy resistance. Traits of lower risk patients include low grade histology, smaller size, and radiation and chemotherapy sensitivity.
7. Low risk of local recurrence takes into account their history of local recurrence.
8. Patients with a history of pulmonary or extra pulmonary metastatic disease are assumed to be high-risk regardless of other clinical features.

PATIENT INDICATIONS

FIGURE 5. Patient Indications and Classifications

Indication	Classification(s)
Risk of Metastatic Disease (2)	• Low Risk of Metastatic Disease • High Risk of Metastatic Disease
Risk of Local Recurrence (2)	• Low Risk of Local Recurrence • High Risk of Local Recurrence
Tumor Type (2)	• Bone • Soft tissue
Extrapulmonary Metastatic Risk or History (2)	• Yes • Low risk and no history
History of Recurrence (3)	• None • Local • Pulmonary
Time since treatment (3)	• <2 years

	• 2-5 years • >5 years

Modalities

1. X-ray chest at intervals of approximately 3 months
2. X-ray chest at intervals of approximately 6 months
3. X-ray chest at intervals of approximately 12 months or longer
4. X-ray area(s) of interest at intervals of approximately 3 months
5. X-ray area(s) of interest at intervals of approximately 6 months
6. X-ray area(s) of interest at intervals of approximately 12 months or longer
7. CT chest at intervals of approximately 3 months
8. CT chest at intervals of approximately 6 months
9. CT chest at intervals of approximately 12 months or longer
10. CT area(s) of interest at intervals of approximately 3 months
11. CT area(s) of interest at intervals of approximately 6 months
12. CT area(s) of interest at intervals of approximately 12 months or longer
13. MRI at intervals of approximately 3 months
14. MRI at intervals of approximately 6 months
15. MRI at intervals of approximately 12 months or longer
16. Tc-99m whole body bone scan at intervals of approximately 3 months
17. Tc-99m whole body bone scan at intervals of approximately 6 months
18. Tc-99m whole body bone scan at intervals of approximately 12 months or longer
19. FDG-PET/CT whole body at intervals of approximately 3 months
20. FDG-PET/CT whole body at intervals of approximately 6 months
21. FDG-PET/CT whole body at intervals of approximately 12 months or longer
22. Ultrasound area(s) of interest at intervals of approximately 3 months
23. Ultrasound area(s) of interest at intervals of approximately 6 months
24. Ultrasound area(s) of interest at intervals of approximately 12 months or longer
25. CT abdomen/pelvis at intervals of approximately 3 months
26. CT abdomen/pelvis at intervals of approximately 6 months
27. CT abdomen/pelvis at intervals of approximately 12 months or longer

RESULTS OF APPROPRIATENESS RATINGS

Results

The following Appropriate Use Criteria tables contain the final appropriateness ratings assigned by the members of the voting panel. Patient characteristics are found under the column titled "Scenario". The Appropriate Use Criteria for each patient scenario can be found within each of the treatment rows. Each procedure contains the appropriateness (i.e. appropriate, may be appropriate, or rarely appropriate) for each patient scenario, followed by the median panel rating, and the panel's agreement in parentheses.

Out of 3240 total voting items, 309 (10%) were rated as "Appropriate", 761 (23%) were rated as "May Be Appropriate", and 2170 (67%) voting items were rated as "Rarely Appropriate" (Figure 6). Additionally, the voting panel members were in statistical agreement on 1691 (52%) voting items and were in statistical disagreement 27 (1%) voting items (Figure 7).

FIGURE 6. BREAKDOWN OF APPROPRIATENESS RATINGS

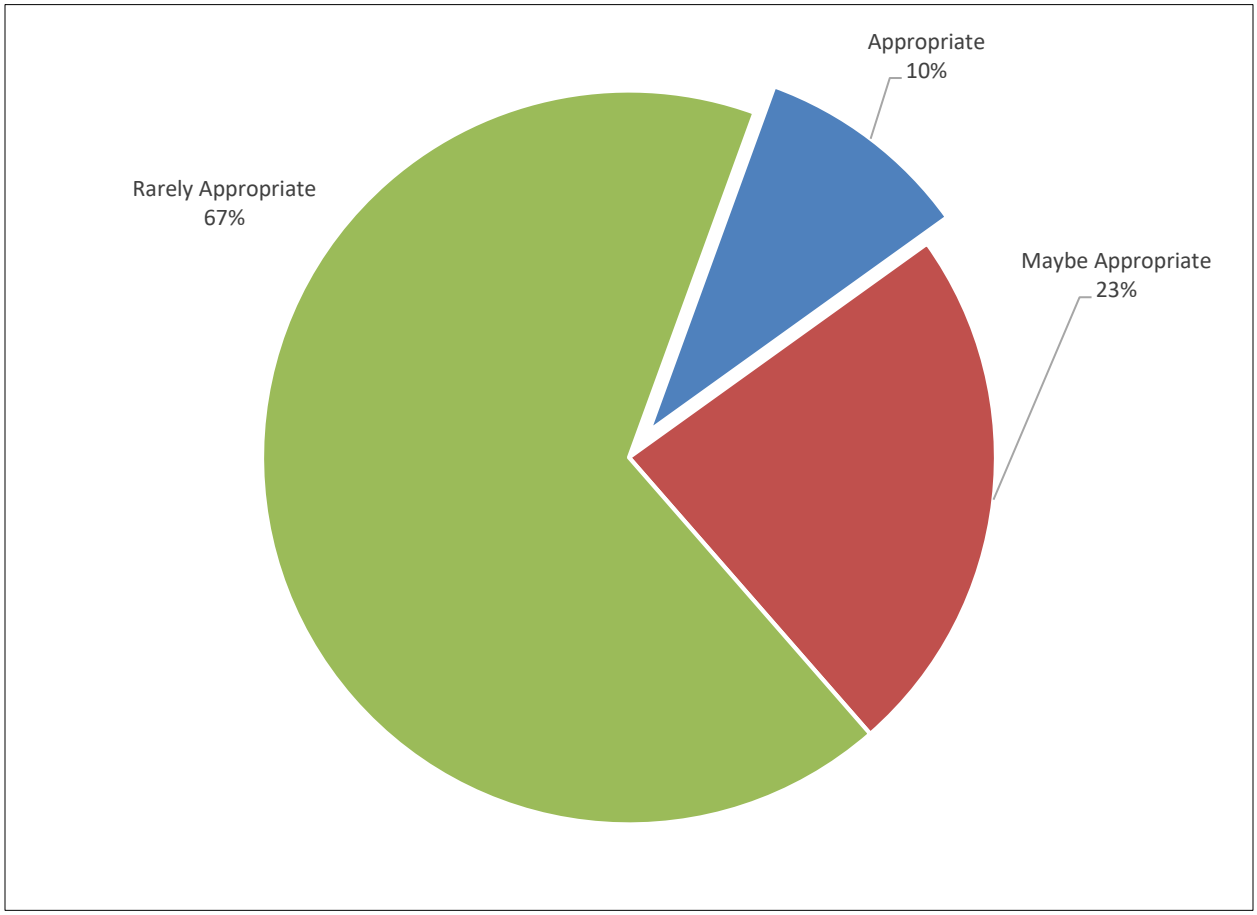


FIGURE 7. BREAKDOWN OF AGREEMENT AMONGST VOTING PANEL

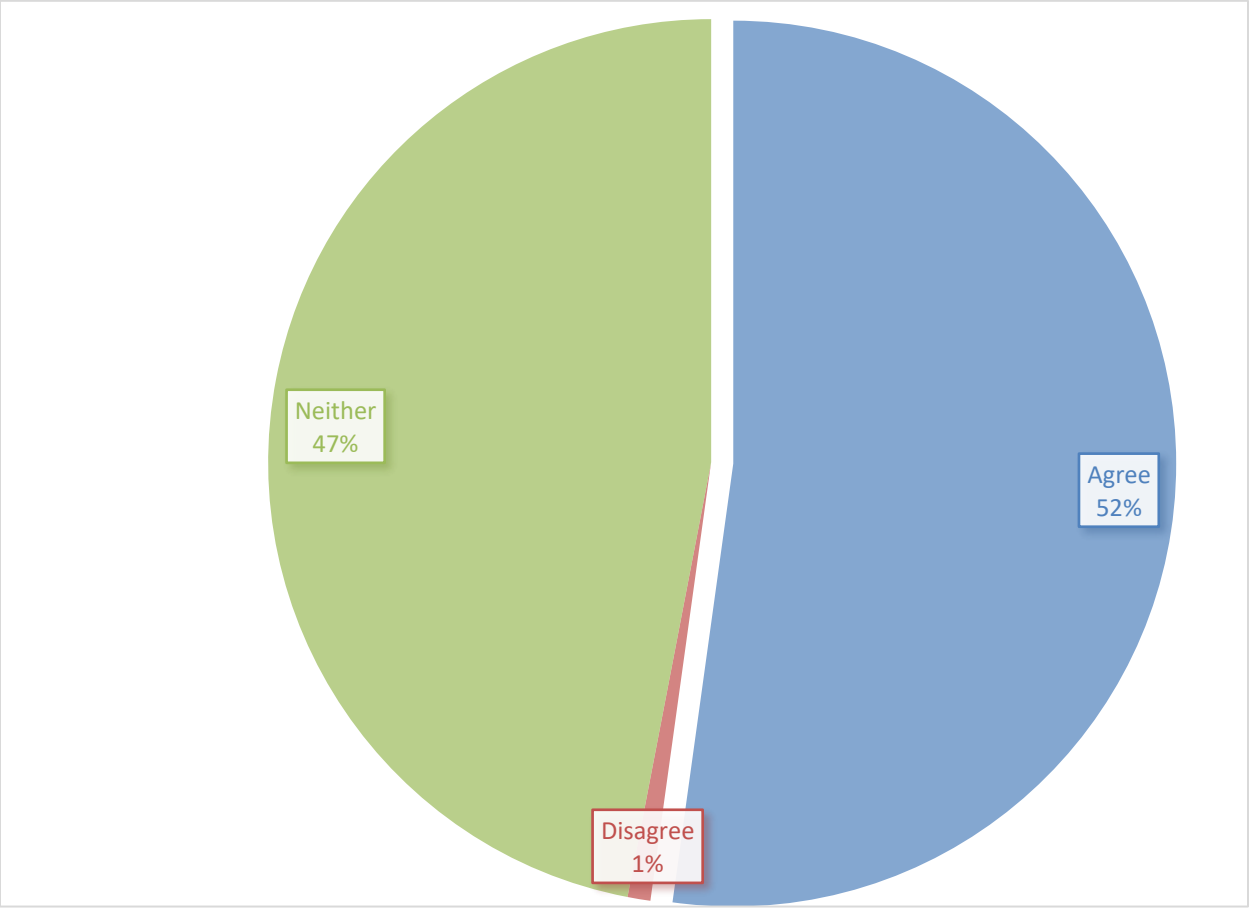


FIGURE 8. FREQUENCY OF APPROPRIATE RATINGS BY TOTAL NUMBER OF VOTING ITEMS

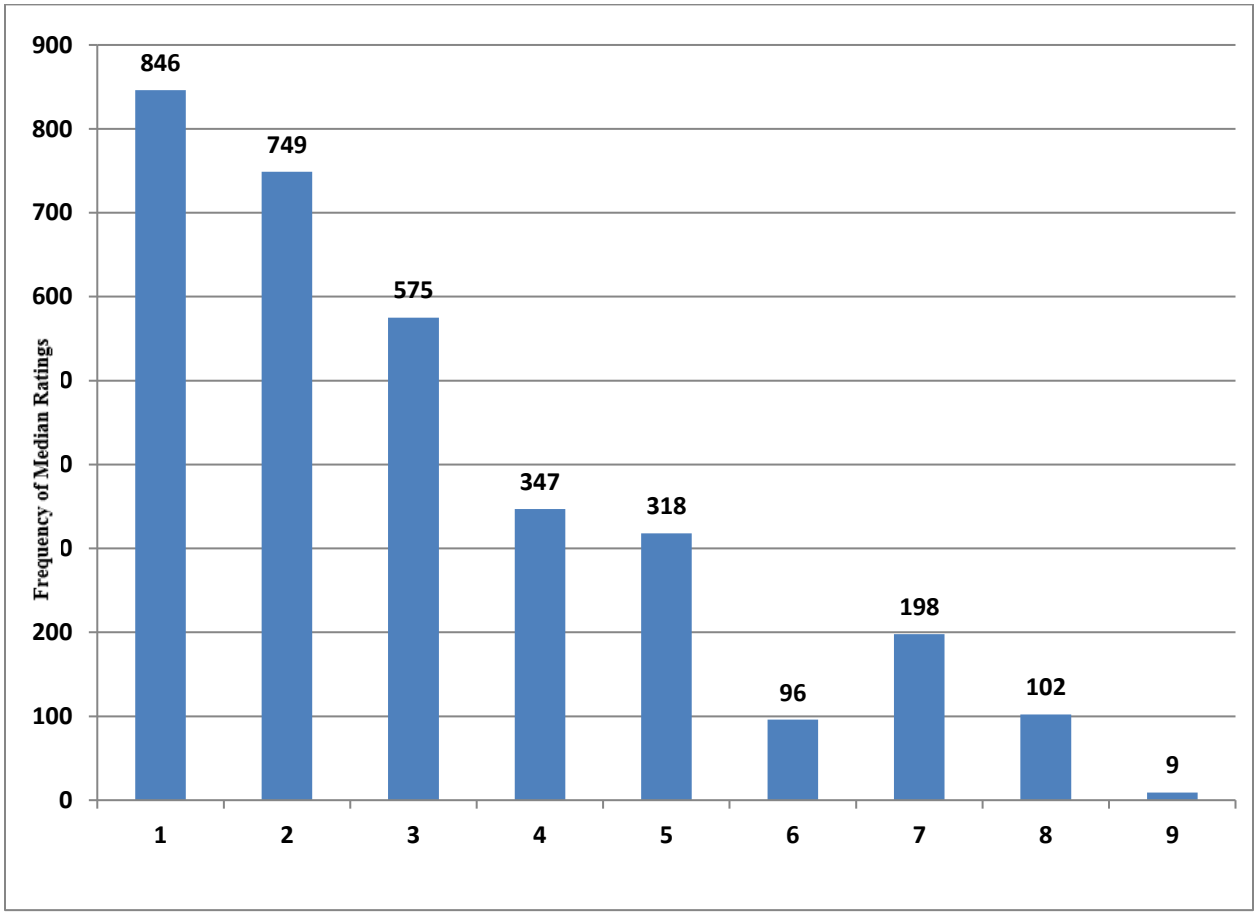
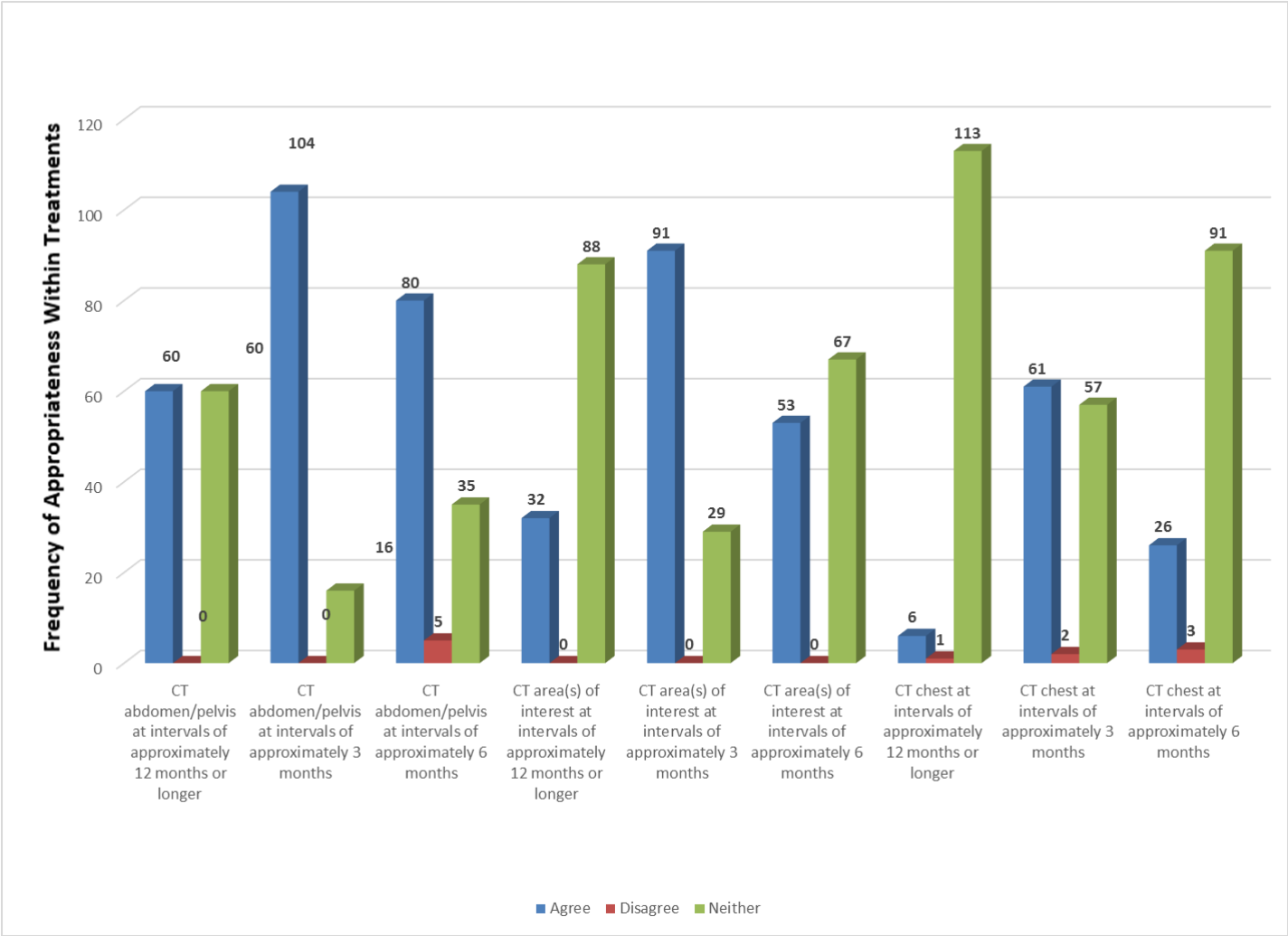
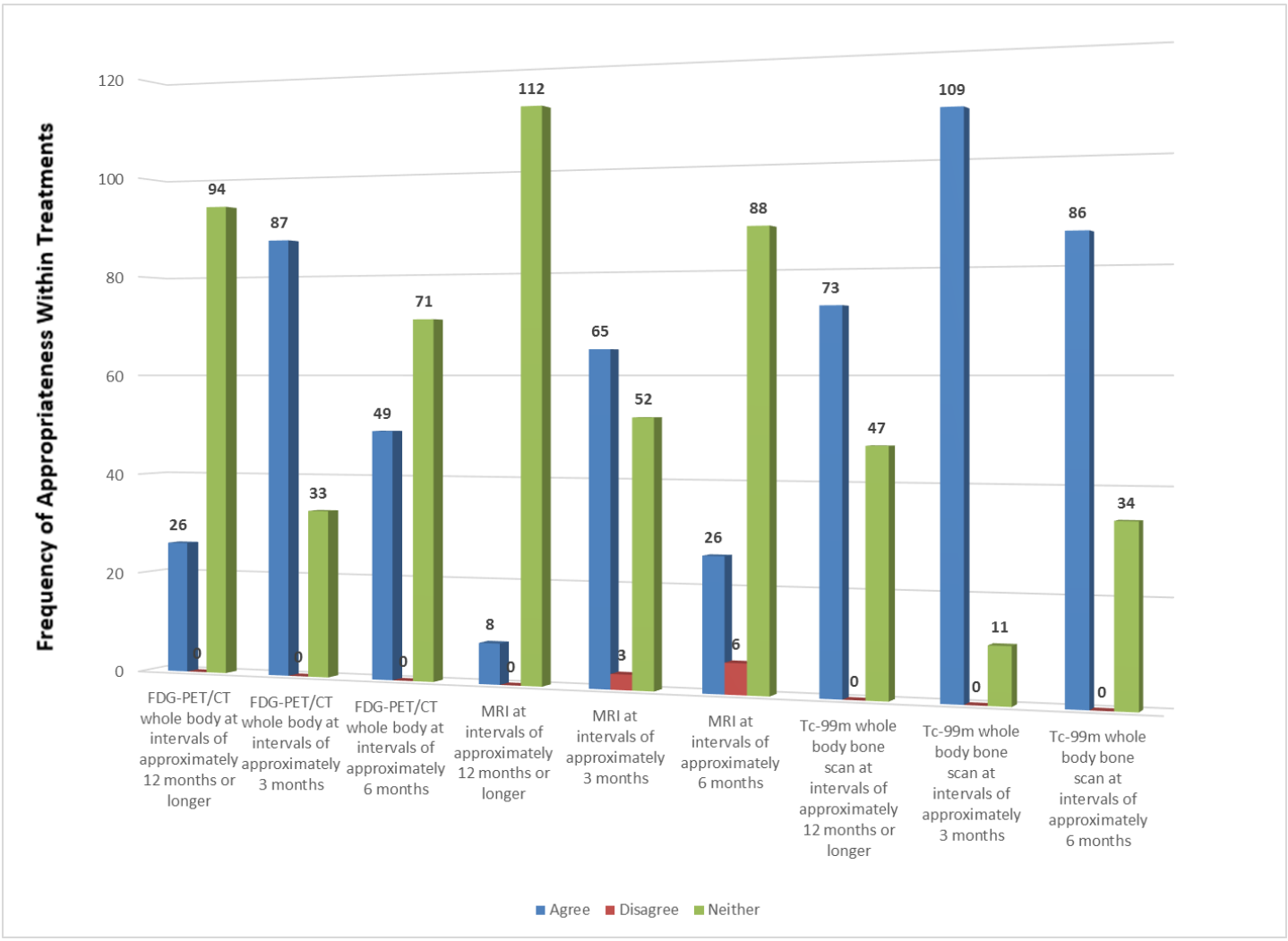


FIGURE 9. WITHIN TREATMENT APPROPRIATENESS RATINGS




Frequency of Appropriateness Within Treatments
120
100
80
60
40
20
0
26
0
94
87
0
33
49
0
71
8
0
112
65
3
52
26
6
88
73
0
47
109
0
11
86
0
34
FDG-PET/CT whole body at intervals of approximately 12 months or longer
FDG-PET/CT whole body at intervals of approximately 3 months
FDG-PET/CT whole body at intervals of approximately 6 months
MRI at intervals of approximately 12 months or longer
MRI at intervals of approximately 3 months
MRI at intervals of approximately 6 months
Tc-99m whole body bone scan at intervals of approximately 12 months or longer
Tc-99m whole body bone scan at intervals of approximately 3 months
Tc-99m whole body bone scan at intervals of approximately 6 months
Agree
Disagree
Neither

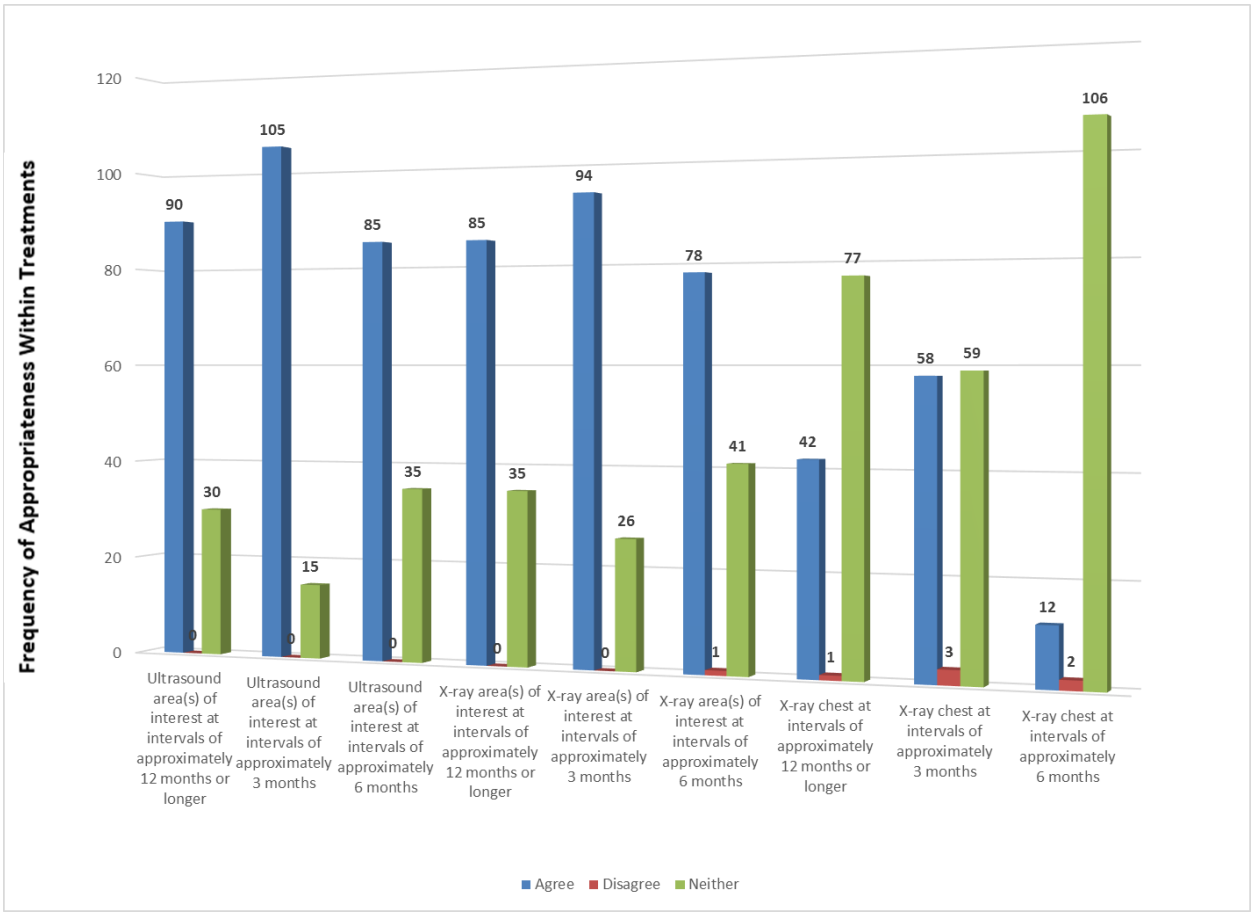
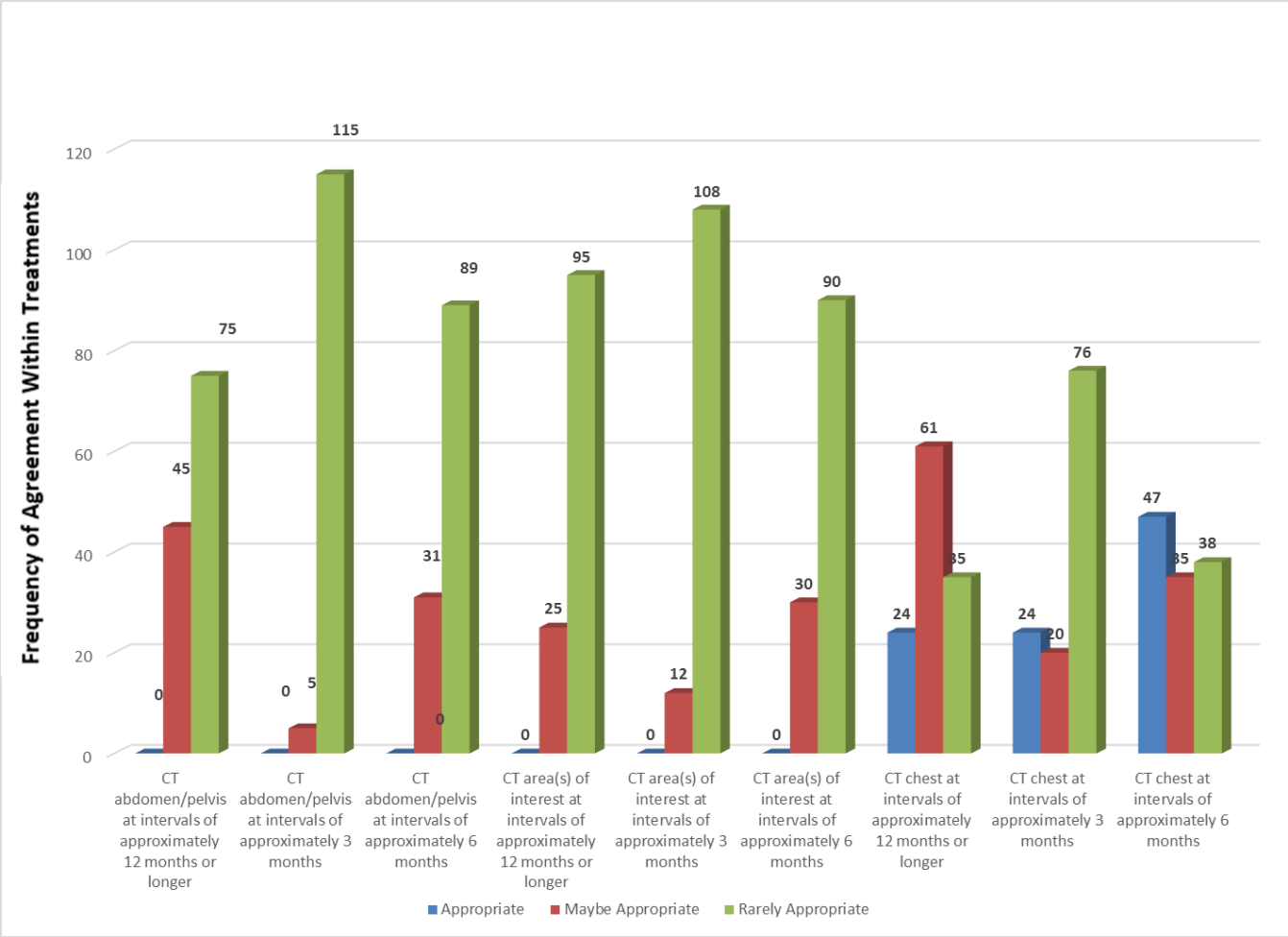
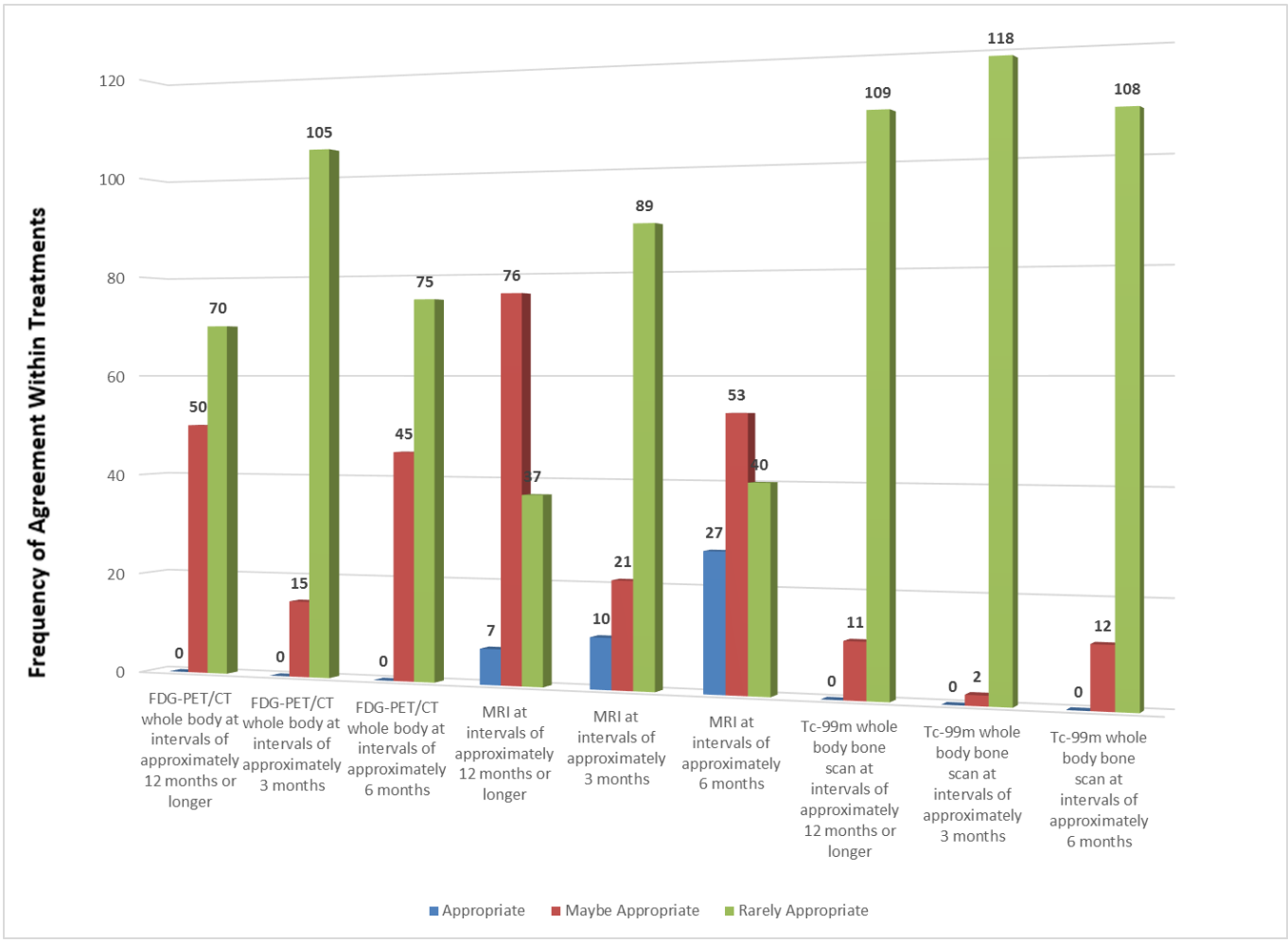

Frequency of Appropriateness Within Treatments
120
100
80
60
40
20
0
90
0
30
105
0
15
85
0
35
85
0
35
94
0
26
78
1
41
42
1
77
58
3
59
12
2
106
Ultrasound area(s) of interest at intervals of approximately 12 months or longer
Ultrasound area(s) of interest at intervals of approximately 3 months
Ultrasound area(s) of interest at intervals of approximately 6 months
X-ray area(s) of interest at intervals of approximately 12 months or longer
X-ray area(s) of interest at intervals of approximately 3 months
X-ray area(s) of interest at intervals of approximately 6 months
X-ray chest at intervals of approximately 12 months or longer
X-ray chest at intervals of approximately 3 months
X-ray chest at intervals of approximately 6 months
Agree
Disagree
Neither

FIGURE 10. WITHIN TREATMENT AGREEMENT RATINGS




Frequency of Agreement Within Treatments
120
100
80
60
40
20
0
0
50
70
0
15
105
0
45
75
7
76
57
10
21
89
27
53
40
0
11
109
0
2
118
0
12
108
FDG-PET/CT whole body at intervals of approximately 12 months or longer
FDG-PET/CT whole body at intervals of approximately 3 months
FDG-PET/CT whole body at intervals of approximately 6 months
MRI at intervals of approximately 12 months or longer
MRI at intervals of approximately 3 months
MRI at intervals of approximately 6 months
Tc-99m whole body bone scan at intervals of approximately 12 months or longer
Tc-99m whole body bone scan at intervals of approximately 3 months
Tc-99m whole body bone scan at intervals of approximately 6 months
Appropriate
Maybe Appropriate
Rarely Appropriate

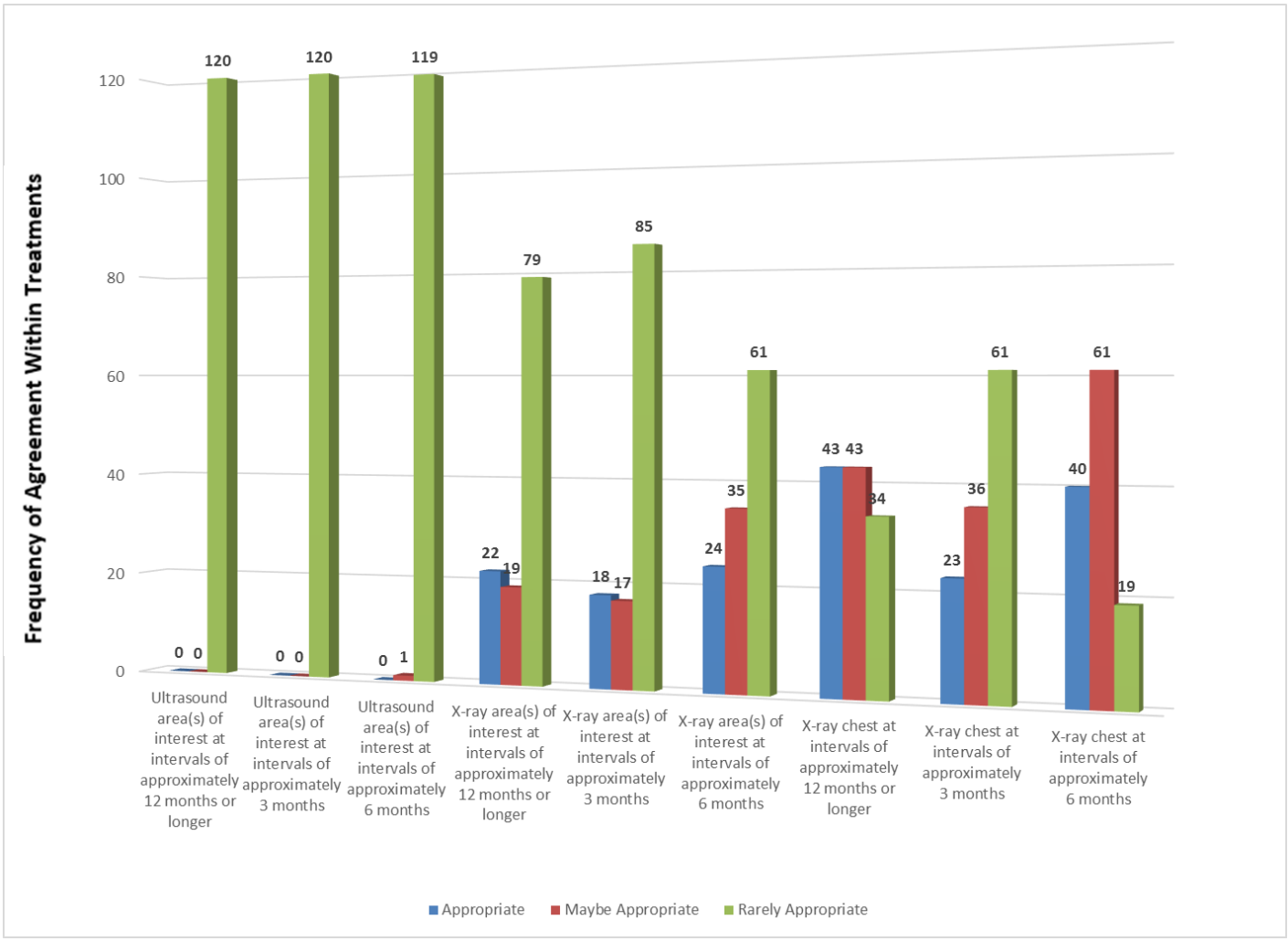
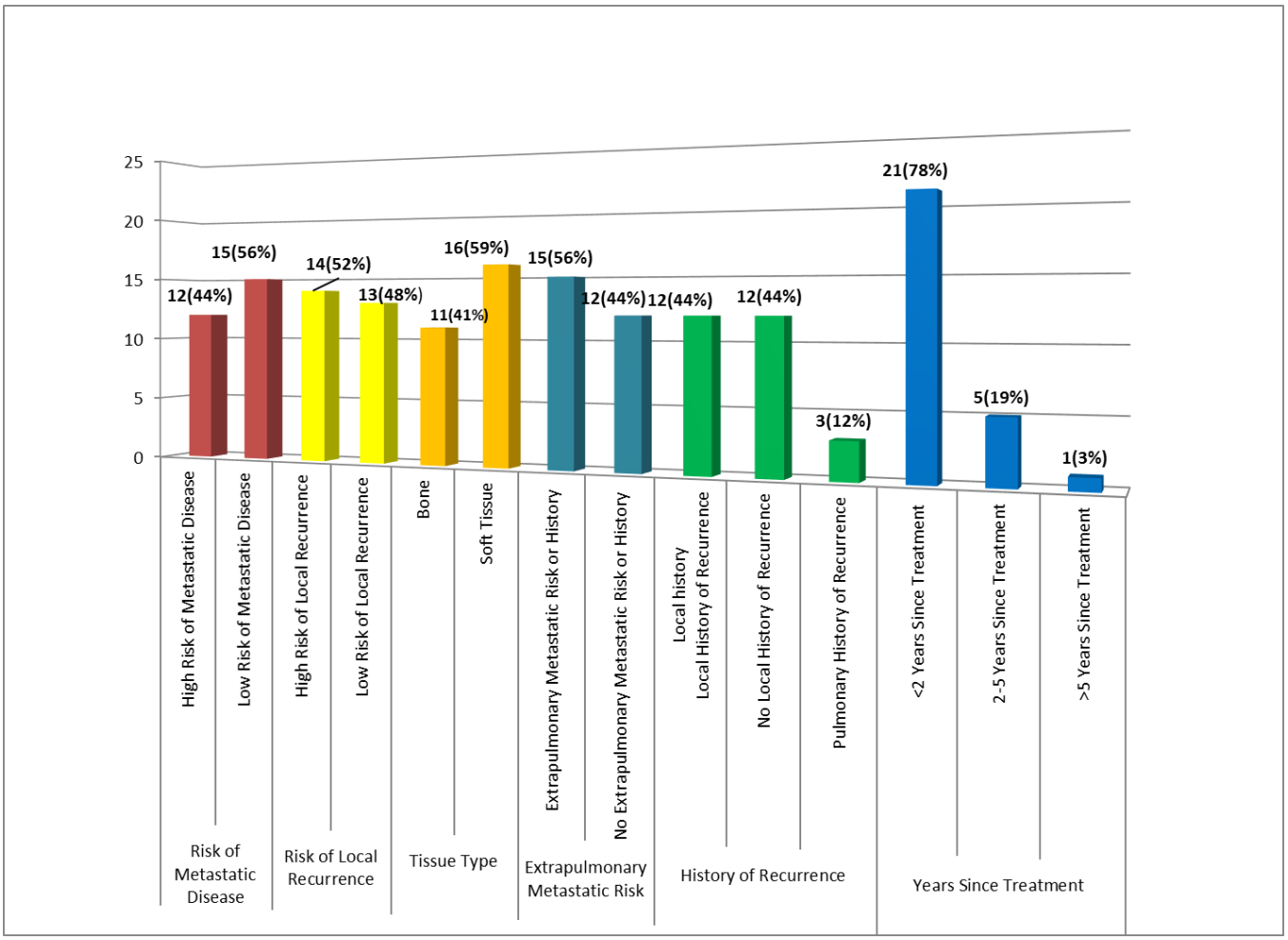

Frequency of Agreement Within Treatments
120
100
80
60
40
20
0
0 0
0 0
0 1
22 19
18 17
24 35
43 43
23 36
40 61
120
120
119
79
85
61
34
61
19
Ultrasound area(s) of interest at intervals of approximately 12 months or longer
Ultrasound area(s) of interest at intervals of approximately 3 months
Ultrasound area(s) of interest at intervals of approximately 6 months
X-ray area(s) of interest at intervals of approximately 12 months or longer
X-ray area(s) of interest at intervals of approximately 3 months
X-ray area(s) of interest at intervals of approximately 6 months
X-ray chest at intervals of approximately 12 months or longer
X-ray chest at intervals of approximately 3 months
X-ray chest at intervals of approximately 6 months
Appropriate
Maybe Appropriate
Rarely Appropriate

FIGURE 11. DISAGREEMENT RATINGS WITHIN PATIENT INDICATIONS (N=27)



APPROPRIATE USE CRITERIA FOR THE SURVEILLANCE OF LOCAL RECURRENCE AND DISTANT METASTASIS AFTER SURGICAL TREATMENT OF BONE AND SOFT TISSUE SARCOMAS

Interpreting the AUC tables:

- A plus symbol (+) indicates agreement between voting panel members and a minus symbol (-) indicates disagreement between voting panel members

Scenario 1	Treatment	Appropriateness	Median Rating	Agreement
Low Risk of Metastatic Disease, Low Risk of Local Recurrence, Bone, Extrapulmonary Metastatic Risk or History, No history of recurrence, < 2 years since treatment	X-ray chest at intervals of approximately 3 months	May Be Appropriate	5	
	X-ray chest at intervals of approximately 6 months	May Be Appropriate	5	
	X-ray chest at intervals of approximately 12 months or longer	May Be Appropriate	4	
	X-ray area(s) of interest at intervals of approximately 3 months	May Be Appropriate	6	
	X-ray area(s) of interest at intervals of approximately 6 months	Appropriate	7	
	X-ray area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	CT chest at intervals of approximately 3 months	Rarely Appropriate	3	
	CT chest at intervals of approximately 6 months	May Be Appropriate	5	
	CT chest at intervals of approximately 12 months or longer	May Be Appropriate	4	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	3	
	CT area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	MRI at intervals of approximately 3 months	Rarely Appropriate	2	
	MRI at intervals of approximately 6 months	May Be Appropriate	5	-
	MRI at intervals of approximately 12 months or longer	May Be Appropriate	5	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	1	+

	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	2	
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	2	
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	3	+
	FDG-PET/CT whole body at intervals of approximately 6 months	Rarely Appropriate	3	
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	3	+
	CT abdomen/pelvis at intervals of approximately 6 months	Rarely Appropriate	3	
	CT abdomen/pelvis at intervals of approximately 12 months or longer	Rarely Appropriate	3	

Scenario 2	**Treatment**	**Appropriateness**	**Median Rating**	**Agreement**
Low Risk of Metastatic Disease, Low Risk of Local Recurrence, Bone, Extrapulmonary Metastatic Risk or History, No history of recurrence, 2-5 years since treatment	X-ray chest at intervals of approximately 3 months	Rarely Appropriate	2	+
	X-ray chest at intervals of approximately 6 months	May Be Appropriate	5	
	X-ray chest at intervals of approximately 12 months or longer	May Be Appropriate	6	
	X-ray area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	
	X-ray area(s) of interest at intervals of approximately 6 months	Appropriate	7	
	X-ray area(s) of interest at intervals of approximately 12 months or longer	Appropriate	7	
	CT chest at intervals of approximately 3 months	Rarely Appropriate	2	+

	CT chest at intervals of approximately 6 months	Rarely Appropriate	3	
	CT chest at intervals of approximately 12 months or longer	May Be Appropriate	5	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	
	CT area(s) of interest at intervals of approximately 12 months or longer	May Be Appropriate	4	
	MRI at intervals of approximately 3 months	Rarely Appropriate	2	+
	MRI at intervals of approximately 6 months	Rarely Appropriate	3	
	MRI at intervals of approximately 12 months or longer	May Be Appropriate	5	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	2	+
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	2	
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 6 months	Rarely Appropriate	3	
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	May Be Appropriate	4	
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 6 months	Rarely Appropriate	2	
	CT abdomen/pelvis at intervals of approximately 12 months or longer	Rarely Appropriate	3	

Scenario 3	Treatment	Appropriateness	Median Rating	Agreement
Low Risk of Metastatic Disease, Low Risk of Local Recurrence, Bone, Extrapulmonary Metastatic Risk or History, No history of recurrence, >5 years since treatment	X-ray chest at intervals of approximately 3 months	Rarely Appropriate	2	+
	X-ray chest at intervals of approximately 6 months	Rarely Appropriate	3	+
	X-ray chest at intervals of approximately 12 months or longer	Appropriate	7	
	X-ray area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	X-ray area(s) of interest at intervals of approximately 6 months	May Be Appropriate	4	
	X-ray area(s) of interest at intervals of approximately 12 months or longer	Appropriate	7	
	CT chest at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT chest at intervals of approximately 6 months	Rarely Appropriate	3	
	CT chest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	3	+
	CT area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	MRI at intervals of approximately 3 months	Rarely Appropriate	1	+
	MRI at intervals of approximately 6 months	Rarely Appropriate	2	+
	MRI at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	1	+

	FDG-PET/CT whole body at intervals of approximately 6 months	Rarely Appropriate	2	+
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 6 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 12 months or longer	Rarely Appropriate	2	

Scenario 4	**Treatment**	**Appropriateness**	**Median Rating**	**Agreement**
Low Risk of Metastatic Disease, Low Risk of Local Recurrence, Bone, Extrapulmonary Metastatic Risk or History, Local history of recurrence, < 2 years since treatment	X-ray chest at intervals of approximately 3 months	May Be Appropriate	5	
	X-ray chest at intervals of approximately 6 months	May Be Appropriate	6	
	X-ray chest at intervals of approximately 12 months or longer	May Be Appropriate	4	
	X-ray area(s) of interest at intervals of approximately 3 months	Appropriate	8	
	X-ray area(s) of interest at intervals of approximately 6 months	Appropriate	7	
	X-ray area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	CT chest at intervals of approximately 3 months	May Be Appropriate	4	
	CT chest at intervals of approximately 6 months	May Be Appropriate	5	
	CT chest at intervals of approximately 12 months or longer	May Be Appropriate	4	
	CT area(s) of interest at intervals of approximately 3 months	May Be Appropriate	4	
	CT area(s) of interest at intervals of approximately 6 months	May Be Appropriate	5	

	CT area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	MRI at intervals of approximately 3 months	May Be Appropriate	4	
	MRI at intervals of approximately 6 months	May Be Appropriate	6	
	MRI at intervals of approximately 12 months or longer	May Be Appropriate	4	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	2	+
	Tc-99m whole body bone scan at intervals of approximately 6 months	May Be Appropriate	4	
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	May Be Appropriate	4	
	FDG-PET/CT whole body at intervals of approximately 3 months	May Be Appropriate	4	
	FDG-PET/CT whole body at intervals of approximately 6 months	May Be Appropriate	4	
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	May Be Appropriate	4	
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	3	
	CT abdomen/pelvis at intervals of approximately 6 months	Rarely Appropriate	3	
	CT abdomen/pelvis at intervals of approximately 12 months or longer	Rarely Appropriate	3	

Scenario 5	**Treatment**	**Appropriateness**	**Median Rating**	**Agreement**
Low Risk of Metastatic Disease, Low Risk of Local Recurrence, Bone, Extrapulmonary Metastatic Risk or	X-ray chest at intervals of approximately 3 months	Rarely Appropriate	3	
	X-ray chest at intervals of approximately 6 months	Appropriate	7	

History, Local history of recurrence, 2-5 years since treatment	X-ray chest at intervals of approximately 12 months or longer	May Be Appropriate	5	
	X-ray area(s) of interest at intervals of approximately 3 months	May Be Appropriate	4	
	X-ray area(s) of interest at intervals of approximately 6 months	Appropriate	7	+
	X-ray area(s) of interest at intervals of approximately 12 months or longer	May Be Appropriate	6	
	CT chest at intervals of approximately 3 months	Rarely Appropriate	3	+
	CT chest at intervals of approximately 6 months	May Be Appropriate	5	
	CT chest at intervals of approximately 12 months or longer	May Be Appropriate	5	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT area(s) of interest at intervals of approximately 6 months	May Be Appropriate	5	
	CT area(s) of interest at intervals of approximately 12 months or longer	May Be Appropriate	5	
	MRI at intervals of approximately 3 months	Rarely Appropriate	3	
	MRI at intervals of approximately 6 months	Appropriate	7	
	MRI at intervals of approximately 12 months or longer	May Be Appropriate	5	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	2	+
	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	2	
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	2	+
	FDG-PET/CT whole body at intervals of approximately 6 months	Rarely Appropriate	3	
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	May Be Appropriate	4	
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+

	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT abdomen/pelvis at intervals of approximately 6 months	Rarely Appropriate	3	
	CT abdomen/pelvis at intervals of approximately 12 months or longer	May Be Appropriate	4	

Scenario 6	Treatment	Appropriateness	Median Rating	Agreement
Low Risk of Metastatic Disease, Low Risk of Local Recurrence, Bone, Extrapulmonary Metastatic Risk or History, Local history of recurrence, >5 years since treatment	X-ray chest at intervals of approximately 3 months	Rarely Appropriate	2	+
	X-ray chest at intervals of approximately 6 months	Rarely Appropriate	3	
	X-ray chest at intervals of approximately 12 months or longer	Appropriate	7	
	X-ray area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	X-ray area(s) of interest at intervals of approximately 6 months	May Be Appropriate	5	
	X-ray area(s) of interest at intervals of approximately 12 months or longer	Appropriate	7	+
	CT chest at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT chest at intervals of approximately 6 months	Rarely Appropriate	3	
	CT chest at intervals of approximately 12 months or longer	May Be Appropriate	5	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	3	+
	CT area(s) of interest at intervals of approximately 12 months or longer	May Be Appropriate	4	
	MRI at intervals of approximately 3 months	Rarely Appropriate	2	+
	MRI at intervals of approximately 6 months	Rarely Appropriate	3	

	MRI at intervals of approximately 12 months or longer	May Be Appropriate	4	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	2	+
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	2	
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 6 months	Rarely Appropriate	2	+
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	May Be Appropriate	4	
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 6 months	Rarely Appropriate	2	+
	CT abdomen/pelvis at intervals of approximately 12 months or longer	Rarely Appropriate	3	

Scenario 7	**Treatment**	**Appropriateness**	**Median Rating**	**Agreement**
Low Risk of Metastatic Disease, Low Risk of Local Recurrence, Bone, Low Extrapulmonary Metastatic Risk and no history, No history of recurrence, < 2 years since treatment	X-ray chest at intervals of approximately 3 months	Rarely Appropriate	3	
	X-ray chest at intervals of approximately 6 months	Appropriate	7	
	X-ray chest at intervals of approximately 12 months or longer	May Be Appropriate	5	
	X-ray area(s) of interest at intervals of approximately 3 months	May Be Appropriate	6	
	X-ray area(s) of interest at intervals of approximately 6 months	Appropriate	7	

	X-ray area(s) of interest at intervals of approximately 12 months or longer	May Be Appropriate	4	
	CT chest at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT chest at intervals of approximately 6 months	May Be Appropriate	5	
	CT chest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	3	
	CT area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	MRI at intervals of approximately 3 months	Rarely Appropriate	2	
	MRI at intervals of approximately 6 months	May Be Appropriate	4	
	MRI at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 6 months	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	1	+

	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 6 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 12 months or longer	Rarely Appropriate	1	+

Scenario 8	Treatment	Appropriateness	Median Rating	Agreement
Low Risk of Metastatic Disease, Low Risk of Local Recurrence, Bone, Low Extrapulmonary Metastatic Risk and no history, No history of recurrence, 2-5 years since treatment	X-ray chest at intervals of approximately 3 months	Rarely Appropriate	3	+
	X-ray chest at intervals of approximately 6 months	May Be Appropriate	5	
	X-ray chest at intervals of approximately 12 months or longer	Appropriate	7	
	X-ray area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	3	
	X-ray area(s) of interest at intervals of approximately 6 months	May Be Appropriate	6	
	X-ray area(s) of interest at intervals of approximately 12 months or longer	Appropriate	7	
	CT chest at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT chest at intervals of approximately 6 months	Rarely Appropriate	3	
	CT chest at intervals of approximately 12 months or longer	May Be Appropriate	5	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	
	CT area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	MRI at intervals of approximately 3 months	Rarely Appropriate	2	+
	MRI at intervals of approximately 6 months	May Be Appropriate	4	
	MRI at intervals of approximately 12 months or longer	May Be Appropriate	4	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	1	+

	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 6 months	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 6 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 12 months or longer	Rarely Appropriate	1	+

Scenario 9	**Treatment**	**Appropriateness**	**Median Rating**	**Agreement**
Low Risk of Metastatic Disease, Low Risk of Local Recurrence, Bone, Low Extrapulmonary Metastatic Risk and no history, No history of recurrence, >5 years since treatment	X-ray chest at intervals of approximately 3 months	Rarely Appropriate	2	+
	X-ray chest at intervals of approximately 6 months	Rarely Appropriate	3	+
	X-ray chest at intervals of approximately 12 months or longer	Appropriate	7	
	X-ray area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	X-ray area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	3	
	X-ray area(s) of interest at intervals of approximately 12 months or longer	Appropriate	7	
	CT chest at intervals of approximately 3 months	Rarely Appropriate	1	+

	CT chest at intervals of approximately 6 months	Rarely Appropriate	2	+
	CT chest at intervals of approximately 12 months or longer	May Be Appropriate	4	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+
	CT area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	
	MRI at intervals of approximately 3 months	Rarely Appropriate	1	+
	MRI at intervals of approximately 6 months	Rarely Appropriate	2	+
	MRI at intervals of approximately 12 months or longer	Rarely Appropriate	2	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 6 months	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 6 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 12 months or longer	Rarely Appropriate	1	+

Scenario 10	Treatment	Appropriateness	Median Rating	Agreement
Low Risk of Metastatic Disease, Low Risk of Local Recurrence, Bone, Low Extrapulmonary Metastatic Risk and no history, Local history of recurrence, < 2 years since treatment	X-ray chest at intervals of approximately 3 months	May Be Appropriate	5	
	X-ray chest at intervals of approximately 6 months	May Be Appropriate	5	
	X-ray chest at intervals of approximately 12 months or longer	May Be Appropriate	4	
	X-ray area(s) of interest at intervals of approximately 3 months	Appropriate	7	
	X-ray area(s) of interest at intervals of approximately 6 months	May Be Appropriate	6	
	X-ray area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	CT chest at intervals of approximately 3 months	Rarely Appropriate	3	
	CT chest at intervals of approximately 6 months	May Be Appropriate	5	
	CT chest at intervals of approximately 12 months or longer	May Be Appropriate	4	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	3	
	CT area(s) of interest at intervals of approximately 6 months	May Be Appropriate	4	
	CT area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	MRI at intervals of approximately 3 months	Rarely Appropriate	3	
	MRI at intervals of approximately 6 months	May Be Appropriate	6	
	MRI at intervals of approximately 12 months or longer	May Be Appropriate	4	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	2	+
	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	2	
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	2	
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	2	+

	FDG-PET/CT whole body at intervals of approximately 6 months	Rarely Appropriate	2	+
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 6 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 12 months or longer	Rarely Appropriate	1	+

Scenario 11	**Treatment**	**Appropriateness**	**Median Rating**	**Agreement**
Low Risk of Metastatic Disease, Low Risk of Local Recurrence, Bone, Low Extrapulmonary Metastatic Risk and no history, Local history of recurrence, 2-5 years since treatment	X-ray chest at intervals of approximately 3 months	Rarely Appropriate	2	+
	X-ray chest at intervals of approximately 6 months	May Be Appropriate	5	
	X-ray chest at intervals of approximately 12 months or longer	Appropriate	7	
	X-ray area(s) of interest at intervals of approximately 3 months	May Be Appropriate	4	
	X-ray area(s) of interest at intervals of approximately 6 months	Appropriate	7	+
	X-ray area(s) of interest at intervals of approximately 12 months or longer	May Be Appropriate	5	
	CT chest at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT chest at intervals of approximately 6 months	May Be Appropriate	5	
	CT chest at intervals of approximately 12 months or longer	May Be Appropriate	5	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	3	

	CT area(s) of interest at intervals of approximately 12 months or longer	May Be Appropriate	4	
	MRI at intervals of approximately 3 months	Rarely Appropriate	2	+
	MRI at intervals of approximately 6 months	May Be Appropriate	4	
	MRI at intervals of approximately 12 months or longer	May Be Appropriate	5	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	2	
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	2	
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 6 months	Rarely Appropriate	2	
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 6 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 12 months or longer	Rarely Appropriate	1	+

Scenario 12	**Treatment**	**Appropriateness**	**Median Rating**	**Agreement**
Low Risk of Metastatic Disease, Low Risk of Local Recurrence, Bone, Low Extrapulmonary Metastatic Risk and no	X-ray chest at intervals of approximately 3 months	Rarely Appropriate	2	+
	X-ray chest at intervals of approximately 6 months	Rarely Appropriate	3	

history, Local history of recurrence, >5 years since treatment	X-ray chest at intervals of approximately 12 months or longer	May Be Appropriate	6	
	X-ray area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	X-ray area(s) of interest at intervals of approximately 6 months	May Be Appropriate	5	
	X-ray area(s) of interest at intervals of approximately 12 months or longer	Appropriate	7	+
	CT chest at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT chest at intervals of approximately 6 months	Rarely Appropriate	3	
	CT chest at intervals of approximately 12 months or longer	May Be Appropriate	5	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	3	+
	CT area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	MRI at intervals of approximately 3 months	Rarely Appropriate	1	+
	MRI at intervals of approximately 6 months	Rarely Appropriate	3	+
	MRI at intervals of approximately 12 months or longer	May Be Appropriate	4	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 6 months	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	Rarely Appropriate	2	
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+

	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 6 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 12 months or longer	Rarely Appropriate	1	+

Scenario 13	**Treatment**	**Appropriateness**	**Median Rating**	**Agreement**
Low Risk of Metastatic Disease, Low Risk of Local Recurrence, Soft tissue, Extrapulmonary Metastatic Risk or History, No history of recurrence, < 2 years since treatment	X-ray chest at intervals of approximately 3 months	May Be Appropriate	5	
	X-ray chest at intervals of approximately 6 months	May Be Appropriate	6	
	X-ray chest at intervals of approximately 12 months or longer	May Be Appropriate	5	
	X-ray area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	X-ray area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+
	X-ray area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	CT chest at intervals of approximately 3 months	May Be Appropriate	4	
	CT chest at intervals of approximately 6 months	Appropriate	7	
	CT chest at intervals of approximately 12 months or longer	May Be Appropriate	5	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	
	CT area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	MRI at intervals of approximately 3 months	May Be Appropriate	4	
	MRI at intervals of approximately 6 months	May Be Appropriate	5	

	MRI at intervals of approximately 12 months or longer	May Be Appropriate	4	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	2	+
	FDG-PET/CT whole body at intervals of approximately 6 months	May Be Appropriate	4	
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	May Be Appropriate	4	
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT abdomen/pelvis at intervals of approximately 6 months	May Be Appropriate	4	
	CT abdomen/pelvis at intervals of approximately 12 months or longer	May Be Appropriate	4	

Scenario 14	**Treatment**	**Appropriateness**	**Median Rating**	**Agreement**
Low Risk of Metastatic Disease, Low Risk of Local Recurrence, Soft tissue, Extrapulmonary Metastatic Risk or History, No history of recurrence, 2-5 years since treatment	X-ray chest at intervals of approximately 3 months	Rarely Appropriate	3	+
	X-ray chest at intervals of approximately 6 months	Appropriate	7	
	X-ray chest at intervals of approximately 12 months or longer	May Be Appropriate	6	
	X-ray area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	X-ray area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	3	+

	X-ray area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	CT chest at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT chest at intervals of approximately 6 months	May Be Appropriate	4	
	CT chest at intervals of approximately 12 months or longer	May Be Appropriate	4	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+
	CT area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	MRI at intervals of approximately 3 months	Rarely Appropriate	2	+
	MRI at intervals of approximately 6 months	May Be Appropriate	5	
	MRI at intervals of approximately 12 months or longer	May Be Appropriate	5	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 6 months	May Be Appropriate	5	
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	May Be Appropriate	6	
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	1	+

	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT abdomen/pelvis at intervals of approximately 6 months	May Be Appropriate	5	
	CT abdomen/pelvis at intervals of approximately 12 months or longer	May Be Appropriate	6	

Scenario 15	Treatment	Appropriateness	Median Rating	Agreement
Low Risk of Metastatic Disease, Low Risk of Local Recurrence, Soft tissue, Extrapulmonary Metastatic Risk or History, No history of recurrence, >5 years since treatment	X-ray chest at intervals of approximately 3 months	Rarely Appropriate	3	+
	X-ray chest at intervals of approximately 6 months	May Be Appropriate	4	
	X-ray chest at intervals of approximately 12 months or longer	Appropriate	7	
	X-ray area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	X-ray area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+
	X-ray area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	CT chest at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT chest at intervals of approximately 6 months	Rarely Appropriate	3	+
	CT chest at intervals of approximately 12 months or longer	May Be Appropriate	5	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+
	CT area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	
	MRI at intervals of approximately 3 months	Rarely Appropriate	1	+
	MRI at intervals of approximately 6 months	Rarely Appropriate	2	+
	MRI at intervals of approximately 12 months or longer	May Be Appropriate	5	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	1	+

	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 6 months	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	May Be Appropriate	4	
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 6 months	Rarely Appropriate	2	+
	CT abdomen/pelvis at intervals of approximately 12 months or longer	May Be Appropriate	4	

Scenario 16	**Treatment**	**Appropriateness**	**Median Rating**	**Agreement**
Low Risk of Metastatic Disease, Low Risk of Local Recurrence, Soft tissue, Extrapulmonary Metastatic Risk or History, Local history of recurrence, < 2 years since treatment	X-ray chest at intervals of approximately 3 months	Appropriate	7	
	X-ray chest at intervals of approximately 6 months	May Be Appropriate	5	
	X-ray chest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	X-ray area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	X-ray area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	1	+
	X-ray area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	CT chest at intervals of approximately 3 months	Rarely Appropriate	3	

	CT chest at intervals of approximately 6 months	May Be Appropriate	6	
	CT chest at intervals of approximately 12 months or longer	May Be Appropriate	5	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	1	+
	CT area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	MRI at intervals of approximately 3 months	May Be Appropriate	5	
	MRI at intervals of approximately 6 months	Appropriate	7	
	MRI at intervals of approximately 12 months or longer	May Be Appropriate	5	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	3	
	FDG-PET/CT whole body at intervals of approximately 6 months	May Be Appropriate	4	
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	May Be Appropriate	4	
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT abdomen/pelvis at intervals of approximately 6 months	May Be Appropriate	5	-
	CT abdomen/pelvis at intervals of approximately 12 months or longer	May Be Appropriate	4	

Scenario 17	Treatment	Appropriateness	Median Rating	Agreement
Low Risk of Metastatic Disease, Low Risk of Local Recurrence, Soft tissue, Extrapulmonary Metastatic Risk or History, Local history of recurrence, 2-5 years since treatment	X-ray chest at intervals of approximately 3 months	Rarely Appropriate	3	+
	X-ray chest at intervals of approximately 6 months	May Be Appropriate	6	
	X-ray chest at intervals of approximately 12 months or longer	May Be Appropriate	5	
	X-ray area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	X-ray area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+
	X-ray area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	CT chest at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT chest at intervals of approximately 6 months	Appropriate	5	-
	CT chest at intervals of approximately 12 months or longer	May Be Appropriate	5	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+
	CT area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	MRI at intervals of approximately 3 months	Rarely Appropriate	2	+
	MRI at intervals of approximately 6 months	Appropriate	5	-
	MRI at intervals of approximately 12 months or longer	May Be Appropriate	4	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	1	+

	FDG-PET/CT whole body at intervals of approximately 6 months	Rarely Appropriate	3	
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	May Be Appropriate	4	
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT abdomen/pelvis at intervals of approximately 6 months	Rarely Appropriate	3	
	CT abdomen/pelvis at intervals of approximately 12 months or longer	May Be Appropriate	5	

Scenario 18	**Treatment**	**Appropriateness**	**Median Rating**	**Agreement**
Low Risk of Metastatic Disease, Low Risk of Local Recurrence, Soft tissue, Extrapulmonary Metastatic Risk or History, Local history of recurrence, >5 years since treatment	X-ray chest at intervals of approximately 3 months	Rarely Appropriate	2	+
	X-ray chest at intervals of approximately 6 months	Rarely Appropriate	3	
	X-ray chest at intervals of approximately 12 months or longer	Appropriate	7	
	X-ray area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	X-ray area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+
	X-ray area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	CT chest at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT chest at intervals of approximately 6 months	Rarely Appropriate	3	
	CT chest at intervals of approximately 12 months or longer	Appropriate	7	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	1	+

	CT area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	MRI at intervals of approximately 3 months	Rarely Appropriate	2	+
	MRI at intervals of approximately 6 months	Rarely Appropriate	3	
	MRI at intervals of approximately 12 months or longer	May Be Appropriate	6	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 6 months	Rarely Appropriate	2	+
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	May Be Appropriate	4	
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 6 months	Rarely Appropriate	2	+
	CT abdomen/pelvis at intervals of approximately 12 months or longer	May Be Appropriate	4	

Scenario 19	**Treatment**	**Appropriateness**	**Median Rating**	**Agreement**
Low Risk of Metastatic Disease, Low Risk of Local Recurrence, Soft tissue, Low Extrapulmonary	X-ray chest at intervals of approximately 3 months	Rarely Appropriate	3	
	X-ray chest at intervals of approximately 6 months	Appropriate	7	

Metastatic Risk and no history, No history of recurrence, < 2 years since treatment	X-ray chest at intervals of approximately 12 months or longer	May Be Appropriate	5	
	X-ray area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	X-ray area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	1	+
	X-ray area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	CT chest at intervals of approximately 3 months	Rarely Appropriate	2	
	CT chest at intervals of approximately 6 months	May Be Appropriate	5	
	CT chest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+
	CT area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	MRI at intervals of approximately 3 months	Rarely Appropriate	2	
	MRI at intervals of approximately 6 months	May Be Appropriate	5	
	MRI at intervals of approximately 12 months or longer	May Be Appropriate	4	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 6 months	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+

	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 6 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 12 months or longer	Rarely Appropriate	1	+

Scenario 20	Treatment	Appropriateness	Median Rating	Agreement
Low Risk of Metastatic Disease, Low Risk of Local Recurrence, Soft tissue, Low Extrapulmonary Metastatic Risk and no history, No history of recurrence, 2-5 years since treatment	X-ray chest at intervals of approximately 3 months	Rarely Appropriate	2	+
	X-ray chest at intervals of approximately 6 months	May Be Appropriate	5	-
	X-ray chest at intervals of approximately 12 months or longer	May Be Appropriate	6	
	X-ray area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	X-ray area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	1	+
	X-ray area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	CT chest at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT chest at intervals of approximately 6 months	May Be Appropriate	4	
	CT chest at intervals of approximately 12 months or longer	May Be Appropriate	5	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	1	+
	CT area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	MRI at intervals of approximately 3 months	Rarely Appropriate	2	+
	MRI at intervals of approximately 6 months	May Be Appropriate	4	

	MRI at intervals of approximately 12 months or longer	May Be Appropriate	5	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 6 months	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	Rarely Appropriate	1	
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 6 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 12 months or longer	Rarely Appropriate	1	+

Scenario 21	**Treatment**	**Appropriateness**	**Median Rating**	**Agreement**
Low Risk of Metastatic Disease, Low Risk of Local Recurrence, Soft tissue, Low Extrapulmonary Metastatic Risk and no history, No history of recurrence, >5 years since treatment	X-ray chest at intervals of approximately 3 months	Rarely Appropriate	1	+
	X-ray chest at intervals of approximately 6 months	Rarely Appropriate	3	+
	X-ray chest at intervals of approximately 12 months or longer	Appropriate	7	
	X-ray area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	X-ray area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+

	X-ray area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	CT chest at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT chest at intervals of approximately 6 months	Rarely Appropriate	2	+
	CT chest at intervals of approximately 12 months or longer	May Be Appropriate	4	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	1	+
	CT area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	MRI at intervals of approximately 3 months	Rarely Appropriate	1	+
	MRI at intervals of approximately 6 months	Rarely Appropriate	2	+
	MRI at intervals of approximately 12 months or longer	May Be Appropriate	4	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 6 months	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	

	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 6 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 12 months or longer	Rarely Appropriate	1	+

Scenario 22	Treatment	Appropriateness	Median Rating	Agreement
Low Risk of Metastatic Disease, Low Risk of Local Recurrence, Soft tissue, Low Extrapulmonary Metastatic Risk and no history, Local history of recurrence, < 2 years since treatment	X-ray chest at intervals of approximately 3 months	May Be Appropriate	4	
	X-ray chest at intervals of approximately 6 months	May Be Appropriate	6	
	X-ray chest at intervals of approximately 12 months or longer	May Be Appropriate	4	
	X-ray area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	X-ray area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+
	X-ray area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	CT chest at intervals of approximately 3 months	May Be Appropriate	5	-
	CT chest at intervals of approximately 6 months	May Be Appropriate	6	
	CT chest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+
	CT area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	MRI at intervals of approximately 3 months	May Be Appropriate	5	
	MRI at intervals of approximately 6 months	Appropriate	7	
	MRI at intervals of approximately 12 months or longer	May Be Appropriate	5	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	1	+

	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	2	
	FDG-PET/CT whole body at intervals of approximately 6 months	Rarely Appropriate	3	
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	Rarely Appropriate	1	
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 6 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 12 months or longer	Rarely Appropriate	1	+

Scenario 23	**Treatment**	**Appropriateness**	**Median Rating**	**Agreement**
Low Risk of Metastatic Disease, Low Risk of Local Recurrence, Soft tissue, Low Extrapulmonary Metastatic Risk and no history, Local history of recurrence, 2-5 years since treatment	X-ray chest at intervals of approximately 3 months	Rarely Appropriate	3	+
	X-ray chest at intervals of approximately 6 months	Appropriate	7	
	X-ray chest at intervals of approximately 12 months or longer	Appropriate	7	
	X-ray area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	X-ray area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+
	X-ray area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	
	CT chest at intervals of approximately 3 months	Rarely Appropriate	2	+

	CT chest at intervals of approximately 6 months	May Be Appropriate	5	
	CT chest at intervals of approximately 12 months or longer	May Be Appropriate	4	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+
	CT area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	
	MRI at intervals of approximately 3 months	Rarely Appropriate	2	
	MRI at intervals of approximately 6 months	May Be Appropriate	6	
	MRI at intervals of approximately 12 months or longer	May Be Appropriate	4	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 6 months	Rarely Appropriate	3	
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 6 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 12 months or longer	Rarely Appropriate	1	+

Scenario 24	Treatment	Appropriateness	Median Rating	Agreement
Low Risk of Metastatic Disease, Low Risk of Local Recurrence, Soft tissue, Low Extrapulmonary Metastatic Risk and no history, Local history of recurrence, >5 years since treatment	X-ray chest at intervals of approximately 3 months	Rarely Appropriate	1	+
	X-ray chest at intervals of approximately 6 months	Rarely Appropriate	3	+
	X-ray chest at intervals of approximately 12 months or longer	Appropriate	7	
	X-ray area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	X-ray area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	1	+
	X-ray area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	CT chest at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT chest at intervals of approximately 6 months	Rarely Appropriate	2	+
	CT chest at intervals of approximately 12 months or longer	May Be Appropriate	6	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	1	+
	CT area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	
	MRI at intervals of approximately 3 months	Rarely Appropriate	1	+
	MRI at intervals of approximately 6 months	Rarely Appropriate	3	+
	MRI at intervals of approximately 12 months or longer	May Be Appropriate	6	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	1	+

	FDG-PET/CT whole body at intervals of approximately 6 months	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	Rarely Appropriate	2	
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 6 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 12 months or longer	Rarely Appropriate	1	+

Scenario 25	**Treatment**	**Appropriateness**	**Median Rating**	**Agreement**
Low Risk of Metastatic Disease, High Risk of Local Recurrence, Bone, Extrapulmonary Metastatic Risk or History, No history of recurrence, < 2 years since treatment	X-ray chest at intervals of approximately 3 months	May Be Appropriate	5	
	X-ray chest at intervals of approximately 6 months	Appropriate	7	
	X-ray chest at intervals of approximately 12 months or longer	May Be Appropriate	5	
	X-ray area(s) of interest at intervals of approximately 3 months	Appropriate	8	
	X-ray area(s) of interest at intervals of approximately 6 months	May Be Appropriate	6	
	X-ray area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	CT chest at intervals of approximately 3 months	May Be Appropriate	4	
	CT chest at intervals of approximately 6 months	Appropriate	7	
	CT chest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	CT area(s) of interest at intervals of approximately 3 months	May Be Appropriate	4	
	CT area(s) of interest at intervals of approximately 6 months	May Be Appropriate	4	

	CT area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	MRI at intervals of approximately 3 months	May Be Appropriate	6	
	MRI at intervals of approximately 6 months	May Be Appropriate	6	
	MRI at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	2	+
	Tc-99m whole body bone scan at intervals of approximately 6 months	May Be Appropriate	4	
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	2	
	FDG-PET/CT whole body at intervals of approximately 6 months	May Be Appropriate	4	
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	2	
	CT abdomen/pelvis at intervals of approximately 6 months	May Be Appropriate	5	-
	CT abdomen/pelvis at intervals of approximately 12 months or longer	May Be Appropriate	4	

Scenario 26	**Treatment**	**Appropriateness**	**Median Rating**	**Agreement**
Low Risk of Metastatic Disease, High Risk of Local Recurrence, Bone, Extrapulmonary Metastatic Risk or	X-ray chest at intervals of approximately 3 months	Rarely Appropriate	3	
	X-ray chest at intervals of approximately 6 months	Appropriate	7	

History, No history of recurrence, 2-5 years since treatment	X-ray chest at intervals of approximately 12 months or longer	May Be Appropriate	5	
	X-ray area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	3	
	X-ray area(s) of interest at intervals of approximately 6 months	Appropriate	7	+
	X-ray area(s) of interest at intervals of approximately 12 months or longer	May Be Appropriate	5	
	CT chest at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT chest at intervals of approximately 6 months	May Be Appropriate	5	
	CT chest at intervals of approximately 12 months or longer	May Be Appropriate	5	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT area(s) of interest at intervals of approximately 6 months	May Be Appropriate	5	
	CT area(s) of interest at intervals of approximately 12 months or longer	May Be Appropriate	4	
	MRI at intervals of approximately 3 months	Rarely Appropriate	3	
	MRI at intervals of approximately 6 months	May Be Appropriate	6	
	MRI at intervals of approximately 12 months or longer	May Be Appropriate	4	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	2	+
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	2	+
	FDG-PET/CT whole body at intervals of approximately 6 months	May Be Appropriate	4	
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+

	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT abdomen/pelvis at intervals of approximately 6 months	May Be Appropriate	4	
	CT abdomen/pelvis at intervals of approximately 12 months or longer	May Be Appropriate	6	

Scenario 27	**Treatment**	**Appropriateness**	**Median Rating**	**Agreement**
Low Risk of Metastatic Disease, High Risk of Local Recurrence, Bone, Extrapulmonary Metastatic Risk or History, No history of recurrence, >5 years since treatment	X-ray chest at intervals of approximately 3 months	Rarely Appropriate	2	+
	X-ray chest at intervals of approximately 6 months	Rarely Appropriate	3	+
	X-ray chest at intervals of approximately 12 months or longer	Appropriate	7	+
	X-ray area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	X-ray area(s) of interest at intervals of approximately 6 months	May Be Appropriate	4	
	X-ray area(s) of interest at intervals of approximately 12 months or longer	Appropriate	7	+
	CT chest at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT chest at intervals of approximately 6 months	Rarely Appropriate	2	+
	CT chest at intervals of approximately 12 months or longer	May Be Appropriate	6	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	3	
	CT area(s) of interest at intervals of approximately 12 months or longer	May Be Appropriate	4	
	MRI at intervals of approximately 3 months	Rarely Appropriate	1	+
	MRI at intervals of approximately 6 months	Rarely Appropriate	3	

	MRI at intervals of approximately 12 months or longer	May Be Appropriate	6	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	2	
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 6 months	Rarely Appropriate	2	+
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 6 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 12 months or longer	Rarely Appropriate	2	

Scenario 28	**Treatment**	**Appropriateness**	**Median Rating**	**Agreement**
Low Risk of Metastatic Disease, High Risk of Local Recurrence, Bone, Extrapulmonary Metastatic Risk or History, Local history of recurrence, < 2 years since treatment	X-ray chest at intervals of approximately 3 months	May Be Appropriate	4	
	X-ray chest at intervals of approximately 6 months	May Be Appropriate	6	
	X-ray chest at intervals of approximately 12 months or longer	May Be Appropriate	5	-
	X-ray area(s) of interest at intervals of approximately 3 months	Appropriate	9	+
	X-ray area(s) of interest at intervals of approximately 6 months	May Be Appropriate	6	

	X-ray area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	CT chest at intervals of approximately 3 months	Rarely Appropriate	3	
	CT chest at intervals of approximately 6 months	May Be Appropriate	5	
	CT chest at intervals of approximately 12 months or longer	May Be Appropriate	5	
	CT area(s) of interest at intervals of approximately 3 months	May Be Appropriate	4	
	CT area(s) of interest at intervals of approximately 6 months	May Be Appropriate	5	
	CT area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	MRI at intervals of approximately 3 months	Appropriate	7	
	MRI at intervals of approximately 6 months	May Be Appropriate	6	
	MRI at intervals of approximately 12 months or longer	May Be Appropriate	4	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	2	+
	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	2	
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	2	
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	3	
	FDG-PET/CT whole body at intervals of approximately 6 months	May Be Appropriate	4	
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	1	+

	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT abdomen/pelvis at intervals of approximately 6 months	May Be Appropriate	5	
	CT abdomen/pelvis at intervals of approximately 12 months or longer	Rarely Appropriate	3	

Scenario 29	Treatment	Appropriateness	Median Rating	Agreement
Low Risk of Metastatic Disease, High Risk of Local Recurrence, Bone, Extrapulmonary Metastatic Risk or History, Local history of recurrence, 2-5 years since treatment	X-ray chest at intervals of approximately 3 months	Rarely Appropriate	3	
	X-ray chest at intervals of approximately 6 months	May Be Appropriate	5	
	X-ray chest at intervals of approximately 12 months or longer	Appropriate	7	
	X-ray area(s) of interest at intervals of approximately 3 months	May Be Appropriate	4	
	X-ray area(s) of interest at intervals of approximately 6 months	Appropriate	8	+
	X-ray area(s) of interest at intervals of approximately 12 months or longer	May Be Appropriate	5	
	CT chest at intervals of approximately 3 months	Rarely Appropriate	3	
	CT chest at intervals of approximately 6 months	Appropriate	7	
	CT chest at intervals of approximately 12 months or longer	May Be Appropriate	5	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	3	
	CT area(s) of interest at intervals of approximately 6 months	May Be Appropriate	5	
	CT area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	MRI at intervals of approximately 3 months	Rarely Appropriate	3	+
	MRI at intervals of approximately 6 months	Appropriate	7	
	MRI at intervals of approximately 12 months or longer	May Be Appropriate	5	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	1	+

	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	3	
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	May Be Appropriate	4	
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 6 months	Rarely Appropriate	3	
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 6 months	Rarely Appropriate	2	
	CT abdomen/pelvis at intervals of approximately 12 months or longer	May Be Appropriate	4	

Scenario 30	**Treatment**	**Appropriateness**	**Median Rating**	**Agreement**
Low Risk of Metastatic Disease, High Risk of Local Recurrence, Bone, Extrapulmonary Metastatic Risk or History, Local history of recurrence, >5 years since treatment	X-ray chest at intervals of approximately 3 months	Rarely Appropriate	2	+
	X-ray chest at intervals of approximately 6 months	Rarely Appropriate	3	
	X-ray chest at intervals of approximately 12 months or longer	Appropriate	7	
	X-ray area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	3	+
	X-ray area(s) of interest at intervals of approximately 6 months	May Be Appropriate	5	
	X-ray area(s) of interest at intervals of approximately 12 months or longer	Appropriate	8	+
	CT chest at intervals of approximately 3 months	Rarely Appropriate	1	+

	CT chest at intervals of approximately 6 months	Rarely Appropriate	3	
	CT chest at intervals of approximately 12 months or longer	May Be Appropriate	6	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	3	
	CT area(s) of interest at intervals of approximately 12 months or longer	May Be Appropriate	5	
	MRI at intervals of approximately 3 months	Rarely Appropriate	1	+
	MRI at intervals of approximately 6 months	Rarely Appropriate	2	
	MRI at intervals of approximately 12 months or longer	May Be Appropriate	6	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	2	
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 6 months	Rarely Appropriate	2	+
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	May Be Appropriate	4	
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 6 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 12 months or longer	Rarely Appropriate	1	

Scenario 31	Treatment	Appropriateness	Median Rating	Agreement
Low Risk of Metastatic Disease, High Risk of Local Recurrence, Bone, Low Extrapulmonary Metastatic Risk and no history, No history of recurrence, < 2 years since treatment	X-ray chest at intervals of approximately 3 months	May Be Appropriate	4	
	X-ray chest at intervals of approximately 6 months	Appropriate	7	
	X-ray chest at intervals of approximately 12 months or longer	May Be Appropriate	4	
	X-ray area(s) of interest at intervals of approximately 3 months	Appropriate	9	+
	X-ray area(s) of interest at intervals of approximately 6 months	Appropriate	7	
	X-ray area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	CT chest at intervals of approximately 3 months	Rarely Appropriate	3	
	CT chest at intervals of approximately 6 months	May Be Appropriate	5	
	CT chest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	CT area(s) of interest at intervals of approximately 3 months	May Be Appropriate	4	
	CT area(s) of interest at intervals of approximately 6 months	May Be Appropriate	4	
	CT area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	MRI at intervals of approximately 3 months	May Be Appropriate	5	
	MRI at intervals of approximately 6 months	May Be Appropriate	6	
	MRI at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	2	+
	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	2	+
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	2	
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	1	+

	FDG-PET/CT whole body at intervals of approximately 6 months	Rarely Appropriate	2	+
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 6 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 12 months or longer	Rarely Appropriate	1	+

Scenario 32	**Treatment**	**Appropriateness**	**Median Rating**	**Agreement**
Low Risk of Metastatic Disease, High Risk of Local Recurrence, Bone, Low Extrapulmonary Metastatic Risk and no history, No history of recurrence, 2-5 years since treatment	X-ray chest at intervals of approximately 3 months	Rarely Appropriate	3	+
	X-ray chest at intervals of approximately 6 months	Appropriate	7	
	X-ray chest at intervals of approximately 12 months or longer	May Be Appropriate	5	
	X-ray area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	3	
	X-ray area(s) of interest at intervals of approximately 6 months	Appropriate	7	+
	X-ray area(s) of interest at intervals of approximately 12 months or longer	May Be Appropriate	5	
	CT chest at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT chest at intervals of approximately 6 months	May Be Appropriate	4	
	CT chest at intervals of approximately 12 months or longer	May Be Appropriate	5	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT area(s) of interest at intervals of approximately 6 months	May Be Appropriate	4	

	CT area(s) of interest at intervals of approximately 12 months or longer	May Be Appropriate	4	
	MRI at intervals of approximately 3 months	Rarely Appropriate	2	+
	MRI at intervals of approximately 6 months	May Be Appropriate	6	
	MRI at intervals of approximately 12 months or longer	May Be Appropriate	4	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	2	+
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 6 months	Rarely Appropriate	2	+
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 6 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 12 months or longer	Rarely Appropriate	1	+

Scenario 33	**Treatment**	**Appropriateness**	**Median Rating**	**Agreement**
Low Risk of Metastatic Disease, High Risk of Local Recurrence, Bone, Low Extrapulmonary Metastatic Risk and no	X-ray chest at intervals of approximately 3 months	Rarely Appropriate	2	+
	X-ray chest at intervals of approximately 6 months	Rarely Appropriate	3	

history, No history of recurrence, >5 years since treatment	X-ray chest at intervals of approximately 12 months or longer	Appropriate	7	
	X-ray area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	X-ray area(s) of interest at intervals of approximately 6 months	May Be Appropriate	4	
	X-ray area(s) of interest at intervals of approximately 12 months or longer	Appropriate	7	+
	CT chest at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT chest at intervals of approximately 6 months	Rarely Appropriate	3	+
	CT chest at intervals of approximately 12 months or longer	May Be Appropriate	5	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	3	+
	CT area(s) of interest at intervals of approximately 12 months or longer	May Be Appropriate	4	
	MRI at intervals of approximately 3 months	Rarely Appropriate	1	+
	MRI at intervals of approximately 6 months	Rarely Appropriate	3	+
	MRI at intervals of approximately 12 months or longer	May Be Appropriate	5	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 6 months	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+

	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 6 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 12 months or longer	Rarely Appropriate	1	+

Scenario 34	**Treatment**	**Appropriateness**	**Median Rating**	**Agreement**
Low Risk of Metastatic Disease, High Risk of Local Recurrence, Bone, Low Extrapulmonary Metastatic Risk and no history, Local history of recurrence, < 2 years since treatment	X-ray chest at intervals of approximately 3 months	May Be Appropriate	4	
	X-ray chest at intervals of approximately 6 months	Appropriate	7	
	X-ray chest at intervals of approximately 12 months or longer	May Be Appropriate	5	
	X-ray area(s) of interest at intervals of approximately 3 months	Appropriate	9	+
	X-ray area(s) of interest at intervals of approximately 6 months	May Be Appropriate	6	
	X-ray area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	CT chest at intervals of approximately 3 months	May Be Appropriate	4	
	CT chest at intervals of approximately 6 months	May Be Appropriate	5	-
	CT chest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	CT area(s) of interest at intervals of approximately 3 months	May Be Appropriate	5	
	CT area(s) of interest at intervals of approximately 6 months	May Be Appropriate	4	
	CT area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	MRI at intervals of approximately 3 months	May Be Appropriate	6	
	MRI at intervals of approximately 6 months	May Be Appropriate	5	

	MRI at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	2	+
	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	2	
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	2	+
	FDG-PET/CT whole body at intervals of approximately 6 months	Rarely Appropriate	2	+
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 6 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 12 months or longer	Rarely Appropriate	1	+

Scenario 35	**Treatment**	**Appropriateness**	**Median Rating**	**Agreement**
Low Risk of Metastatic Disease, High Risk of Local Recurrence, Bone, Low Extrapulmonary Metastatic Risk and no history, Local history of recurrence, 2-5 years since treatment	X-ray chest at intervals of approximately 3 months	Rarely Appropriate	3	
	X-ray chest at intervals of approximately 6 months	May Be Appropriate	6	
	X-ray chest at intervals of approximately 12 months or longer	May Be Appropriate	6	
	X-ray area(s) of interest at intervals of approximately 3 months	May Be Appropriate	4	
	X-ray area(s) of interest at intervals of approximately 6 months	Appropriate	9	+

	X-ray area(s) of interest at intervals of approximately 12 months or longer	May Be Appropriate	5	
	CT chest at intervals of approximately 3 months	Rarely Appropriate	3	+
	CT chest at intervals of approximately 6 months	May Be Appropriate	5	
	CT chest at intervals of approximately 12 months or longer	May Be Appropriate	4	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	3	+
	CT area(s) of interest at intervals of approximately 6 months	May Be Appropriate	5	
	CT area(s) of interest at intervals of approximately 12 months or longer	May Be Appropriate	4	
	MRI at intervals of approximately 3 months	Rarely Appropriate	3	+
	MRI at intervals of approximately 6 months	May Be Appropriate	6	
	MRI at intervals of approximately 12 months or longer	May Be Appropriate	4	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	2	
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	2	
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 6 months	Rarely Appropriate	2	
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	1	+

	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 6 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 12 months or longer	Rarely Appropriate	1	+

Scenario 36	Treatment	Appropriateness	Median Rating	Agreement
Low Risk of Metastatic Disease, High Risk of Local Recurrence, Bone, Low Extrapulmonary Metastatic Risk and no history, Local history of recurrence, >5 years since treatment	X-ray chest at intervals of approximately 3 months	Rarely Appropriate	3	+
	X-ray chest at intervals of approximately 6 months	May Be Appropriate	4	
	X-ray chest at intervals of approximately 12 months or longer	Appropriate	7	
	X-ray area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	3	+
	X-ray area(s) of interest at intervals of approximately 6 months	May Be Appropriate	5	
	X-ray area(s) of interest at intervals of approximately 12 months or longer	Appropriate	8	+
	CT chest at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT chest at intervals of approximately 6 months	Rarely Appropriate	3	
	CT chest at intervals of approximately 12 months or longer	May Be Appropriate	5	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	3	
	CT area(s) of interest at intervals of approximately 12 months or longer	May Be Appropriate	5	
	MRI at intervals of approximately 3 months	Rarely Appropriate	1	+
	MRI at intervals of approximately 6 months	Rarely Appropriate	3	
	MRI at intervals of approximately 12 months or longer	May Be Appropriate	5	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	1	+

	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	2	
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 6 months	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	Rarely Appropriate	2	
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 6 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 12 months or longer	Rarely Appropriate	1	+

Scenario 37	**Treatment**	**Appropriateness**	**Median Rating**	**Agreement**
Low Risk of Metastatic Disease, High Risk of Local Recurrence, Soft tissue, Extrapulmonary Metastatic Risk or History, No history of recurrence, < 2 years since treatment	X-ray chest at intervals of approximately 3 months	May Be Appropriate	5	
	X-ray chest at intervals of approximately 6 months	Appropriate	7	
	X-ray chest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	X-ray area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	X-ray area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+
	X-ray area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	CT chest at intervals of approximately 3 months	May Be Appropriate	4	

	CT chest at intervals of approximately 6 months	May Be Appropriate	5	
	CT chest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	
	CT area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+
	CT area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	MRI at intervals of approximately 3 months	Appropriate	7	
	MRI at intervals of approximately 6 months	May Be Appropriate	6	
	MRI at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	3	
	FDG-PET/CT whole body at intervals of approximately 6 months	May Be Appropriate	4	
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	3	
	CT abdomen/pelvis at intervals of approximately 6 months	May Be Appropriate	5	
	CT abdomen/pelvis at intervals of approximately 12 months or longer	May Be Appropriate	4	

Scenario 38	Treatment	Appropriateness	Median Rating	Agreement
Low Risk of Metastatic Disease, High Risk of Local Recurrence, Soft tissue, Extrapulmonary Metastatic Risk or History, No history of recurrence, 2-5 years since treatment	X-ray chest at intervals of approximately 3 months	Rarely Appropriate	3	
	X-ray chest at intervals of approximately 6 months	Appropriate	7	
	X-ray chest at intervals of approximately 12 months or longer	May Be Appropriate	6	
	X-ray area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	X-ray area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+
	X-ray area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	CT chest at intervals of approximately 3 months	Rarely Appropriate	3	+
	CT chest at intervals of approximately 6 months	May Be Appropriate	5	-
	CT chest at intervals of approximately 12 months or longer	May Be Appropriate	5	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	3	
	CT area(s) of interest at intervals of approximately 12 months or longer	May Be Appropriate	4	
	MRI at intervals of approximately 3 months	Rarely Appropriate	3	
	MRI at intervals of approximately 6 months	Appropriate	7	
	MRI at intervals of approximately 12 months or longer	May Be Appropriate	5	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	2	+

	FDG-PET/CT whole body at intervals of approximately 6 months	Rarely Appropriate	3	
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	May Be Appropriate	4	
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	3	
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT abdomen/pelvis at intervals of approximately 6 months	Rarely Appropriate	3	
	CT abdomen/pelvis at intervals of approximately 12 months or longer	May Be Appropriate	4	

Scenario 39	**Treatment**	**Appropriateness**	**Median Rating**	**Agreement**
Low Risk of Metastatic Disease, High Risk of Local Recurrence, Soft tissue, Extrapulmonary Metastatic Risk or History, No history of recurrence, >5 years since treatment	X-ray chest at intervals of approximately 3 months	Rarely Appropriate	2	+
	X-ray chest at intervals of approximately 6 months	Rarely Appropriate	3	
	X-ray chest at intervals of approximately 12 months or longer	Appropriate	7	
	X-ray area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	X-ray area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+
	X-ray area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	CT chest at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT chest at intervals of approximately 6 months	Rarely Appropriate	3	+
	CT chest at intervals of approximately 12 months or longer	May Be Appropriate	5	-
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+

	CT area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	MRI at intervals of approximately 3 months	Rarely Appropriate	1	+
	MRI at intervals of approximately 6 months	Rarely Appropriate	3	
	MRI at intervals of approximately 12 months or longer	Appropriate	7	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 6 months	Rarely Appropriate	2	+
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	May Be Appropriate	4	
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 6 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 12 months or longer	Rarely Appropriate	3	

Scenario 40	**Treatment**	**Appropriateness**	**Median Rating**	**Agreement**
Low Risk of Metastatic Disease, High Risk of Local Recurrence, Soft tissue, Extrapulmonary Metastatic Risk or	X-ray chest at intervals of approximately 3 months	Appropriate	7	
	X-ray chest at intervals of approximately 6 months	May Be Appropriate	5	

History, Local history of recurrence, < 2 years since treatment	X-ray chest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	X-ray area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	X-ray area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+
	X-ray area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	CT chest at intervals of approximately 3 months	May Be Appropriate	6	
	CT chest at intervals of approximately 6 months	Appropriate	7	
	CT chest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	
	CT area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	
	CT area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	MRI at intervals of approximately 3 months	Appropriate	7	
	MRI at intervals of approximately 6 months	Appropriate	7	
	MRI at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 3 months	May Be Appropriate	4	
	FDG-PET/CT whole body at intervals of approximately 6 months	May Be Appropriate	5	
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	

	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	2	
	CT abdomen/pelvis at intervals of approximately 6 months	May Be Appropriate	5	
	CT abdomen/pelvis at intervals of approximately 12 months or longer	Rarely Appropriate	3	

Scenario 41	**Treatment**	**Appropriateness**	**Median Rating**	**Agreement**
Low Risk of Metastatic Disease, High Risk of Local Recurrence, Soft tissue, Extrapulmonary Metastatic Risk or History, Local history of recurrence, 2-5 years since treatment	X-ray chest at intervals of approximately 3 months	Rarely Appropriate	3	
	X-ray chest at intervals of approximately 6 months	Appropriate	7	
	X-ray chest at intervals of approximately 12 months or longer	May Be Appropriate	5	
	X-ray area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	X-ray area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+
	X-ray area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	CT chest at intervals of approximately 3 months	Rarely Appropriate	3	
	CT chest at intervals of approximately 6 months	May Be Appropriate	6	
	CT chest at intervals of approximately 12 months or longer	May Be Appropriate	4	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	3	
	CT area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	MRI at intervals of approximately 3 months	Rarely Appropriate	3	
	MRI at intervals of approximately 6 months	Appropriate	7	

	MRI at intervals of approximately 12 months or longer	May Be Appropriate	5	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	3	+
	FDG-PET/CT whole body at intervals of approximately 6 months	May Be Appropriate	4	
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	May Be Appropriate	4	
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	Ultrasound area(s) of interest at intervals of approximately 6 months	May Be Appropriate	4	
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT abdomen/pelvis at intervals of approximately 6 months	May Be Appropriate	4	
	CT abdomen/pelvis at intervals of approximately 12 months or longer	May Be Appropriate	4	

Scenario 42	**Treatment**	**Appropriateness**	**Median Rating**	**Agreement**
Low Risk of Metastatic Disease, High Risk of Local Recurrence, Soft tissue, Extrapulmonary Metastatic Risk or History, Local history of recurrence, >5 years since treatment	X-ray chest at intervals of approximately 3 months	Rarely Appropriate	2	+
	X-ray chest at intervals of approximately 6 months	Rarely Appropriate	3	
	X-ray chest at intervals of approximately 12 months or longer	Appropriate	8	
	X-ray area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	X-ray area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+

	X-ray area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	CT chest at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT chest at intervals of approximately 6 months	Rarely Appropriate	3	
	CT chest at intervals of approximately 12 months or longer	May Be Appropriate	6	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+
	CT area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	
	MRI at intervals of approximately 3 months	Rarely Appropriate	3	+
	MRI at intervals of approximately 6 months	Rarely Appropriate	3	
	MRI at intervals of approximately 12 months or longer	Appropriate	7	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 6 months	Rarely Appropriate	2	+
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	May Be Appropriate	4	
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	

	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 6 months	Rarely Appropriate	2	+
	CT abdomen/pelvis at intervals of approximately 12 months or longer	May Be Appropriate	4	

Scenario 43	Treatment	Appropriateness	Median Rating	Agreement
Low Risk of Metastatic Disease, High Risk of Local Recurrence, Soft tissue, Low Extrapulmonary Metastatic Risk and no history, No history of recurrence, < 2 years since treatment	X-ray chest at intervals of approximately 3 months	May Be Appropriate	5	-
	X-ray chest at intervals of approximately 6 months	May Be Appropriate	5	
	X-ray chest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	X-ray area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	X-ray area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+
	X-ray area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	CT chest at intervals of approximately 3 months	May Be Appropriate	4	
	CT chest at intervals of approximately 6 months	May Be Appropriate	5	
	CT chest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	
	CT area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	
	CT area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	MRI at intervals of approximately 3 months	May Be Appropriate	5	-
	MRI at intervals of approximately 6 months	Appropriate	7	
	MRI at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	1	+

	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	2	
	FDG-PET/CT whole body at intervals of approximately 6 months	Rarely Appropriate	3	
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	Rarely Appropriate	3	+
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 6 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 12 months or longer	Rarely Appropriate	1	+

Scenario 44	**Treatment**	**Appropriateness**	**Median Rating**	**Agreement**
Low Risk of Metastatic Disease, High Risk of Local Recurrence, Soft tissue, Low Extrapulmonary Metastatic Risk and no history, No history of recurrence, 2-5 years since treatment	X-ray chest at intervals of approximately 3 months	Rarely Appropriate	3	
	X-ray chest at intervals of approximately 6 months	Appropriate	7	
	X-ray chest at intervals of approximately 12 months or longer	May Be Appropriate	6	
	X-ray area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	X-ray area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+
	X-ray area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	CT chest at intervals of approximately 3 months	Rarely Appropriate	3	+

	CT chest at intervals of approximately 6 months	May Be Appropriate	5	
	CT chest at intervals of approximately 12 months or longer	May Be Appropriate	5	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+
	CT area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	
	MRI at intervals of approximately 3 months	Rarely Appropriate	2	+
	MRI at intervals of approximately 6 months	Appropriate	8	
	MRI at intervals of approximately 12 months or longer	May Be Appropriate	6	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	2	+
	FDG-PET/CT whole body at intervals of approximately 6 months	Rarely Appropriate	3	
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 6 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 12 months or longer	Rarely Appropriate	1	+

Scenario 45	Treatment	Appropriateness	Median Rating	Agreement
Low Risk of Metastatic Disease, High Risk of Local Recurrence, Soft tissue, Low Extrapulmonary Metastatic Risk and no history, No history of recurrence, >5 years since treatment	X-ray chest at intervals of approximately 3 months	Rarely Appropriate	2	+
	X-ray chest at intervals of approximately 6 months	Rarely Appropriate	3	
	X-ray chest at intervals of approximately 12 months or longer	Appropriate	7	
	X-ray area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	X-ray area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+
	X-ray area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	CT chest at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT chest at intervals of approximately 6 months	Rarely Appropriate	3	+
	CT chest at intervals of approximately 12 months or longer	May Be Appropriate	5	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+
	CT area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	
	MRI at intervals of approximately 3 months	Rarely Appropriate	2	+
	MRI at intervals of approximately 6 months	Rarely Appropriate	3	+
	MRI at intervals of approximately 12 months or longer	May Be Appropriate	6	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	1	+

	FDG-PET/CT whole body at intervals of approximately 6 months	Rarely Appropriate	2	+
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 6 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 12 months or longer	Rarely Appropriate	1	+

Scenario 46	**Treatment**	**Appropriateness**	**Median Rating**	**Agreement**
Low Risk of Metastatic Disease, High Risk of Local Recurrence, Soft tissue, Low Extrapulmonary Metastatic Risk and no history, Local history of recurrence, < 2 years since treatment	X-ray chest at intervals of approximately 3 months	May Be Appropriate	5	-
	X-ray chest at intervals of approximately 6 months	May Be Appropriate	5	
	X-ray chest at intervals of approximately 12 months or longer	May Be Appropriate	4	
	X-ray area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	X-ray area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+
	X-ray area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	CT chest at intervals of approximately 3 months	May Be Appropriate	5	-
	CT chest at intervals of approximately 6 months	May Be Appropriate	5	
	CT chest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	
	CT area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	

	CT area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	MRI at intervals of approximately 3 months	Appropriate	7	
	MRI at intervals of approximately 6 months	Appropriate	7	
	MRI at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	3	
	FDG-PET/CT whole body at intervals of approximately 6 months	May Be Appropriate	4	
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	Rarely Appropriate	3	+
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 6 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 12 months or longer	Rarely Appropriate	1	+

Scenario 47	**Treatment**	**Appropriateness**	**Median Rating**	**Agreement**
Low Risk of Metastatic Disease, High Risk of Local Recurrence, Soft tissue, Low Extrapulmonary	X-ray chest at intervals of approximately 3 months	Rarely Appropriate	3	+
	X-ray chest at intervals of approximately 6 months	Appropriate	7	

Metastatic Risk and no history, Local history of recurrence, 2-5 years since treatment	X-ray chest at intervals of approximately 12 months or longer	May Be Appropriate	5	
	X-ray area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	X-ray area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+
	X-ray area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	CT chest at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT chest at intervals of approximately 6 months	May Be Appropriate	6	
	CT chest at intervals of approximately 12 months or longer	May Be Appropriate	5	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	
	CT area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	
	MRI at intervals of approximately 3 months	Rarely Appropriate	3	
	MRI at intervals of approximately 6 months	Appropriate	8	+
	MRI at intervals of approximately 12 months or longer	May Be Appropriate	5	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	2	+
	FDG-PET/CT whole body at intervals of approximately 6 months	May Be Appropriate	4	
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+

	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	3	
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 6 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 12 months or longer	Rarely Appropriate	1	+

Scenario 48	**Treatment**	**Appropriateness**	**Median Rating**	**Agreement**
Low Risk of Metastatic Disease, High Risk of Local Recurrence, Soft tissue, Low Extrapulmonary Metastatic Risk and no history, Local history of recurrence, >5 years since treatment	X-ray chest at intervals of approximately 3 months	Rarely Appropriate	3	+
	X-ray chest at intervals of approximately 6 months	Rarely Appropriate	3	
	X-ray chest at intervals of approximately 12 months or longer	Appropriate	8	+
	X-ray area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	X-ray area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+
	X-ray area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	CT chest at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT chest at intervals of approximately 6 months	May Be Appropriate	4	
	CT chest at intervals of approximately 12 months or longer	May Be Appropriate	6	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	3	+
	CT area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	MRI at intervals of approximately 3 months	Rarely Appropriate	1	+
	MRI at intervals of approximately 6 months	Rarely Appropriate	3	

	MRI at intervals of approximately 12 months or longer	May Be Appropriate	6	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 6 months	Rarely Appropriate	2	+
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	May Be Appropriate	4	
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 6 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 12 months or longer	Rarely Appropriate	1	+

Scenario 49	**Treatment**	**Appropriateness**	**Median Rating**	**Agreement**
High Risk of Metastatic Disease, Low Risk of Local Recurrence, Bone, Extrapulmonary Metastatic Risk or History, No history of recurrence, < 2 years since treatment	X-ray chest at intervals of approximately 3 months	Appropriate	7	
	X-ray chest at intervals of approximately 6 months	May Be Appropriate	6	
	X-ray chest at intervals of approximately 12 months or longer	Rarely Appropriate	3	+
	X-ray area(s) of interest at intervals of approximately 3 months	Appropriate	8	+
	X-ray area(s) of interest at intervals of approximately 6 months	May Be Appropriate	6	

	X-ray area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	CT chest at intervals of approximately 3 months	Appropriate	8	
	CT chest at intervals of approximately 6 months	Appropriate	7	
	CT chest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	CT area(s) of interest at intervals of approximately 3 months	May Be Appropriate	4	
	CT area(s) of interest at intervals of approximately 6 months	May Be Appropriate	4	
	CT area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	MRI at intervals of approximately 3 months	May Be Appropriate	4	
	MRI at intervals of approximately 6 months	May Be Appropriate	5	-
	MRI at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	2	
	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	3	
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	FDG-PET/CT whole body at intervals of approximately 3 months	May Be Appropriate	4	
	FDG-PET/CT whole body at intervals of approximately 6 months	May Be Appropriate	5	
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	1	+

	CT abdomen/pelvis at intervals of approximately 3 months	May Be Appropriate	4	
	CT abdomen/pelvis at intervals of approximately 6 months	May Be Appropriate	5	-
	CT abdomen/pelvis at intervals of approximately 12 months or longer	Rarely Appropriate	3	

Scenario 50	Treatment	Appropriateness	Median Rating	Agreement
High Risk of Metastatic Disease, Low Risk of Local Recurrence, Bone, Extrapulmonary Metastatic Risk or History, No history of recurrence, 2-5 years since treatment	X-ray chest at intervals of approximately 3 months	May Be Appropriate	5	
	X-ray chest at intervals of approximately 6 months	Appropriate	7	
	X-ray chest at intervals of approximately 12 months or longer	May Be Appropriate	5	
	X-ray area(s) of interest at intervals of approximately 3 months	May Be Appropriate	4	
	X-ray area(s) of interest at intervals of approximately 6 months	Appropriate	8	+
	X-ray area(s) of interest at intervals of approximately 12 months or longer	May Be Appropriate	5	
	CT chest at intervals of approximately 3 months	Rarely Appropriate	3	
	CT chest at intervals of approximately 6 months	Appropriate	7	+
	CT chest at intervals of approximately 12 months or longer	May Be Appropriate	5	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	3	+
	CT area(s) of interest at intervals of approximately 6 months	May Be Appropriate	4	
	CT area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	MRI at intervals of approximately 3 months	Rarely Appropriate	3	+
	MRI at intervals of approximately 6 months	May Be Appropriate	4	
	MRI at intervals of approximately 12 months or longer	May Be Appropriate	4	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	2	+

	Tc-99m whole body bone scan at intervals of approximately 6 months	May Be Appropriate	4	
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	May Be Appropriate	4	
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	3	+
	FDG-PET/CT whole body at intervals of approximately 6 months	May Be Appropriate	4	
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	May Be Appropriate	4	
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT abdomen/pelvis at intervals of approximately 6 months	May Be Appropriate	4	
	CT abdomen/pelvis at intervals of approximately 12 months or longer	May Be Appropriate	4	

Scenario 51	**Treatment**	**Appropriateness**	**Median Rating**	**Agreement**
High Risk of Metastatic Disease, Low Risk of Local Recurrence, Bone, Extrapulmonary Metastatic Risk or History, No history of recurrence, >5 years since treatment	X-ray chest at intervals of approximately 3 months	Rarely Appropriate	3	+
	X-ray chest at intervals of approximately 6 months	May Be Appropriate	4	
	X-ray chest at intervals of approximately 12 months or longer	Appropriate	7	
	X-ray area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	3	+
	X-ray area(s) of interest at intervals of approximately 6 months	May Be Appropriate	4	
	X-ray area(s) of interest at intervals of approximately 12 months or longer	Appropriate	8	+
	CT chest at intervals of approximately 3 months	Rarely Appropriate	3	+

	CT chest at intervals of approximately 6 months	Rarely Appropriate	3	
	CT chest at intervals of approximately 12 months or longer	Appropriate	8	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	3	+
	CT area(s) of interest at intervals of approximately 12 months or longer	May Be Appropriate	4	
	MRI at intervals of approximately 3 months	Rarely Appropriate	1	+
	MRI at intervals of approximately 6 months	Rarely Appropriate	2	+
	MRI at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	2	
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	2	+
	FDG-PET/CT whole body at intervals of approximately 6 months	Rarely Appropriate	3	+
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	May Be Appropriate	4	
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 6 months	Rarely Appropriate	2	+
	CT abdomen/pelvis at intervals of approximately 12 months or longer	May Be Appropriate	4	

Scenario 52	Treatment	Appropriateness	Median Rating	Agreement
High Risk of Metastatic Disease, Low Risk of Local Recurrence, Bone, Extrapulmonary Metastatic Risk or History, Local history of recurrence, < 2 years since treatment	X-ray chest at intervals of approximately 3 months	Appropriate	7	
	X-ray chest at intervals of approximately 6 months	May Be Appropriate	4	
	X-ray chest at intervals of approximately 12 months or longer	Rarely Appropriate	3	+
	X-ray area(s) of interest at intervals of approximately 3 months	Appropriate	9	+
	X-ray area(s) of interest at intervals of approximately 6 months	May Be Appropriate	6	
	X-ray area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	3	+
	CT chest at intervals of approximately 3 months	Appropriate	8	
	CT chest at intervals of approximately 6 months	Appropriate	7	
	CT chest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	CT area(s) of interest at intervals of approximately 3 months	May Be Appropriate	5	
	CT area(s) of interest at intervals of approximately 6 months	May Be Appropriate	5	
	CT area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	MRI at intervals of approximately 3 months	May Be Appropriate	6	
	MRI at intervals of approximately 6 months	May Be Appropriate	6	
	MRI at intervals of approximately 12 months or longer	Rarely Appropriate	3	+
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	3	
	Tc-99m whole body bone scan at intervals of approximately 6 months	May Be Appropriate	4	
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	FDG-PET/CT whole body at intervals of approximately 3 months	May Be Appropriate	4	

	FDG-PET/CT whole body at intervals of approximately 6 months	May Be Appropriate	5	
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	3	
	CT abdomen/pelvis at intervals of approximately 6 months	May Be Appropriate	6	
	CT abdomen/pelvis at intervals of approximately 12 months or longer	Rarely Appropriate	3	

Scenario 53	**Treatment**	**Appropriateness**	**Median Rating**	**Agreement**
High Risk of Metastatic Disease, Low Risk of Local Recurrence, Bone, Extrapulmonary Metastatic Risk or History, Local history of recurrence, 2-5 years since treatment	X-ray chest at intervals of approximately 3 months	May Be Appropriate	4	
	X-ray chest at intervals of approximately 6 months	Appropriate	7	
	X-ray chest at intervals of approximately 12 months or longer	May Be Appropriate	5	
	X-ray area(s) of interest at intervals of approximately 3 months	May Be Appropriate	5	
	X-ray area(s) of interest at intervals of approximately 6 months	Appropriate	8	+
	X-ray area(s) of interest at intervals of approximately 12 months or longer	May Be Appropriate	5	
	CT chest at intervals of approximately 3 months	May Be Appropriate	4	
	CT chest at intervals of approximately 6 months	Appropriate	8	+
	CT chest at intervals of approximately 12 months or longer	May Be Appropriate	5	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	
	CT area(s) of interest at intervals of approximately 6 months	May Be Appropriate	4	

	CT area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	MRI at intervals of approximately 3 months	Rarely Appropriate	3	
	MRI at intervals of approximately 6 months	May Be Appropriate	6	
	MRI at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	2	+
	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	3	
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	May Be Appropriate	4	
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	3	
	FDG-PET/CT whole body at intervals of approximately 6 months	May Be Appropriate	5	
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	May Be Appropriate	4	
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT abdomen/pelvis at intervals of approximately 6 months	Rarely Appropriate	2	
	CT abdomen/pelvis at intervals of approximately 12 months or longer	May Be Appropriate	5	

Scenario 54	**Treatment**	**Appropriateness**	**Median Rating**	**Agreement**
High Risk of Metastatic Disease, Low Risk of Local Recurrence, Bone, Extrapulmonary Metastatic Risk or	X-ray chest at intervals of approximately 3 months	Rarely Appropriate	3	+
	X-ray chest at intervals of approximately 6 months	May Be Appropriate	4	

History, Local history of recurrence, >5 years since treatment	X-ray chest at intervals of approximately 12 months or longer	Appropriate	8	+
	X-ray area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	3	+
	X-ray area(s) of interest at intervals of approximately 6 months	May Be Appropriate	4	
	X-ray area(s) of interest at intervals of approximately 12 months or longer	Appropriate	8	+
	CT chest at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT chest at intervals of approximately 6 months	Rarely Appropriate	3	
	CT chest at intervals of approximately 12 months or longer	Appropriate	7	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	3	+
	CT area(s) of interest at intervals of approximately 12 months or longer	May Be Appropriate	4	
	MRI at intervals of approximately 3 months	Rarely Appropriate	2	+
	MRI at intervals of approximately 6 months	Rarely Appropriate	3	+
	MRI at intervals of approximately 12 months or longer	May Be Appropriate	5	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	2	+
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	May Be Appropriate	4	
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	2	+
	FDG-PET/CT whole body at intervals of approximately 6 months	Rarely Appropriate	2	+
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	May Be Appropriate	5	
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+

	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 6 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 12 months or longer	May Be Appropriate	4	

Scenario 55	Treatment	Appropriateness	Median Rating	Agreement
High Risk of Metastatic Disease, Low Risk of Local Recurrence, Bone, Extrapulmonary Metastatic Risk or History, Pulmonary history of recurrence, < 2 years since treatment	X-ray chest at intervals of approximately 3 months	Appropriate	7	
	X-ray chest at intervals of approximately 6 months	May Be Appropriate	5	
	X-ray chest at intervals of approximately 12 months or longer	Rarely Appropriate	3	+
	X-ray area(s) of interest at intervals of approximately 3 months	Appropriate	8	+
	X-ray area(s) of interest at intervals of approximately 6 months	May Be Appropriate	6	
	X-ray area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	3	+
	CT chest at intervals of approximately 3 months	Appropriate	8	
	CT chest at intervals of approximately 6 months	May Be Appropriate	6	
	CT chest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	3	
	CT area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	3	
	CT area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	MRI at intervals of approximately 3 months	Rarely Appropriate	3	
	MRI at intervals of approximately 6 months	May Be Appropriate	5	

	MRI at intervals of approximately 12 months or longer	Rarely Appropriate	3	+
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	2	
	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	3	
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	FDG-PET/CT whole body at intervals of approximately 3 months	May Be Appropriate	4	
	FDG-PET/CT whole body at intervals of approximately 6 months	May Be Appropriate	5	
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 3 months	May Be Appropriate	4	
	CT abdomen/pelvis at intervals of approximately 6 months	May Be Appropriate	6	
	CT abdomen/pelvis at intervals of approximately 12 months or longer	Rarely Appropriate	3	

Scenario 56	**Treatment**	**Appropriateness**	**Median Rating**	**Agreement**
High Risk of Metastatic Disease, Low Risk of Local Recurrence, Bone, Extrapulmonary Metastatic Risk or History, Pulmonary history of recurrence, 2-5 years since treatment	X-ray chest at intervals of approximately 3 months	May Be Appropriate	4	
	X-ray chest at intervals of approximately 6 months	Appropriate	7	
	X-ray chest at intervals of approximately 12 months or longer	May Be Appropriate	4	
	X-ray area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	3	
	X-ray area(s) of interest at intervals of approximately 6 months	Appropriate	7	+

	X-ray area(s) of interest at intervals of approximately 12 months or longer	May Be Appropriate	4	
	CT chest at intervals of approximately 3 months	May Be Appropriate	4	
	CT chest at intervals of approximately 6 months	Appropriate	7	+
	CT chest at intervals of approximately 12 months or longer	May Be Appropriate	5	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	3	+
	CT area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	3	
	CT area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	MRI at intervals of approximately 3 months	Rarely Appropriate	3	+
	MRI at intervals of approximately 6 months	May Be Appropriate	5	
	MRI at intervals of approximately 12 months or longer	May Be Appropriate	4	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	2	+
	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	3	
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	3	+
	FDG-PET/CT whole body at intervals of approximately 6 months	May Be Appropriate	5	+
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	1	+

	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT abdomen/pelvis at intervals of approximately 6 months	May Be Appropriate	5	
	CT abdomen/pelvis at intervals of approximately 12 months or longer	May Be Appropriate	4	

Scenario 57	Treatment	Appropriateness	Median Rating	Agreement
High Risk of Metastatic Disease, Low Risk of Local Recurrence, Bone, Extrapulmonary Metastatic Risk or History, Pulmonary history of recurrence, >5 years since treatment	X-ray chest at intervals of approximately 3 months	Rarely Appropriate	3	
	X-ray chest at intervals of approximately 6 months	May Be Appropriate	5	
	X-ray chest at intervals of approximately 12 months or longer	Appropriate	8	+
	X-ray area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	3	+
	X-ray area(s) of interest at intervals of approximately 6 months	May Be Appropriate	4	
	X-ray area(s) of interest at intervals of approximately 12 months or longer	Appropriate	8	+
	CT chest at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT chest at intervals of approximately 6 months	Rarely Appropriate	3	
	CT chest at intervals of approximately 12 months or longer	Appropriate	8	+
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+
	CT area(s) of interest at intervals of approximately 12 months or longer	May Be Appropriate	4	
	MRI at intervals of approximately 3 months	Rarely Appropriate	1	+
	MRI at intervals of approximately 6 months	Rarely Appropriate	2	+
	MRI at intervals of approximately 12 months or longer	May Be Appropriate	4	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	1	+

	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	2	+
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 6 months	Rarely Appropriate	2	+
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	May Be Appropriate	4	
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 6 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 12 months or longer	May Be Appropriate	4	

Scenario 58	**Treatment**	**Appropriateness**	**Median Rating**	**Agreement**
High Risk of Metastatic Disease, Low Risk of Local Recurrence, Bone, Low Extrapulmonary Metastatic Risk and no history, No history of recurrence, < 2 years since treatment	X-ray chest at intervals of approximately 3 months	Appropriate	7	
	X-ray chest at intervals of approximately 6 months	May Be Appropriate	5	
	X-ray chest at intervals of approximately 12 months or longer	Rarely Appropriate	3	+
	X-ray area(s) of interest at intervals of approximately 3 months	Appropriate	8	
	X-ray area(s) of interest at intervals of approximately 6 months	Appropriate	7	
	X-ray area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	CT chest at intervals of approximately 3 months	Appropriate	8	

	CT chest at intervals of approximately 6 months	Appropriate	7	
	CT chest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	3	
	CT area(s) of interest at intervals of approximately 6 months	May Be Appropriate	4	
	CT area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	MRI at intervals of approximately 3 months	Rarely Appropriate	3	
	MRI at intervals of approximately 6 months	May Be Appropriate	5	
	MRI at intervals of approximately 12 months or longer	Rarely Appropriate	3	+
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	3	
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	2	
	FDG-PET/CT whole body at intervals of approximately 6 months	Rarely Appropriate	3	
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 6 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 12 months or longer	Rarely Appropriate	1	+

Scenario 59	Treatment	Appropriateness	Median Rating	Agreement
High Risk of Metastatic Disease, Low Risk of Local Recurrence, Bone, Low Extrapulmonary Metastatic Risk and no history, No history of recurrence, 2-5 years since treatment	X-ray chest at intervals of approximately 3 months	May Be Appropriate	4	
	X-ray chest at intervals of approximately 6 months	Appropriate	7	
	X-ray chest at intervals of approximately 12 months or longer	May Be Appropriate	5	
	X-ray area(s) of interest at intervals of approximately 3 months	May Be Appropriate	4	
	X-ray area(s) of interest at intervals of approximately 6 months	Appropriate	7	+
	X-ray area(s) of interest at intervals of approximately 12 months or longer	May Be Appropriate	5	
	CT chest at intervals of approximately 3 months	Rarely Appropriate	3	
	CT chest at intervals of approximately 6 months	Appropriate	8	+
	CT chest at intervals of approximately 12 months or longer	May Be Appropriate	5	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	3	+
	CT area(s) of interest at intervals of approximately 6 months	May Be Appropriate	4	
	CT area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	MRI at intervals of approximately 3 months	Rarely Appropriate	3	+
	MRI at intervals of approximately 6 months	May Be Appropriate	5	
	MRI at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	3	
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	3	+
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	2	+

	FDG-PET/CT whole body at intervals of approximately 6 months	Rarely Appropriate	3	
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	Rarely Appropriate	3	+
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 6 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 12 months or longer	Rarely Appropriate	1	+

Scenario 60	**Treatment**	**Appropriateness**	**Median Rating**	**Agreement**
High Risk of Metastatic Disease, Low Risk of Local Recurrence, Bone, Low Extrapulmonary Metastatic Risk and no history, No history of recurrence, >5 years since treatment	X-ray chest at intervals of approximately 3 months	Rarely Appropriate	3	+
	X-ray chest at intervals of approximately 6 months	Rarely Appropriate	3	
	X-ray chest at intervals of approximately 12 months or longer	Appropriate	8	
	X-ray area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	X-ray area(s) of interest at intervals of approximately 6 months	May Be Appropriate	4	
	X-ray area(s) of interest at intervals of approximately 12 months or longer	Appropriate	8	+
	CT chest at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT chest at intervals of approximately 6 months	Rarely Appropriate	3	+
	CT chest at intervals of approximately 12 months or longer	Appropriate	8	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+

	CT area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	MRI at intervals of approximately 3 months	Rarely Appropriate	2	+
	MRI at intervals of approximately 6 months	Rarely Appropriate	2	+
	MRI at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 6 months	Rarely Appropriate	2	+
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 6 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 12 months or longer	Rarely Appropriate	1	+

Scenario 61	**Treatment**	**Appropriateness**	**Median Rating**	**Agreement**
High Risk of Metastatic Disease, Low Risk of Local Recurrence, Bone, Low Extrapulmonary Metastatic Risk and no	X-ray chest at intervals of approximately 3 months	Appropriate	7	
	X-ray chest at intervals of approximately 6 months	May Be Appropriate	5	

history, Local history of recurrence, < 2 years since treatment	X-ray chest at intervals of approximately 12 months or longer	Rarely Appropriate	3	+
	X-ray area(s) of interest at intervals of approximately 3 months	Appropriate	8	+
	X-ray area(s) of interest at intervals of approximately 6 months	May Be Appropriate	5	-
	X-ray area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	3	+
	CT chest at intervals of approximately 3 months	Appropriate	8	
	CT chest at intervals of approximately 6 months	Appropriate	7	
	CT chest at intervals of approximately 12 months or longer	Rarely Appropriate	3	+
	CT area(s) of interest at intervals of approximately 3 months	May Be Appropriate	5	
	CT area(s) of interest at intervals of approximately 6 months	May Be Appropriate	5	
	CT area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	MRI at intervals of approximately 3 months	May Be Appropriate	5	
	MRI at intervals of approximately 6 months	May Be Appropriate	5	
	MRI at intervals of approximately 12 months or longer	Rarely Appropriate	3	+
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	2	
	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	2	
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	3	+
	FDG-PET/CT whole body at intervals of approximately 6 months	May Be Appropriate	4	
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	Rarely Appropriate	3	+
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+

	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 6 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 12 months or longer	Rarely Appropriate	1	+

Scenario 62	Treatment	Appropriateness	Median Rating	Agreement
High Risk of Metastatic Disease, Low Risk of Local Recurrence, Bone, Low Extrapulmonary Metastatic Risk and no history, Local history of recurrence, 2-5 years since treatment	X-ray chest at intervals of approximately 3 months	May Be Appropriate	5	
	X-ray chest at intervals of approximately 6 months	Appropriate	7	
	X-ray chest at intervals of approximately 12 months or longer	May Be Appropriate	4	
	X-ray area(s) of interest at intervals of approximately 3 months	May Be Appropriate	5	
	X-ray area(s) of interest at intervals of approximately 6 months	Appropriate	8	+
	X-ray area(s) of interest at intervals of approximately 12 months or longer	May Be Appropriate	4	
	CT chest at intervals of approximately 3 months	May Be Appropriate	4	
	CT chest at intervals of approximately 6 months	Appropriate	8	+
	CT chest at intervals of approximately 12 months or longer	May Be Appropriate	5	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	3	+
	CT area(s) of interest at intervals of approximately 6 months	May Be Appropriate	5	
	CT area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	MRI at intervals of approximately 3 months	Rarely Appropriate	3	+
	MRI at intervals of approximately 6 months	May Be Appropriate	5	

	MRI at intervals of approximately 12 months or longer	May Be Appropriate	4	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	3	
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	2	+
	FDG-PET/CT whole body at intervals of approximately 6 months	Rarely Appropriate	3	
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	Rarely Appropriate	3	+
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 6 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 12 months or longer	Rarely Appropriate	1	+

Scenario 63	**Treatment**	**Appropriateness**	**Median Rating**	**Agreement**
High Risk of Metastatic Disease, Low Risk of Local Recurrence, Bone, Low Extrapulmonary Metastatic Risk and no history, Local history of recurrence, >5 years since treatment	X-ray chest at intervals of approximately 3 months	Rarely Appropriate	3	+
	X-ray chest at intervals of approximately 6 months	May Be Appropriate	4	
	X-ray chest at intervals of approximately 12 months or longer	Appropriate	8	+
	X-ray area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	3	+
	X-ray area(s) of interest at intervals of approximately 6 months	May Be Appropriate	5	

	X-ray area(s) of interest at intervals of approximately 12 months or longer	Appropriate	8	+
	CT chest at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT chest at intervals of approximately 6 months	Rarely Appropriate	3	
	CT chest at intervals of approximately 12 months or longer	Appropriate	7	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	3	+
	CT area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	MRI at intervals of approximately 3 months	Rarely Appropriate	2	+
	MRI at intervals of approximately 6 months	Rarely Appropriate	3	+
	MRI at intervals of approximately 12 months or longer	May Be Appropriate	4	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 6 months	Rarely Appropriate	2	+
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	1	+

	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 6 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 12 months or longer	Rarely Appropriate	1	+

Scenario 64	Treatment	Appropriateness	Median Rating	Agreement
High Risk of Metastatic Disease, Low Risk of Local Recurrence, Bone, Low Extrapulmonary Metastatic Risk and no history, Pulmonary history of recurrence, < 2 years since treatment	X-ray chest at intervals of approximately 3 months	May Be Appropriate	6	
	X-ray chest at intervals of approximately 6 months	May Be Appropriate	5	
	X-ray chest at intervals of approximately 12 months or longer	Rarely Appropriate	3	+
	X-ray area(s) of interest at intervals of approximately 3 months	Appropriate	8	+
	X-ray area(s) of interest at intervals of approximately 6 months	May Be Appropriate	5	
	X-ray area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	3	+
	CT chest at intervals of approximately 3 months	Appropriate	8	+
	CT chest at intervals of approximately 6 months	May Be Appropriate	6	
	CT chest at intervals of approximately 12 months or longer	Rarely Appropriate	3	+
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	3	
	CT area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	3	
	CT area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	3	+
	MRI at intervals of approximately 3 months	May Be Appropriate	4	
	MRI at intervals of approximately 6 months	May Be Appropriate	5	-
	MRI at intervals of approximately 12 months or longer	Rarely Appropriate	3	+
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	2	

	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	3	
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	2	
	FDG-PET/CT whole body at intervals of approximately 6 months	Rarely Appropriate	3	
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 6 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 12 months or longer	Rarely Appropriate	1	+

Scenario 65	**Treatment**	**Appropriateness**	**Median Rating**	**Agreement**
High Risk of Metastatic Disease, Low Risk of Local Recurrence, Bone, Low Extrapulmonary Metastatic Risk and no history, Pulmonary history of recurrence, 2-5 years since treatment	X-ray chest at intervals of approximately 3 months	May Be Appropriate	5	-
	X-ray chest at intervals of approximately 6 months	Appropriate	7	
	X-ray chest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	X-ray area(s) of interest at intervals of approximately 3 months	May Be Appropriate	4	
	X-ray area(s) of interest at intervals of approximately 6 months	Appropriate	7	+
	X-ray area(s) of interest at intervals of approximately 12 months or longer	May Be Appropriate	4	
	CT chest at intervals of approximately 3 months	May Be Appropriate	4	

	CT chest at intervals of approximately 6 months	Appropriate	8	+
	CT chest at intervals of approximately 12 months or longer	May Be Appropriate	5	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT area(s) of interest at intervals of approximately 6 months	May Be Appropriate	5	
	CT area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	MRI at intervals of approximately 3 months	Rarely Appropriate	2	+
	MRI at intervals of approximately 6 months	May Be Appropriate	5	
	MRI at intervals of approximately 12 months or longer	May Be Appropriate	4	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	3	
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	3	+
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	2	+
	FDG-PET/CT whole body at intervals of approximately 6 months	Rarely Appropriate	3	
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	Rarely Appropriate	3	+
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 6 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 12 months or longer	Rarely Appropriate	1	+

Scenario 66	Treatment	Appropriateness	Median Rating	Agreement
High Risk of Metastatic Disease, Low Risk of Local Recurrence, Bone, Low Extrapulmonary Metastatic Risk and no history, Pulmonary history of recurrence, >5 years since treatment	X-ray chest at intervals of approximately 3 months	Rarely Appropriate	3	+
	X-ray chest at intervals of approximately 6 months	May Be Appropriate	4	
	X-ray chest at intervals of approximately 12 months or longer	Appropriate	7	
	X-ray area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	X-ray area(s) of interest at intervals of approximately 6 months	May Be Appropriate	4	
	X-ray area(s) of interest at intervals of approximately 12 months or longer	Appropriate	8	+
	CT chest at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT chest at intervals of approximately 6 months	Rarely Appropriate	3	
	CT chest at intervals of approximately 12 months or longer	Appropriate	8	+
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+
	CT area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	MRI at intervals of approximately 3 months	Rarely Appropriate	1	+
	MRI at intervals of approximately 6 months	Rarely Appropriate	2	+
	MRI at intervals of approximately 12 months or longer	May Be Appropriate	4	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	1	+

	FDG-PET/CT whole body at intervals of approximately 6 months	Rarely Appropriate	2	+
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 6 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 12 months or longer	Rarely Appropriate	1	+

Scenario 67	**Treatment**	**Appropriateness**	**Median Rating**	**Agreement**
High Risk of Metastatic Disease, Low Risk of Local Recurrence, Soft tissue, Extrapulmonary Metastatic Risk or History, No history of recurrence, < 2 years since treatment	X-ray chest at intervals of approximately 3 months	Appropriate	8	
	X-ray chest at intervals of approximately 6 months	Appropriate	7	
	X-ray chest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	X-ray area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	X-ray area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+
	X-ray area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	CT chest at intervals of approximately 3 months	Appropriate	7	
	CT chest at intervals of approximately 6 months	Appropriate	7	
	CT chest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+

	CT area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	MRI at intervals of approximately 3 months	Rarely Appropriate	3	
	MRI at intervals of approximately 6 months	May Be Appropriate	5	
	MRI at intervals of approximately 12 months or longer	May Be Appropriate	4	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	FDG-PET/CT whole body at intervals of approximately 3 months	May Be Appropriate	4	
	FDG-PET/CT whole body at intervals of approximately 6 months	May Be Appropriate	5	
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	May Be Appropriate	4	
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	3	
	CT abdomen/pelvis at intervals of approximately 6 months	May Be Appropriate	5	-
	CT abdomen/pelvis at intervals of approximately 12 months or longer	May Be Appropriate	4	

Scenario 68	**Treatment**	**Appropriateness**	**Median Rating**	**Agreement**
High Risk of Metastatic Disease, Low Risk of Local Recurrence, Soft tissue, Extrapulmonary Metastatic Risk or	X-ray chest at intervals of approximately 3 months	Rarely Appropriate	3	
	X-ray chest at intervals of approximately 6 months	Appropriate	8	+

History, No history of recurrence, 2-5 years since treatment	X-ray chest at intervals of approximately 12 months or longer	May Be Appropriate	5	
	X-ray area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	X-ray area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+
	X-ray area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	CT chest at intervals of approximately 3 months	Rarely Appropriate	3	
	CT chest at intervals of approximately 6 months	Appropriate	7	+
	CT chest at intervals of approximately 12 months or longer	May Be Appropriate	5	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	
	CT area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	
	MRI at intervals of approximately 3 months	Rarely Appropriate	3	+
	MRI at intervals of approximately 6 months	May Be Appropriate	6	
	MRI at intervals of approximately 12 months or longer	May Be Appropriate	5	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	3	+
	FDG-PET/CT whole body at intervals of approximately 6 months	May Be Appropriate	4	
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	May Be Appropriate	5	
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+

	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT abdomen/pelvis at intervals of approximately 6 months	May Be Appropriate	4	
	CT abdomen/pelvis at intervals of approximately 12 months or longer	May Be Appropriate	5	

Scenario 69	Treatment	Appropriateness	Median Rating	Agreement
High Risk of Metastatic Disease, Low Risk of Local Recurrence, Soft tissue, Extrapulmonary Metastatic Risk or History, No history of recurrence, >5 years since treatment	X-ray chest at intervals of approximately 3 months	Rarely Appropriate	3	+
	X-ray chest at intervals of approximately 6 months	May Be Appropriate	4	
	X-ray chest at intervals of approximately 12 months or longer	Appropriate	8	+
	X-ray area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	X-ray area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	1	+
	X-ray area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	CT chest at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT chest at intervals of approximately 6 months	Rarely Appropriate	2	+
	CT chest at intervals of approximately 12 months or longer	May Be Appropriate	6	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+
	CT area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	
	MRI at intervals of approximately 3 months	Rarely Appropriate	1	+
	MRI at intervals of approximately 6 months	Rarely Appropriate	3	+

	MRI at intervals of approximately 12 months or longer	May Be Appropriate	6	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 6 months	Rarely Appropriate	2	+
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	May Be Appropriate	5	
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 6 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 12 months or longer	May Be Appropriate	5	

Scenario 70	**Treatment**	**Appropriateness**	**Median Rating**	**Agreement**
High Risk of Metastatic Disease, Low Risk of Local Recurrence, Soft tissue, Extrapulmonary Metastatic Risk or History, Local history of recurrence, < 2 years since treatment	X-ray chest at intervals of approximately 3 months	Appropriate	8	+
	X-ray chest at intervals of approximately 6 months	May Be Appropriate	5	
	X-ray chest at intervals of approximately 12 months or longer	Rarely Appropriate	3	+
	X-ray area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	X-ray area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+

	X-ray area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	CT chest at intervals of approximately 3 months	Appropriate	7	
	CT chest at intervals of approximately 6 months	May Be Appropriate	6	
	CT chest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	
	CT area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	3	+
	MRI at intervals of approximately 3 months	May Be Appropriate	5	-
	MRI at intervals of approximately 6 months	Appropriate	7	
	MRI at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	FDG-PET/CT whole body at intervals of approximately 3 months	May Be Appropriate	4	
	FDG-PET/CT whole body at intervals of approximately 6 months	May Be Appropriate	5	
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	May Be Appropriate	4	
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	3	
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+

	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	3	
	CT abdomen/pelvis at intervals of approximately 6 months	Rarely Appropriate	3	
	CT abdomen/pelvis at intervals of approximately 12 months or longer	May Be Appropriate	4	

Scenario 71	Treatment	Appropriateness	Median Rating	Agreement
High Risk of Metastatic Disease, Low Risk of Local Recurrence, Soft tissue, Extrapulmonary Metastatic Risk or History, Local history of recurrence, 2-5 years since treatment	X-ray chest at intervals of approximately 3 months	May Be Appropriate	4	
	X-ray chest at intervals of approximately 6 months	Appropriate	8	
	X-ray chest at intervals of approximately 12 months or longer	May Be Appropriate	5	
	X-ray area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	X-ray area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+
	X-ray area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	CT chest at intervals of approximately 3 months	Rarely Appropriate	3	
	CT chest at intervals of approximately 6 months	Appropriate	7	
	CT chest at intervals of approximately 12 months or longer	May Be Appropriate	5	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	
	CT area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	
	MRI at intervals of approximately 3 months	Rarely Appropriate	3	
	MRI at intervals of approximately 6 months	Appropriate	7	
	MRI at intervals of approximately 12 months or longer	May Be Appropriate	5	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	1	+

	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	3	+
	FDG-PET/CT whole body at intervals of approximately 6 months	May Be Appropriate	5	
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	May Be Appropriate	5	
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT abdomen/pelvis at intervals of approximately 6 months	May Be Appropriate	5	
	CT abdomen/pelvis at intervals of approximately 12 months or longer	May Be Appropriate	5	

Scenario 72	**Treatment**	**Appropriateness**	**Median Rating**	**Agreement**
High Risk of Metastatic Disease, Low Risk of Local Recurrence, Soft tissue, Extrapulmonary Metastatic Risk or History, Local history of recurrence, >5 years since treatment	X-ray chest at intervals of approximately 3 months	Rarely Appropriate	3	+
	X-ray chest at intervals of approximately 6 months	May Be Appropriate	4	
	X-ray chest at intervals of approximately 12 months or longer	Appropriate	7	+
	X-ray area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	X-ray area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+
	X-ray area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	CT chest at intervals of approximately 3 months	Rarely Appropriate	2	+

	CT chest at intervals of approximately 6 months	Rarely Appropriate	3	
	CT chest at intervals of approximately 12 months or longer	Appropriate	7	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+
	CT area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	
	MRI at intervals of approximately 3 months	Rarely Appropriate	2	+
	MRI at intervals of approximately 6 months	Rarely Appropriate	3	
	MRI at intervals of approximately 12 months or longer	Appropriate	7	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 6 months	Rarely Appropriate	3	+
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	May Be Appropriate	5	
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 6 months	Rarely Appropriate	2	+
	CT abdomen/pelvis at intervals of approximately 12 months or longer	May Be Appropriate	4	

Scenario 73	Treatment	Appropriateness	Median Rating	Agreement
High Risk of Metastatic Disease, Low Risk of Local Recurrence, Soft tissue, Extrapulmonary Metastatic Risk or History, Pulmonary history of recurrence, < 2 years since treatment	X-ray chest at intervals of approximately 3 months	Appropriate	8	+
	X-ray chest at intervals of approximately 6 months	May Be Appropriate	5	
	X-ray chest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	X-ray area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	X-ray area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+
	X-ray area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	CT chest at intervals of approximately 3 months	Appropriate	8	
	CT chest at intervals of approximately 6 months	Appropriate	7	
	CT chest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+
	CT area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	MRI at intervals of approximately 3 months	Rarely Appropriate	3	
	MRI at intervals of approximately 6 months	May Be Appropriate	5	
	MRI at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	3	

	FDG-PET/CT whole body at intervals of approximately 6 months	May Be Appropriate	5	
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	May Be Appropriate	4	
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	2	
	CT abdomen/pelvis at intervals of approximately 6 months	May Be Appropriate	5	
	CT abdomen/pelvis at intervals of approximately 12 months or longer	May Be Appropriate	4	

Scenario 74	**Treatment**	**Appropriateness**	**Median Rating**	**Agreement**
High Risk of Metastatic Disease, Low Risk of Local Recurrence, Soft tissue, Extrapulmonary Metastatic Risk or History, Pulmonary history of recurrence, 2-5 years since treatment	X-ray chest at intervals of approximately 3 months	May Be Appropriate	5	
	X-ray chest at intervals of approximately 6 months	Appropriate	7	
	X-ray chest at intervals of approximately 12 months or longer	May Be Appropriate	4	
	X-ray area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	X-ray area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+
	X-ray area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	CT chest at intervals of approximately 3 months	May Be Appropriate	4	
	CT chest at intervals of approximately 6 months	Appropriate	7	+
	CT chest at intervals of approximately 12 months or longer	May Be Appropriate	4	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	

	CT area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	MRI at intervals of approximately 3 months	Rarely Appropriate	3	+
	MRI at intervals of approximately 6 months	May Be Appropriate	6	
	MRI at intervals of approximately 12 months or longer	May Be Appropriate	5	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	3	+
	FDG-PET/CT whole body at intervals of approximately 6 months	May Be Appropriate	4	
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	May Be Appropriate	4	
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT abdomen/pelvis at intervals of approximately 6 months	May Be Appropriate	4	
	CT abdomen/pelvis at intervals of approximately 12 months or longer	May Be Appropriate	5	

Scenario 75	**Treatment**	**Appropriateness**	**Median Rating**	**Agreement**
High Risk of Metastatic Disease, Low Risk of Local Recurrence, Soft tissue, Extrapulmonary Metastatic Risk or	X-ray chest at intervals of approximately 3 months	Rarely Appropriate	3	+
	X-ray chest at intervals of approximately 6 months	May Be Appropriate	5	

History, Pulmonary history of recurrence, >5 years since treatment	X-ray chest at intervals of approximately 12 months or longer	Appropriate	8	+
	X-ray area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	X-ray area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+
	X-ray area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	CT chest at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT chest at intervals of approximately 6 months	Rarely Appropriate	3	
	CT chest at intervals of approximately 12 months or longer	Appropriate	7	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+
	CT area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	
	MRI at intervals of approximately 3 months	Rarely Appropriate	2	+
	MRI at intervals of approximately 6 months	Rarely Appropriate	3	+
	MRI at intervals of approximately 12 months or longer	May Be Appropriate	4	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	2	+
	FDG-PET/CT whole body at intervals of approximately 6 months	Rarely Appropriate	2	+
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	May Be Appropriate	4	
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+

	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT abdomen/pelvis at intervals of approximately 6 months	Rarely Appropriate	2	+
	CT abdomen/pelvis at intervals of approximately 12 months or longer	May Be Appropriate	4	

Scenario 76	Treatment	Appropriateness	Median Rating	Agreement
High Risk of Metastatic Disease, Low Risk of Local Recurrence, Soft tissue, Low Extrapulmonary Metastatic Risk and no history, No history of recurrence, < 2 years since treatment	X-ray chest at intervals of approximately 3 months	Appropriate	8	
	X-ray chest at intervals of approximately 6 months	May Be Appropriate	5	
	X-ray chest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	X-ray area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	X-ray area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+
	X-ray area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	CT chest at intervals of approximately 3 months	Appropriate	8	
	CT chest at intervals of approximately 6 months	Appropriate	7	
	CT chest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+
	CT area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	MRI at intervals of approximately 3 months	Rarely Appropriate	3	
	MRI at intervals of approximately 6 months	May Be Appropriate	6	

	MRI at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	3	
	FDG-PET/CT whole body at intervals of approximately 6 months	Rarely Appropriate	2	
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 6 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 12 months or longer	Rarely Appropriate	1	+

Scenario 77	**Treatment**	**Appropriateness**	**Median Rating**	**Agreement**
High Risk of Metastatic Disease, Low Risk of Local Recurrence, Soft tissue, Low Extrapulmonary Metastatic Risk and no history, No history of recurrence, 2-5 years since treatment	X-ray chest at intervals of approximately 3 months	May Be Appropriate	4	
	X-ray chest at intervals of approximately 6 months	Appropriate	8	+
	X-ray chest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	X-ray area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	X-ray area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+

	X-ray area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	CT chest at intervals of approximately 3 months	May Be Appropriate	4	
	CT chest at intervals of approximately 6 months	Appropriate	7	+
	CT chest at intervals of approximately 12 months or longer	May Be Appropriate	5	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	
	CT area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	
	MRI at intervals of approximately 3 months	Rarely Appropriate	2	
	MRI at intervals of approximately 6 months	May Be Appropriate	5	
	MRI at intervals of approximately 12 months or longer	May Be Appropriate	4	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	2	+
	FDG-PET/CT whole body at intervals of approximately 6 months	May Be Appropriate	5	
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	Rarely Appropriate	2	
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+

	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 6 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 12 months or longer	Rarely Appropriate	1	+

Scenario 78	Treatment	Appropriateness	Median Rating	Agreement
High Risk of Metastatic Disease, Low Risk of Local Recurrence, Soft tissue, Low Extrapulmonary Metastatic Risk and no history, No history of recurrence, >5 years since treatment	X-ray chest at intervals of approximately 3 months	Rarely Appropriate	2	+
	X-ray chest at intervals of approximately 6 months	Rarely Appropriate	3	
	X-ray chest at intervals of approximately 12 months or longer	Appropriate	8	+
	X-ray area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	X-ray area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+
	X-ray area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	CT chest at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT chest at intervals of approximately 6 months	Rarely Appropriate	3	
	CT chest at intervals of approximately 12 months or longer	Appropriate	7	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+
	CT area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	MRI at intervals of approximately 3 months	Rarely Appropriate	1	+
	MRI at intervals of approximately 6 months	Rarely Appropriate	2	+
	MRI at intervals of approximately 12 months or longer	May Be Appropriate	5	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	1	+

	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 6 months	Rarely Appropriate	2	+
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 6 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 12 months or longer	Rarely Appropriate	1	+

Scenario 79	**Treatment**	**Appropriateness**	**Median Rating**	**Agreement**
High Risk of Metastatic Disease, Low Risk of Local Recurrence, Soft tissue, Low Extrapulmonary Metastatic Risk and no history, Local history of recurrence, < 2 years since treatment	X-ray chest at intervals of approximately 3 months	Appropriate	8	+
	X-ray chest at intervals of approximately 6 months	May Be Appropriate	5	
	X-ray chest at intervals of approximately 12 months or longer	Rarely Appropriate	3	+
	X-ray area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	X-ray area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+
	X-ray area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	CT chest at intervals of approximately 3 months	Appropriate	7	

	CT chest at intervals of approximately 6 months	Appropriate	7	
	CT chest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+
	CT area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	MRI at intervals of approximately 3 months	May Be Appropriate	5	
	MRI at intervals of approximately 6 months	May Be Appropriate	6	
	MRI at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	3	
	FDG-PET/CT whole body at intervals of approximately 6 months	Rarely Appropriate	3	
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	Rarely Appropriate	3	+
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 6 months	Rarely Appropriate	2	+
	CT abdomen/pelvis at intervals of approximately 12 months or longer	Rarely Appropriate	1	+

Scenario 80	Treatment	Appropriateness	Median Rating	Agreement
High Risk of Metastatic Disease, Low Risk of Local Recurrence, Soft tissue, Low Extrapulmonary Metastatic Risk and no history, Local history of recurrence, 2-5 years since treatment	X-ray chest at intervals of approximately 3 months	May Be Appropriate	4	
	X-ray chest at intervals of approximately 6 months	Appropriate	7	
	X-ray chest at intervals of approximately 12 months or longer	May Be Appropriate	5	
	X-ray area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	X-ray area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+
	X-ray area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	CT chest at intervals of approximately 3 months	May Be Appropriate	4	
	CT chest at intervals of approximately 6 months	Appropriate	7	+
	CT chest at intervals of approximately 12 months or longer	May Be Appropriate	5	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	
	CT area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	
	MRI at intervals of approximately 3 months	Rarely Appropriate	3	
	MRI at intervals of approximately 6 months	Appropriate	7	
	MRI at intervals of approximately 12 months or longer	May Be Appropriate	5	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	2	+

	FDG-PET/CT whole body at intervals of approximately 6 months	May Be Appropriate	5	
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	3	
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 6 months	Rarely Appropriate	2	+
	CT abdomen/pelvis at intervals of approximately 12 months or longer	Rarely Appropriate	1	+

Scenario 81	**Treatment**	**Appropriateness**	**Median Rating**	**Agreement**
High Risk of Metastatic Disease, Low Risk of Local Recurrence, Soft tissue, Low Extrapulmonary Metastatic Risk and no history, Local history of recurrence, >5 years since treatment	X-ray chest at intervals of approximately 3 months	Rarely Appropriate	3	+
	X-ray chest at intervals of approximately 6 months	May Be Appropriate	5	
	X-ray chest at intervals of approximately 12 months or longer	Appropriate	8	+
	X-ray area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	X-ray area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	1	+
	X-ray area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	CT chest at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT chest at intervals of approximately 6 months	Rarely Appropriate	3	
	CT chest at intervals of approximately 12 months or longer	Appropriate	7	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+

	CT area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	
	MRI at intervals of approximately 3 months	Rarely Appropriate	2	+
	MRI at intervals of approximately 6 months	May Be Appropriate	4	
	MRI at intervals of approximately 12 months or longer	Appropriate	7	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 6 months	Rarely Appropriate	2	+
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	May Be Appropriate	4	
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 6 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 12 months or longer	Rarely Appropriate	2	+

Scenario 82	**Treatment**	**Appropriateness**	**Median Rating**	**Agreement**
High Risk of Metastatic Disease, Low Risk of Local Recurrence, Soft tissue, Low Extrapulmonary	X-ray chest at intervals of approximately 3 months	Appropriate	8	+
	X-ray chest at intervals of approximately 6 months	May Be Appropriate	6	

Metastatic Risk and no history, Pulmonary history of recurrence, < 2 years since treatment	X-ray chest at intervals of approximately 12 months or longer	Rarely Appropriate	3	+
	X-ray area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	X-ray area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+
	X-ray area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	CT chest at intervals of approximately 3 months	Appropriate	8	+
	CT chest at intervals of approximately 6 months	Appropriate	7	
	CT chest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	
	CT area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+
	CT area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	MRI at intervals of approximately 3 months	Rarely Appropriate	3	
	MRI at intervals of approximately 6 months	Appropriate	7	
	MRI at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 3 months	May Be Appropriate	4	
	FDG-PET/CT whole body at intervals of approximately 6 months	Rarely Appropriate	3	
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	

	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 6 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 12 months or longer	Rarely Appropriate	1	+

Scenario 83	**Treatment**	**Appropriateness**	**Median Rating**	**Agreement**
High Risk of Metastatic Disease, Low Risk of Local Recurrence, Soft tissue, Low Extrapulmonary Metastatic Risk and no history, Pulmonary history of recurrence, 2-5 years since treatment	X-ray chest at intervals of approximately 3 months	May Be Appropriate	4	
	X-ray chest at intervals of approximately 6 months	Appropriate	7	
	X-ray chest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	X-ray area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	X-ray area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+
	X-ray area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	CT chest at intervals of approximately 3 months	May Be Appropriate	5	
	CT chest at intervals of approximately 6 months	Appropriate	7	+
	CT chest at intervals of approximately 12 months or longer	May Be Appropriate	4	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	
	CT area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	
	MRI at intervals of approximately 3 months	Rarely Appropriate	3	+
	MRI at intervals of approximately 6 months	May Be Appropriate	6	

	MRI at intervals of approximately 12 months or longer	May Be Appropriate	4	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	2	+
	FDG-PET/CT whole body at intervals of approximately 6 months	May Be Appropriate	4	
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 6 months	Rarely Appropriate	2	+
	CT abdomen/pelvis at intervals of approximately 12 months or longer	Rarely Appropriate	1	+

Scenario 84	**Treatment**	**Appropriateness**	**Median Rating**	**Agreement**
High Risk of Metastatic Disease, Low Risk of Local Recurrence, Soft tissue, Low Extrapulmonary Metastatic Risk and no history, Pulmonary history of recurrence, >5 years since treatment	X-ray chest at intervals of approximately 3 months	Rarely Appropriate	3	+
	X-ray chest at intervals of approximately 6 months	May Be Appropriate	5	
	X-ray chest at intervals of approximately 12 months or longer	Appropriate	8	+
	X-ray area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	X-ray area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	1	+

	X-ray area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	CT chest at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT chest at intervals of approximately 6 months	May Be Appropriate	4	
	CT chest at intervals of approximately 12 months or longer	Appropriate	7	+
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+
	CT area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	
	MRI at intervals of approximately 3 months	Rarely Appropriate	2	+
	MRI at intervals of approximately 6 months	Rarely Appropriate	3	+
	MRI at intervals of approximately 12 months or longer	May Be Appropriate	5	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 6 months	Rarely Appropriate	3	+
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	

	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 6 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 12 months or longer	Rarely Appropriate	2	+

Scenario 85	Treatment	Appropriateness	Median Rating	Agreement
High Risk of Metastatic Disease, High Risk of Local Recurrence, Bone, Extrapulmonary Metastatic Risk or History, No history of recurrence, < 2 years since treatment	X-ray chest at intervals of approximately 3 months	Appropriate	7	
	X-ray chest at intervals of approximately 6 months	May Be Appropriate	5	
	X-ray chest at intervals of approximately 12 months or longer	Rarely Appropriate	3	+
	X-ray area(s) of interest at intervals of approximately 3 months	Appropriate	8	+
	X-ray area(s) of interest at intervals of approximately 6 months	May Be Appropriate	5	
	X-ray area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	3	+
	CT chest at intervals of approximately 3 months	Appropriate	7	
	CT chest at intervals of approximately 6 months	Appropriate	7	
	CT chest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	CT area(s) of interest at intervals of approximately 3 months	May Be Appropriate	4	
	CT area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	3	
	CT area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	MRI at intervals of approximately 3 months	May Be Appropriate	5	
	MRI at intervals of approximately 6 months	May Be Appropriate	5	
	MRI at intervals of approximately 12 months or longer	Rarely Appropriate	3	+
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	3	

	Tc-99m whole body bone scan at intervals of approximately 6 months	May Be Appropriate	4	
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	May Be Appropriate	4	
	FDG-PET/CT whole body at intervals of approximately 3 months	May Be Appropriate	4	
	FDG-PET/CT whole body at intervals of approximately 6 months	May Be Appropriate	5	
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	2	
	CT abdomen/pelvis at intervals of approximately 6 months	May Be Appropriate	5	
	CT abdomen/pelvis at intervals of approximately 12 months or longer	Rarely Appropriate	3	

Scenario 86	**Treatment**	**Appropriateness**	**Median Rating**	**Agreement**
High Risk of Metastatic Disease, High Risk of Local Recurrence, Bone, Extrapulmonary Metastatic Risk or History, No history of recurrence, 2-5 years since treatment	X-ray chest at intervals of approximately 3 months	May Be Appropriate	4	
	X-ray chest at intervals of approximately 6 months	Appropriate	8	+
	X-ray chest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	X-ray area(s) of interest at intervals of approximately 3 months	May Be Appropriate	4	
	X-ray area(s) of interest at intervals of approximately 6 months	Appropriate	8	+
	X-ray area(s) of interest at intervals of approximately 12 months or longer	May Be Appropriate	4	
	CT chest at intervals of approximately 3 months	Rarely Appropriate	3	

	CT chest at intervals of approximately 6 months	Appropriate	7	
	CT chest at intervals of approximately 12 months or longer	May Be Appropriate	5	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	3	+
	CT area(s) of interest at intervals of approximately 6 months	May Be Appropriate	5	
	CT area(s) of interest at intervals of approximately 12 months or longer	May Be Appropriate	4	
	MRI at intervals of approximately 3 months	Rarely Appropriate	3	
	MRI at intervals of approximately 6 months	May Be Appropriate	5	
	MRI at intervals of approximately 12 months or longer	May Be Appropriate	4	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	2	+
	Tc-99m whole body bone scan at intervals of approximately 6 months	May Be Appropriate	4	
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	May Be Appropriate	4	
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	3	+
	FDG-PET/CT whole body at intervals of approximately 6 months	May Be Appropriate	4	
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	May Be Appropriate	4	
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT abdomen/pelvis at intervals of approximately 6 months	May Be Appropriate	4	
	CT abdomen/pelvis at intervals of approximately 12 months or longer	May Be Appropriate	5	

Scenario 87	Treatment	Appropriateness	Median Rating	Agreement
High Risk of Metastatic Disease, High Risk of Local Recurrence, Bone, Extrapulmonary Metastatic Risk or History, No history of recurrence, >5 years since treatment	X-ray chest at intervals of approximately 3 months	Rarely Appropriate	2	+
	X-ray chest at intervals of approximately 6 months	May Be Appropriate	4	
	X-ray chest at intervals of approximately 12 months or longer	Appropriate	8	+
	X-ray area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	X-ray area(s) of interest at intervals of approximately 6 months	May Be Appropriate	4	
	X-ray area(s) of interest at intervals of approximately 12 months or longer	Appropriate	8	+
	CT chest at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT chest at intervals of approximately 6 months	Rarely Appropriate	3	
	CT chest at intervals of approximately 12 months or longer	Appropriate	7	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	3	+
	CT area(s) of interest at intervals of approximately 12 months or longer	May Be Appropriate	4	
	MRI at intervals of approximately 3 months	Rarely Appropriate	1	+
	MRI at intervals of approximately 6 months	Rarely Appropriate	2	+
	MRI at intervals of approximately 12 months or longer	May Be Appropriate	4	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	2	+
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	2	
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	1	+

	FDG-PET/CT whole body at intervals of approximately 6 months	Rarely Appropriate	2	+
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	May Be Appropriate	4	
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 6 months	Rarely Appropriate	2	+
	CT abdomen/pelvis at intervals of approximately 12 months or longer	May Be Appropriate	5	

Scenario 88	**Treatment**	**Appropriateness**	**Median Rating**	**Agreement**
High Risk of Metastatic Disease, High Risk of Local Recurrence, Bone, Extrapulmonary Metastatic Risk or History, Local history of recurrence, < 2 years since treatment	X-ray chest at intervals of approximately 3 months	Appropriate	7	
	X-ray chest at intervals of approximately 6 months	May Be Appropriate	5	
	X-ray chest at intervals of approximately 12 months or longer	Rarely Appropriate	3	+
	X-ray area(s) of interest at intervals of approximately 3 months	Appropriate	8	+
	X-ray area(s) of interest at intervals of approximately 6 months	May Be Appropriate	5	
	X-ray area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	3	+
	CT chest at intervals of approximately 3 months	Appropriate	7	
	CT chest at intervals of approximately 6 months	Appropriate	7	
	CT chest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	3	
	CT area(s) of interest at intervals of approximately 6 months	May Be Appropriate	4	

	CT area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	MRI at intervals of approximately 3 months	May Be Appropriate	5	
	MRI at intervals of approximately 6 months	May Be Appropriate	5	
	MRI at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	2	
	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	3	
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	FDG-PET/CT whole body at intervals of approximately 3 months	May Be Appropriate	4	
	FDG-PET/CT whole body at intervals of approximately 6 months	May Be Appropriate	5	
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	2	
	CT abdomen/pelvis at intervals of approximately 6 months	May Be Appropriate	5	
	CT abdomen/pelvis at intervals of approximately 12 months or longer	May Be Appropriate	4	

Scenario 89	**Treatment**	**Appropriateness**	**Median Rating**	**Agreement**
High Risk of Metastatic Disease, High Risk of Local Recurrence, Bone, Extrapulmonary Metastatic Risk or	X-ray chest at intervals of approximately 3 months	May Be Appropriate	4	
	X-ray chest at intervals of approximately 6 months	Appropriate	8	

History, Local history of recurrence, 2-5 years since treatment	X-ray chest at intervals of approximately 12 months or longer	May Be Appropriate	4	
	X-ray area(s) of interest at intervals of approximately 3 months	May Be Appropriate	5	
	X-ray area(s) of interest at intervals of approximately 6 months	Appropriate	8	+
	X-ray area(s) of interest at intervals of approximately 12 months or longer	May Be Appropriate	4	
	CT chest at intervals of approximately 3 months	Rarely Appropriate	3	
	CT chest at intervals of approximately 6 months	Appropriate	7	
	CT chest at intervals of approximately 12 months or longer	May Be Appropriate	5	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT area(s) of interest at intervals of approximately 6 months	May Be Appropriate	4	
	CT area(s) of interest at intervals of approximately 12 months or longer	May Be Appropriate	4	
	MRI at intervals of approximately 3 months	Rarely Appropriate	3	+
	MRI at intervals of approximately 6 months	May Be Appropriate	6	
	MRI at intervals of approximately 12 months or longer	May Be Appropriate	4	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	3	
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	May Be Appropriate	4	
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	2	+
	FDG-PET/CT whole body at intervals of approximately 6 months	May Be Appropriate	5	
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	May Be Appropriate	4	
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+

	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT abdomen/pelvis at intervals of approximately 6 months	May Be Appropriate	4	
	CT abdomen/pelvis at intervals of approximately 12 months or longer	May Be Appropriate	5	

Scenario 90	Treatment	Appropriateness	Median Rating	Agreement
High Risk of Metastatic Disease, High Risk of Local Recurrence, Bone, Extrapulmonary Metastatic Risk or History, Local history of recurrence, >5 years since treatment	X-ray chest at intervals of approximately 3 months	Rarely Appropriate	2	+
	X-ray chest at intervals of approximately 6 months	May Be Appropriate	5	
	X-ray chest at intervals of approximately 12 months or longer	Appropriate	8	+
	X-ray area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	X-ray area(s) of interest at intervals of approximately 6 months	May Be Appropriate	4	
	X-ray area(s) of interest at intervals of approximately 12 months or longer	Appropriate	8	+
	CT chest at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT chest at intervals of approximately 6 months	Rarely Appropriate	3	
	CT chest at intervals of approximately 12 months or longer	Appropriate	8	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	3	+
	CT area(s) of interest at intervals of approximately 12 months or longer	May Be Appropriate	4	
	MRI at intervals of approximately 3 months	Rarely Appropriate	1	+
	MRI at intervals of approximately 6 months	Rarely Appropriate	3	+

	MRI at intervals of approximately 12 months or longer	May Be Appropriate	5	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	May Be Appropriate	5	
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 6 months	Rarely Appropriate	2	+
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	May Be Appropriate	4	
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT abdomen/pelvis at intervals of approximately 6 months	Rarely Appropriate	2	+
	CT abdomen/pelvis at intervals of approximately 12 months or longer	May Be Appropriate	5	

Scenario 91	**Treatment**	**Appropriateness**	**Median Rating**	**Agreement**
High Risk of Metastatic Disease, High Risk of Local Recurrence, Bone, Extrapulmonary Metastatic Risk or History, Pulmonary history of recurrence, < 2 years since treatment	X-ray chest at intervals of approximately 3 months	May Be Appropriate	5	
	X-ray chest at intervals of approximately 6 months	May Be Appropriate	4	
	X-ray chest at intervals of approximately 12 months or longer	Rarely Appropriate	3	+
	X-ray area(s) of interest at intervals of approximately 3 months	Appropriate	8	+
	X-ray area(s) of interest at intervals of approximately 6 months	May Be Appropriate	5	

	X-ray area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	3	+
	CT chest at intervals of approximately 3 months	Appropriate	8	
	CT chest at intervals of approximately 6 months	Appropriate	7	
	CT chest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	3	
	CT area(s) of interest at intervals of approximately 6 months	May Be Appropriate	4	
	CT area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	MRI at intervals of approximately 3 months	May Be Appropriate	4	
	MRI at intervals of approximately 6 months	May Be Appropriate	5	
	MRI at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	2	
	Tc-99m whole body bone scan at intervals of approximately 6 months	May Be Appropriate	4	
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	3	
	FDG-PET/CT whole body at intervals of approximately 6 months	May Be Appropriate	5	
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	May Be Appropriate	4	
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	1	+

	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	2	
	CT abdomen/pelvis at intervals of approximately 6 months	May Be Appropriate	5	
	CT abdomen/pelvis at intervals of approximately 12 months or longer	Rarely Appropriate	3	

Scenario 92	Treatment	Appropriateness	Median Rating	Agreement
High Risk of Metastatic Disease, High Risk of Local Recurrence, Bone, Extrapulmonary Metastatic Risk or History, Pulmonary history of recurrence, 2-5 years since treatment	X-ray chest at intervals of approximately 3 months	May Be Appropriate	4	
	X-ray chest at intervals of approximately 6 months	Appropriate	7	
	X-ray chest at intervals of approximately 12 months or longer	May Be Appropriate	4	
	X-ray area(s) of interest at intervals of approximately 3 months	May Be Appropriate	4	
	X-ray area(s) of interest at intervals of approximately 6 months	Appropriate	8	+
	X-ray area(s) of interest at intervals of approximately 12 months or longer	May Be Appropriate	5	
	CT chest at intervals of approximately 3 months	Rarely Appropriate	3	
	CT chest at intervals of approximately 6 months	Appropriate	7	
	CT chest at intervals of approximately 12 months or longer	May Be Appropriate	5	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT area(s) of interest at intervals of approximately 6 months	May Be Appropriate	4	
	CT area(s) of interest at intervals of approximately 12 months or longer	May Be Appropriate	4	
	MRI at intervals of approximately 3 months	Rarely Appropriate	2	+
	MRI at intervals of approximately 6 months	May Be Appropriate	6	
	MRI at intervals of approximately 12 months or longer	May Be Appropriate	4	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	2	+

	Tc-99m whole body bone scan at intervals of approximately 6 months	May Be Appropriate	4	
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	May Be Appropriate	4	
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	2	+
	FDG-PET/CT whole body at intervals of approximately 6 months	May Be Appropriate	5	
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	May Be Appropriate	4	
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT abdomen/pelvis at intervals of approximately 6 months	May Be Appropriate	4	
	CT abdomen/pelvis at intervals of approximately 12 months or longer	May Be Appropriate	5	

Scenario 93	**Treatment**	**Appropriateness**	**Median Rating**	**Agreement**
High Risk of Metastatic Disease, High Risk of Local Recurrence, Bone, Extrapulmonary Metastatic Risk or History, Pulmonary history of recurrence, >5 years since treatment	X-ray chest at intervals of approximately 3 months	Rarely Appropriate	3	+
	X-ray chest at intervals of approximately 6 months	May Be Appropriate	5	
	X-ray chest at intervals of approximately 12 months or longer	Appropriate	8	+
	X-ray area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	3	+
	X-ray area(s) of interest at intervals of approximately 6 months	May Be Appropriate	5	
	X-ray area(s) of interest at intervals of approximately 12 months or longer	Appropriate	9	+
	CT chest at intervals of approximately 3 months	Rarely Appropriate	2	+

	CT chest at intervals of approximately 6 months	May Be Appropriate	5	
	CT chest at intervals of approximately 12 months or longer	Appropriate	8	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	3	+
	CT area(s) of interest at intervals of approximately 12 months or longer	May Be Appropriate	4	
	MRI at intervals of approximately 3 months	Rarely Appropriate	1	+
	MRI at intervals of approximately 6 months	Rarely Appropriate	3	
	MRI at intervals of approximately 12 months or longer	May Be Appropriate	5	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	2	+
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	May Be Appropriate	5	
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 6 months	Rarely Appropriate	3	+
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	May Be Appropriate	5	
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 6 months	Rarely Appropriate	2	+
	CT abdomen/pelvis at intervals of approximately 12 months or longer	May Be Appropriate	5	

Scenario 94	Treatment	Appropriateness	Median Rating	Agreement
High Risk of Metastatic Disease, High Risk of Local Recurrence, Bone, Low Extrapulmonary Metastatic Risk and no history, No history of recurrence, < 2 years since treatment	X-ray chest at intervals of approximately 3 months	Appropriate	7	
	X-ray chest at intervals of approximately 6 months	May Be Appropriate	5	
	X-ray chest at intervals of approximately 12 months or longer	Rarely Appropriate	3	+
	X-ray area(s) of interest at intervals of approximately 3 months	Appropriate	9	+
	X-ray area(s) of interest at intervals of approximately 6 months	May Be Appropriate	5	
	X-ray area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	3	+
	CT chest at intervals of approximately 3 months	Appropriate	7	
	CT chest at intervals of approximately 6 months	Appropriate	7	
	CT chest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	CT area(s) of interest at intervals of approximately 3 months	May Be Appropriate	4	
	CT area(s) of interest at intervals of approximately 6 months	May Be Appropriate	4	
	CT area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	MRI at intervals of approximately 3 months	May Be Appropriate	4	
	MRI at intervals of approximately 6 months	May Be Appropriate	5	-
	MRI at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	2	
	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	3	
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	2	

	FDG-PET/CT whole body at intervals of approximately 6 months	Rarely Appropriate	3	
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	Rarely Appropriate	3	+
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 6 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 12 months or longer	Rarely Appropriate	1	+

Scenario 95	**Treatment**	**Appropriateness**	**Median Rating**	**Agreement**
High Risk of Metastatic Disease, High Risk of Local Recurrence, Bone, Low Extrapulmonary Metastatic Risk and no history, No history of recurrence, 2-5 years since treatment	X-ray chest at intervals of approximately 3 months	May Be Appropriate	5	
	X-ray chest at intervals of approximately 6 months	Appropriate	8	+
	X-ray chest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	X-ray area(s) of interest at intervals of approximately 3 months	May Be Appropriate	5	
	X-ray area(s) of interest at intervals of approximately 6 months	Appropriate	8	+
	X-ray area(s) of interest at intervals of approximately 12 months or longer	May Be Appropriate	5	
	CT chest at intervals of approximately 3 months	Rarely Appropriate	3	
	CT chest at intervals of approximately 6 months	Appropriate	7	
	CT chest at intervals of approximately 12 months or longer	May Be Appropriate	6	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	3	+
	CT area(s) of interest at intervals of approximately 6 months	May Be Appropriate	5	

	CT area(s) of interest at intervals of approximately 12 months or longer	May Be Appropriate	4	
	MRI at intervals of approximately 3 months	Rarely Appropriate	3	+
	MRI at intervals of approximately 6 months	May Be Appropriate	5	
	MRI at intervals of approximately 12 months or longer	May Be Appropriate	4	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	2	+
	Tc-99m whole body bone scan at intervals of approximately 6 months	May Be Appropriate	4	
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	2	+
	FDG-PET/CT whole body at intervals of approximately 6 months	Rarely Appropriate	3	
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 6 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 12 months or longer	Rarely Appropriate	1	+

Scenario 96	**Treatment**	**Appropriateness**	**Median Rating**	**Agreement**
High Risk of Metastatic Disease, High Risk of Local Recurrence, Bone, Low Extrapulmonary Metastatic Risk and no	X-ray chest at intervals of approximately 3 months	Rarely Appropriate	2	+
	X-ray chest at intervals of approximately 6 months	May Be Appropriate	4	

history, No history of recurrence, >5 years since treatment	X-ray chest at intervals of approximately 12 months or longer	Appropriate	8	+
	X-ray area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	X-ray area(s) of interest at intervals of approximately 6 months	May Be Appropriate	4	
	X-ray area(s) of interest at intervals of approximately 12 months or longer	Appropriate	8	+
	CT chest at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT chest at intervals of approximately 6 months	Rarely Appropriate	3	
	CT chest at intervals of approximately 12 months or longer	Appropriate	7	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+
	CT area(s) of interest at intervals of approximately 12 months or longer	May Be Appropriate	4	
	MRI at intervals of approximately 3 months	Rarely Appropriate	1	+
	MRI at intervals of approximately 6 months	Rarely Appropriate	2	+
	MRI at intervals of approximately 12 months or longer	May Be Appropriate	4	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	2	
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 6 months	Rarely Appropriate	2	+
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	Rarely Appropriate	2	
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+

	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 6 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 12 months or longer	Rarely Appropriate	1	+

Scenario 97	Treatment	Appropriateness	Median Rating	Agreement
High Risk of Metastatic Disease, High Risk of Local Recurrence, Bone, Low Extrapulmonary Metastatic Risk and no history, Local history of recurrence, < 2 years since treatment	X-ray chest at intervals of approximately 3 months	Appropriate	7	
	X-ray chest at intervals of approximately 6 months	May Be Appropriate	5	
	X-ray chest at intervals of approximately 12 months or longer	Rarely Appropriate	3	+
	X-ray area(s) of interest at intervals of approximately 3 months	Appropriate	9	+
	X-ray area(s) of interest at intervals of approximately 6 months	May Be Appropriate	5	
	X-ray area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	3	+
	CT chest at intervals of approximately 3 months	Appropriate	8	
	CT chest at intervals of approximately 6 months	Appropriate	7	
	CT chest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	CT area(s) of interest at intervals of approximately 3 months	May Be Appropriate	4	
	CT area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	3	
	CT area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	3	+
	MRI at intervals of approximately 3 months	May Be Appropriate	5	
	MRI at intervals of approximately 6 months	May Be Appropriate	5	-

	MRI at intervals of approximately 12 months or longer	Rarely Appropriate	3	+
	Tc-99m whole body bone scan at intervals of approximately 3 months	May Be Appropriate	5	
	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	3	
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	3	
	FDG-PET/CT whole body at intervals of approximately 6 months	Rarely Appropriate	3	
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	Rarely Appropriate	3	+
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 6 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 12 months or longer	Rarely Appropriate	1	+

Scenario 98	**Treatment**	**Appropriateness**	**Median Rating**	**Agreement**
High Risk of Metastatic Disease, High Risk of Local Recurrence, Bone, Low Extrapulmonary Metastatic Risk and no history, Local history of recurrence, 2-5 years since treatment	X-ray chest at intervals of approximately 3 months	May Be Appropriate	5	
	X-ray chest at intervals of approximately 6 months	Appropriate	7	
	X-ray chest at intervals of approximately 12 months or longer	May Be Appropriate	5	
	X-ray area(s) of interest at intervals of approximately 3 months	May Be Appropriate	5	
	X-ray area(s) of interest at intervals of approximately 6 months	Appropriate	8	+

	X-ray area(s) of interest at intervals of approximately 12 months or longer	May Be Appropriate	5	
	CT chest at intervals of approximately 3 months	May Be Appropriate	4	
	CT chest at intervals of approximately 6 months	Appropriate	8	+
	CT chest at intervals of approximately 12 months or longer	May Be Appropriate	5	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	3	+
	CT area(s) of interest at intervals of approximately 6 months	May Be Appropriate	5	
	CT area(s) of interest at intervals of approximately 12 months or longer	May Be Appropriate	4	
	MRI at intervals of approximately 3 months	Rarely Appropriate	3	+
	MRI at intervals of approximately 6 months	May Be Appropriate	6	
	MRI at intervals of approximately 12 months or longer	May Be Appropriate	5	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 6 months	May Be Appropriate	4	
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	2	+
	FDG-PET/CT whole body at intervals of approximately 6 months	May Be Appropriate	5	
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	1	+

	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 6 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 12 months or longer	Rarely Appropriate	1	+

Scenario 99	Treatment	Appropriateness	Median Rating	Agreement
High Risk of Metastatic Disease, High Risk of Local Recurrence, Bone, Low Extrapulmonary Metastatic Risk and no history, Local history of recurrence, >5 years since treatment	X-ray chest at intervals of approximately 3 months	Rarely Appropriate	2	+
	X-ray chest at intervals of approximately 6 months	May Be Appropriate	5	
	X-ray chest at intervals of approximately 12 months or longer	Appropriate	7	+
	X-ray area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	X-ray area(s) of interest at intervals of approximately 6 months	May Be Appropriate	5	
	X-ray area(s) of interest at intervals of approximately 12 months or longer	Appropriate	8	+
	CT chest at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT chest at intervals of approximately 6 months	Rarely Appropriate	3	
	CT chest at intervals of approximately 12 months or longer	Appropriate	8	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+
	CT area(s) of interest at intervals of approximately 12 months or longer	May Be Appropriate	4	
	MRI at intervals of approximately 3 months	Rarely Appropriate	1	+
	MRI at intervals of approximately 6 months	Rarely Appropriate	3	
	MRI at intervals of approximately 12 months or longer	May Be Appropriate	5	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	1	+

	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	2	
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 6 months	Rarely Appropriate	2	+
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	May Be Appropriate	4	
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 6 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 12 months or longer	Rarely Appropriate	1	+

Scenario 100	**Treatment**	**Appropriateness**	**Median Rating**	**Agreement**
High Risk of Metastatic Disease, High Risk of Local Recurrence, Bone, Low Extrapulmonary Metastatic Risk and no history, Pulmonary history of recurrence, < 2 years since treatment	X-ray chest at intervals of approximately 3 months	May Be Appropriate	5	
	X-ray chest at intervals of approximately 6 months	May Be Appropriate	5	
	X-ray chest at intervals of approximately 12 months or longer	Rarely Appropriate	3	+
	X-ray area(s) of interest at intervals of approximately 3 months	Appropriate	9	+
	X-ray area(s) of interest at intervals of approximately 6 months	May Be Appropriate	5	
	X-ray area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	CT chest at intervals of approximately 3 months	Appropriate	8	+

	CT chest at intervals of approximately 6 months	May Be Appropriate	6	
	CT chest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	CT area(s) of interest at intervals of approximately 3 months	May Be Appropriate	4	
	CT area(s) of interest at intervals of approximately 6 months	May Be Appropriate	4	
	CT area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	MRI at intervals of approximately 3 months	May Be Appropriate	4	
	MRI at intervals of approximately 6 months	May Be Appropriate	5	
	MRI at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	Tc-99m whole body bone scan at intervals of approximately 3 months	May Be Appropriate	4	
	Tc-99m whole body bone scan at intervals of approximately 6 months	May Be Appropriate	4	
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	3	
	FDG-PET/CT whole body at intervals of approximately 6 months	May Be Appropriate	4	
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 6 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 12 months or longer	Rarely Appropriate	1	+

Scenario 101	Treatment	Appropriateness	Median Rating	Agreement
High Risk of Metastatic Disease, High Risk of Local Recurrence, Bone, Low Extrapulmonary Metastatic Risk and no history, Pulmonary history of recurrence, 2-5 years since treatment	X-ray chest at intervals of approximately 3 months	May Be Appropriate	5	
	X-ray chest at intervals of approximately 6 months	Appropriate	7	
	X-ray chest at intervals of approximately 12 months or longer	May Be Appropriate	5	
	X-ray area(s) of interest at intervals of approximately 3 months	May Be Appropriate	5	
	X-ray area(s) of interest at intervals of approximately 6 months	Appropriate	8	+
	X-ray area(s) of interest at intervals of approximately 12 months or longer	May Be Appropriate	4	
	CT chest at intervals of approximately 3 months	Rarely Appropriate	3	
	CT chest at intervals of approximately 6 months	Appropriate	8	+
	CT chest at intervals of approximately 12 months or longer	May Be Appropriate	5	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	3	+
	CT area(s) of interest at intervals of approximately 6 months	May Be Appropriate	5	
	CT area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	MRI at intervals of approximately 3 months	Rarely Appropriate	3	+
	MRI at intervals of approximately 6 months	May Be Appropriate	5	
	MRI at intervals of approximately 12 months or longer	May Be Appropriate	4	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	2	+
	Tc-99m whole body bone scan at intervals of approximately 6 months	May Be Appropriate	4	
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	2	+

	FDG-PET/CT whole body at intervals of approximately 6 months	Rarely Appropriate	3	
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	Rarely Appropriate	2	
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 6 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 12 months or longer	Rarely Appropriate	1	+

Scenario 102	**Treatment**	**Appropriateness**	**Median Rating**	**Agreement**
High Risk of Metastatic Disease, High Risk of Local Recurrence, Bone, Low Extrapulmonary Metastatic Risk and no history, Pulmonary history of recurrence, >5 years since treatment	X-ray chest at intervals of approximately 3 months	Rarely Appropriate	3	+
	X-ray chest at intervals of approximately 6 months	May Be Appropriate	4	
	X-ray chest at intervals of approximately 12 months or longer	Appropriate	7	
	X-ray area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	X-ray area(s) of interest at intervals of approximately 6 months	May Be Appropriate	4	
	X-ray area(s) of interest at intervals of approximately 12 months or longer	Appropriate	8	+
	CT chest at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT chest at intervals of approximately 6 months	Rarely Appropriate	3	
	CT chest at intervals of approximately 12 months or longer	Appropriate	8	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+

	CT area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	MRI at intervals of approximately 3 months	Rarely Appropriate	1	+
	MRI at intervals of approximately 6 months	Rarely Appropriate	3	+
	MRI at intervals of approximately 12 months or longer	May Be Appropriate	5	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	2	+
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 6 months	Rarely Appropriate	2	+
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	May Be Appropriate	5	
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 6 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 12 months or longer	Rarely Appropriate	1	+

Scenario 103	**Treatment**	**Appropriateness**	**Median Rating**	**Agreement**
High Risk of Metastatic Disease, High Risk of Local Recurrence, Soft tissue, Extrapulmonary Metastatic Risk or	X-ray chest at intervals of approximately 3 months	Appropriate	8	+
	X-ray chest at intervals of approximately 6 months	May Be Appropriate	6	

History, No history of recurrence, < 2 years since treatment	X-ray chest at intervals of approximately 12 months or longer	Rarely Appropriate	3	+
	X-ray area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	X-ray area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+
	X-ray area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	CT chest at intervals of approximately 3 months	Appropriate	7	
	CT chest at intervals of approximately 6 months	Appropriate	7	
	CT chest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	3	+
	CT area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	3	+
	MRI at intervals of approximately 3 months	Appropriate	5	-
	MRI at intervals of approximately 6 months	Appropriate	7	
	MRI at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 3 months	May Be Appropriate	4	
	FDG-PET/CT whole body at intervals of approximately 6 months	May Be Appropriate	5	
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	

	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	CT abdomen/pelvis at intervals of approximately 3 months	May Be Appropriate	4	
	CT abdomen/pelvis at intervals of approximately 6 months	May Be Appropriate	5	
	CT abdomen/pelvis at intervals of approximately 12 months or longer	May Be Appropriate	4	

Scenario 104	Treatment	Appropriateness	Median Rating	Agreement
High Risk of Metastatic Disease, High Risk of Local Recurrence, Soft tissue, Extrapulmonary Metastatic Risk or History, No history of recurrence, 2-5 years since treatment	X-ray chest at intervals of approximately 3 months	May Be Appropriate	4	
	X-ray chest at intervals of approximately 6 months	Appropriate	7	+
	X-ray chest at intervals of approximately 12 months or longer	May Be Appropriate	4	
	X-ray area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	X-ray area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+
	X-ray area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	CT chest at intervals of approximately 3 months	Rarely Appropriate	3	
	CT chest at intervals of approximately 6 months	Appropriate	7	+
	CT chest at intervals of approximately 12 months or longer	May Be Appropriate	5	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+
	CT area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	MRI at intervals of approximately 3 months	Rarely Appropriate	3	+
	MRI at intervals of approximately 6 months	May Be Appropriate	6	

	MRI at intervals of approximately 12 months or longer	May Be Appropriate	5	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	2	+
	FDG-PET/CT whole body at intervals of approximately 6 months	May Be Appropriate	5	
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	May Be Appropriate	4	
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	3	
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT abdomen/pelvis at intervals of approximately 6 months	May Be Appropriate	4	
	CT abdomen/pelvis at intervals of approximately 12 months or longer	May Be Appropriate	5	

Scenario 105	**Treatment**	**Appropriateness**	**Median Rating**	**Agreement**
High Risk of Metastatic Disease, High Risk of Local Recurrence, Soft tissue, Extrapulmonary Metastatic Risk or History, No history of recurrence, >5 years since treatment	X-ray chest at intervals of approximately 3 months	Rarely Appropriate	3	+
	X-ray chest at intervals of approximately 6 months	Rarely Appropriate	3	
	X-ray chest at intervals of approximately 12 months or longer	Appropriate	8	+
	X-ray area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	X-ray area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+

	X-ray area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	CT chest at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT chest at intervals of approximately 6 months	Rarely Appropriate	3	
	CT chest at intervals of approximately 12 months or longer	Appropriate	7	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+
	CT area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	
	MRI at intervals of approximately 3 months	Rarely Appropriate	2	+
	MRI at intervals of approximately 6 months	Rarely Appropriate	3	+
	MRI at intervals of approximately 12 months or longer	May Be Appropriate	6	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 6 months	Rarely Appropriate	2	+
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	May Be Appropriate	5	
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	

	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 6 months	Rarely Appropriate	2	+
	CT abdomen/pelvis at intervals of approximately 12 months or longer	May Be Appropriate	5	

Scenario 106	Treatment	Appropriateness	Median Rating	Agreement
High Risk of Metastatic Disease, High Risk of Local Recurrence, Soft tissue, Extrapulmonary Metastatic Risk or History, Local history of recurrence, < 2 years since treatment	X-ray chest at intervals of approximately 3 months	Appropriate	8	+
	X-ray chest at intervals of approximately 6 months	May Be Appropriate	4	
	X-ray chest at intervals of approximately 12 months or longer	Rarely Appropriate	3	+
	X-ray area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	X-ray area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+
	X-ray area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	CT chest at intervals of approximately 3 months	Appropriate	7	+
	CT chest at intervals of approximately 6 months	Appropriate	7	
	CT chest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	3	
	CT area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	3	+
	MRI at intervals of approximately 3 months	Appropriate	7	
	MRI at intervals of approximately 6 months	Appropriate	7	
	MRI at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	1	+

	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 3 months	May Be Appropriate	4	
	FDG-PET/CT whole body at intervals of approximately 6 months	May Be Appropriate	5	
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	May Be Appropriate	4	
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	3	
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	CT abdomen/pelvis at intervals of approximately 3 months	May Be Appropriate	4	
	CT abdomen/pelvis at intervals of approximately 6 months	May Be Appropriate	5	-
	CT abdomen/pelvis at intervals of approximately 12 months or longer	May Be Appropriate	4	

Scenario 107	**Treatment**	**Appropriateness**	**Median Rating**	**Agreement**
High Risk of Metastatic Disease, High Risk of Local Recurrence, Soft tissue, Extrapulmonary Metastatic Risk or History, Local history of recurrence, 2-5 years since treatment	X-ray chest at intervals of approximately 3 months	Rarely Appropriate	3	
	X-ray chest at intervals of approximately 6 months	Appropriate	7	
	X-ray chest at intervals of approximately 12 months or longer	May Be Appropriate	5	
	X-ray area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	X-ray area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+
	X-ray area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	CT chest at intervals of approximately 3 months	Rarely Appropriate	3	

	CT chest at intervals of approximately 6 months	Appropriate	7	
	CT chest at intervals of approximately 12 months or longer	May Be Appropriate	5	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	
	CT area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	
	MRI at intervals of approximately 3 months	Rarely Appropriate	3	
	MRI at intervals of approximately 6 months	Appropriate	7	
	MRI at intervals of approximately 12 months or longer	May Be Appropriate	4	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	3	+
	FDG-PET/CT whole body at intervals of approximately 6 months	May Be Appropriate	5	
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	May Be Appropriate	4	
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT abdomen/pelvis at intervals of approximately 6 months	May Be Appropriate	5	
	CT abdomen/pelvis at intervals of approximately 12 months or longer	May Be Appropriate	4	

Scenario 108	Treatment	Appropriateness	Median Rating	Agreement
High Risk of Metastatic Disease, High Risk of Local Recurrence, Soft tissue, Extrapulmonary Metastatic Risk or History, Local history of recurrence, >5 years since treatment	X-ray chest at intervals of approximately 3 months	Rarely Appropriate	3	+
	X-ray chest at intervals of approximately 6 months	May Be Appropriate	4	
	X-ray chest at intervals of approximately 12 months or longer	Appropriate	8	+
	X-ray area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	X-ray area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	1	+
	X-ray area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	CT chest at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT chest at intervals of approximately 6 months	Rarely Appropriate	3	
	CT chest at intervals of approximately 12 months or longer	Appropriate	7	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+
	CT area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	
	MRI at intervals of approximately 3 months	Rarely Appropriate	2	+
	MRI at intervals of approximately 6 months	Rarely Appropriate	3	
	MRI at intervals of approximately 12 months or longer	Appropriate	7	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	2	+

	FDG-PET/CT whole body at intervals of approximately 6 months	Rarely Appropriate	3	+
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	May Be Appropriate	5	
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 6 months	Rarely Appropriate	2	+
	CT abdomen/pelvis at intervals of approximately 12 months or longer	May Be Appropriate	5	

Scenario 109	**Treatment**	**Appropriateness**	**Median Rating**	**Agreement**
High Risk of Metastatic Disease, High Risk of Local Recurrence, Soft tissue, Extrapulmonary Metastatic Risk or History, Pulmonary history of recurrence, < 2 years since treatment	X-ray chest at intervals of approximately 3 months	Appropriate	7	+
	X-ray chest at intervals of approximately 6 months	Rarely Appropriate	5	-
	X-ray chest at intervals of approximately 12 months or longer	Rarely Appropriate	3	+
	X-ray area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	X-ray area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+
	X-ray area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	CT chest at intervals of approximately 3 months	Appropriate	8	+
	CT chest at intervals of approximately 6 months	May Be Appropriate	6	
	CT chest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	
	CT area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	3	

	CT area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	MRI at intervals of approximately 3 months	Appropriate	7	
	MRI at intervals of approximately 6 months	Appropriate	7	
	MRI at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 3 months	May Be Appropriate	4	
	FDG-PET/CT whole body at intervals of approximately 6 months	May Be Appropriate	5	
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	May Be Appropriate	4	
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 3 months	May Be Appropriate	4	
	CT abdomen/pelvis at intervals of approximately 6 months	May Be Appropriate	5	
	CT abdomen/pelvis at intervals of approximately 12 months or longer	May Be Appropriate	4	

Scenario 110	**Treatment**	**Appropriateness**	**Median Rating**	**Agreement**
High Risk of Metastatic Disease, High Risk of Local Recurrence, Soft tissue, Extrapulmonary Metastatic Risk or	X-ray chest at intervals of approximately 3 months	May Be Appropriate	5	
	X-ray chest at intervals of approximately 6 months	Appropriate	7	

History, Pulmonary history of recurrence, 2-5 years since treatment	X-ray chest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	X-ray area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	X-ray area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+
	X-ray area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	CT chest at intervals of approximately 3 months	May Be Appropriate	5	
	CT chest at intervals of approximately 6 months	Appropriate	8	
	CT chest at intervals of approximately 12 months or longer	May Be Appropriate	4	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	
	CT area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	MRI at intervals of approximately 3 months	Rarely Appropriate	3	+
	MRI at intervals of approximately 6 months	Appropriate	7	
	MRI at intervals of approximately 12 months or longer	May Be Appropriate	5	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	2	+
	FDG-PET/CT whole body at intervals of approximately 6 months	May Be Appropriate	5	
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	May Be Appropriate	4	
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+

	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT abdomen/pelvis at intervals of approximately 6 months	May Be Appropriate	5	
	CT abdomen/pelvis at intervals of approximately 12 months or longer	May Be Appropriate	5	

Scenario 111	Treatment	Appropriateness	Median Rating	Agreement
High Risk of Metastatic Disease, High Risk of Local Recurrence, Soft tissue, Extrapulmonary Metastatic Risk or History, Pulmonary history of recurrence, >5 years since treatment	X-ray chest at intervals of approximately 3 months	Rarely Appropriate	3	+
	X-ray chest at intervals of approximately 6 months	May Be Appropriate	4	
	X-ray chest at intervals of approximately 12 months or longer	Appropriate	8	+
	X-ray area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	X-ray area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+
	X-ray area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	CT chest at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT chest at intervals of approximately 6 months	Rarely Appropriate	3	
	CT chest at intervals of approximately 12 months or longer	Appropriate	7	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+
	CT area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	
	MRI at intervals of approximately 3 months	Rarely Appropriate	1	+
	MRI at intervals of approximately 6 months	Rarely Appropriate	3	

	MRI at intervals of approximately 12 months or longer	Appropriate	7	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	2	+
	FDG-PET/CT whole body at intervals of approximately 6 months	Rarely Appropriate	3	+
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	May Be Appropriate	5	
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 6 months	Rarely Appropriate	2	+
	CT abdomen/pelvis at intervals of approximately 12 months or longer	May Be Appropriate	5	

Scenario 112	**Treatment**	**Appropriateness**	**Median Rating**	**Agreement**
High Risk of Metastatic Disease, High Risk of Local Recurrence, Soft tissue, Low Extrapulmonary Metastatic Risk and no history, No history of recurrence, < 2 years since treatment	X-ray chest at intervals of approximately 3 months	Appropriate	7	+
	X-ray chest at intervals of approximately 6 months	May Be Appropriate	5	
	X-ray chest at intervals of approximately 12 months or longer	Rarely Appropriate	3	+
	X-ray area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	X-ray area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+

	X-ray area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	CT chest at intervals of approximately 3 months	Appropriate	7	
	CT chest at intervals of approximately 6 months	Appropriate	7	
	CT chest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	
	CT area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	
	CT area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	MRI at intervals of approximately 3 months	Appropriate	7	
	MRI at intervals of approximately 6 months	Appropriate	7	
	MRI at intervals of approximately 12 months or longer	Rarely Appropriate	3	+
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	3	
	FDG-PET/CT whole body at intervals of approximately 6 months	Rarely Appropriate	3	
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+

	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 6 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 12 months or longer	Rarely Appropriate	1	+

Scenario 113	Treatment	Appropriateness	Median Rating	Agreement
High Risk of Metastatic Disease, High Risk of Local Recurrence, Soft tissue, Low Extrapulmonary Metastatic Risk and no history, No history of recurrence, 2-5 years since treatment	X-ray chest at intervals of approximately 3 months	May Be Appropriate	4	
	X-ray chest at intervals of approximately 6 months	Appropriate	7	+
	X-ray chest at intervals of approximately 12 months or longer	May Be Appropriate	4	
	X-ray area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	X-ray area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+
	X-ray area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	CT chest at intervals of approximately 3 months	Rarely Appropriate	3	
	CT chest at intervals of approximately 6 months	Appropriate	7	
	CT chest at intervals of approximately 12 months or longer	May Be Appropriate	5	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	
	CT area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	MRI at intervals of approximately 3 months	Rarely Appropriate	3	
	MRI at intervals of approximately 6 months	Appropriate	7	
	MRI at intervals of approximately 12 months or longer	May Be Appropriate	5	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	1	+

	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	2	+
	FDG-PET/CT whole body at intervals of approximately 6 months	May Be Appropriate	4	
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	3	
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 6 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 12 months or longer	Rarely Appropriate	1	+

Scenario 114	**Treatment**	**Appropriateness**	**Median Rating**	**Agreement**
High Risk of Metastatic Disease, High Risk of Local Recurrence, Soft tissue, Low Extrapulmonary Metastatic Risk and no history, No history of recurrence, >5 years since treatment	X-ray chest at intervals of approximately 3 months	Rarely Appropriate	3	+
	X-ray chest at intervals of approximately 6 months	May Be Appropriate	4	
	X-ray chest at intervals of approximately 12 months or longer	Appropriate	8	+
	X-ray area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	X-ray area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	1	+
	X-ray area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	CT chest at intervals of approximately 3 months	Rarely Appropriate	1	+

	CT chest at intervals of approximately 6 months	Rarely Appropriate	3	
	CT chest at intervals of approximately 12 months or longer	Appropriate	7	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+
	CT area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	
	MRI at intervals of approximately 3 months	Rarely Appropriate	2	+
	MRI at intervals of approximately 6 months	Rarely Appropriate	3	
	MRI at intervals of approximately 12 months or longer	May Be Appropriate	6	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 6 months	Rarely Appropriate	2	+
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 6 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 12 months or longer	Rarely Appropriate	1	+

Scenario 115	Treatment	Appropriateness	Median Rating	Agreement
High Risk of Metastatic Disease, High Risk of Local Recurrence, Soft tissue, Low Extrapulmonary Metastatic Risk and no history, Local history of recurrence, < 2 years since treatment	X-ray chest at intervals of approximately 3 months	Appropriate	8	+
	X-ray chest at intervals of approximately 6 months	May Be Appropriate	6	
	X-ray chest at intervals of approximately 12 months or longer	Rarely Appropriate	3	+
	X-ray area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	X-ray area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+
	X-ray area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	CT chest at intervals of approximately 3 months	Appropriate	7	
	CT chest at intervals of approximately 6 months	May Be Appropriate	6	
	CT chest at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	
	CT area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	
	CT area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	MRI at intervals of approximately 3 months	Appropriate	7	
	MRI at intervals of approximately 6 months	Appropriate	7	
	MRI at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 3 months	May Be Appropriate	4	

	FDG-PET/CT whole body at intervals of approximately 6 months	Rarely Appropriate	3	
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 6 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 12 months or longer	Rarely Appropriate	1	+

Scenario 116	**Treatment**	**Appropriateness**	**Median Rating**	**Agreement**
High Risk of Metastatic Disease, High Risk of Local Recurrence, Soft tissue, Low Extrapulmonary Metastatic Risk and no history, Local history of recurrence, 2-5 years since treatment	X-ray chest at intervals of approximately 3 months	Rarely Appropriate	3	
	X-ray chest at intervals of approximately 6 months	Appropriate	7	
	X-ray chest at intervals of approximately 12 months or longer	May Be Appropriate	4	
	X-ray area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	X-ray area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	1	+
	X-ray area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	CT chest at intervals of approximately 3 months	Rarely Appropriate	3	
	CT chest at intervals of approximately 6 months	Appropriate	7	+
	CT chest at intervals of approximately 12 months or longer	May Be Appropriate	4	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	

	CT area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	MRI at intervals of approximately 3 months	May Be Appropriate	4	
	MRI at intervals of approximately 6 months	Appropriate	7	+
	MRI at intervals of approximately 12 months or longer	May Be Appropriate	5	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	2	+
	FDG-PET/CT whole body at intervals of approximately 6 months	May Be Appropriate	5	
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 6 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 12 months or longer	Rarely Appropriate	1	+

Scenario 117	**Treatment**	**Appropriateness**	**Median Rating**	**Agreement**
High Risk of Metastatic Disease, High Risk of Local Recurrence, Soft tissue, Low Extrapulmonary	X-ray chest at intervals of approximately 3 months	Rarely Appropriate	3	+
	X-ray chest at intervals of approximately 6 months	May Be Appropriate	4	

Metastatic Risk and no history, Local history of recurrence, >5 years since treatment	X-ray chest at intervals of approximately 12 months or longer	Appropriate	8	
	X-ray area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	X-ray area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+
	X-ray area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	CT chest at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT chest at intervals of approximately 6 months	Rarely Appropriate	3	
	CT chest at intervals of approximately 12 months or longer	Appropriate	7	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+
	CT area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	
	MRI at intervals of approximately 3 months	Rarely Appropriate	2	+
	MRI at intervals of approximately 6 months	Rarely Appropriate	3	
	MRI at intervals of approximately 12 months or longer	Appropriate	7	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 6 months	Rarely Appropriate	2	+
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	May Be Appropriate	4	
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+

	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 6 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 12 months or longer	Rarely Appropriate	1	+

Scenario 118	**Treatment**	**Appropriateness**	**Median Rating**	**Agreement**
High Risk of Metastatic Disease, High Risk of Local Recurrence, Soft tissue, Low Extrapulmonary Metastatic Risk and no history, Pulmonary history of recurrence, < 2 years since treatment	X-ray chest at intervals of approximately 3 months	Appropriate	7	+
	X-ray chest at intervals of approximately 6 months	Rarely Appropriate	3	
	X-ray chest at intervals of approximately 12 months or longer	Rarely Appropriate	3	+
	X-ray area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	X-ray area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	1	+
	X-ray area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	CT chest at intervals of approximately 3 months	Appropriate	8	+
	CT chest at intervals of approximately 6 months	Appropriate	7	
	CT chest at intervals of approximately 12 months or longer	Rarely Appropriate	3	+
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	
	CT area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	
	CT area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	MRI at intervals of approximately 3 months	Appropriate	7	
	MRI at intervals of approximately 6 months	Appropriate	7	

	MRI at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 3 months	May Be Appropriate	4	
	FDG-PET/CT whole body at intervals of approximately 6 months	Rarely Appropriate	3	
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 6 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 12 months or longer	Rarely Appropriate	1	+

Scenario 119	**Treatment**	**Appropriateness**	**Median Rating**	**Agreement**
High Risk of Metastatic Disease, High Risk of Local Recurrence, Soft tissue, Low Extrapulmonary Metastatic Risk and no history, Pulmonary history of recurrence, 2-5 years since treatment	X-ray chest at intervals of approximately 3 months	May Be Appropriate	5	
	X-ray chest at intervals of approximately 6 months	Appropriate	7	+
	X-ray chest at intervals of approximately 12 months or longer	May Be Appropriate	4	
	X-ray area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	X-ray area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+

	X-ray area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	CT chest at intervals of approximately 3 months	May Be Appropriate	5	
	CT chest at intervals of approximately 6 months	Appropriate	8	+
	CT chest at intervals of approximately 12 months or longer	May Be Appropriate	4	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	
	CT area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	MRI at intervals of approximately 3 months	Rarely Appropriate	3	
	MRI at intervals of approximately 6 months	Appropriate	7	
	MRI at intervals of approximately 12 months or longer	May Be Appropriate	4	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	2	+
	FDG-PET/CT whole body at intervals of approximately 6 months	May Be Appropriate	4	
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	Rarely Appropriate	3	
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	2	+
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	3	
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+

	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 6 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 12 months or longer	Rarely Appropriate	1	+

Scenario 120	Treatment	Appropriateness	Median Rating	Agreement
High Risk of Metastatic Disease, High Risk of Local Recurrence, Soft tissue, Low Extrapulmonary Metastatic Risk and no history, Pulmonary history of recurrence, >5 years since treatment	X-ray chest at intervals of approximately 3 months	Rarely Appropriate	3	+
	X-ray chest at intervals of approximately 6 months	May Be Appropriate	4	
	X-ray chest at intervals of approximately 12 months or longer	Appropriate	8	+
	X-ray area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	X-ray area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	1	+
	X-ray area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	+
	CT chest at intervals of approximately 3 months	Rarely Appropriate	2	+
	CT chest at intervals of approximately 6 months	May Be Appropriate	4	
	CT chest at intervals of approximately 12 months or longer	Appropriate	8	
	CT area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+
	CT area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	
	MRI at intervals of approximately 3 months	Rarely Appropriate	2	+
	MRI at intervals of approximately 6 months	Rarely Appropriate	3	+
	MRI at intervals of approximately 12 months or longer	May Be Appropriate	6	
	Tc-99m whole body bone scan at intervals of approximately 3 months	Rarely Appropriate	1	+

	Tc-99m whole body bone scan at intervals of approximately 6 months	Rarely Appropriate	1	+
	Tc-99m whole body bone scan at intervals of approximately 12 months or longer	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 3 months	Rarely Appropriate	1	+
	FDG-PET/CT whole body at intervals of approximately 6 months	Rarely Appropriate	2	+
	FDG-PET/CT whole body at intervals of approximately 12 months or longer	May Be Appropriate	4	
	Ultrasound area(s) of interest at intervals of approximately 3 months	Rarely Appropriate	1	+
	Ultrasound area(s) of interest at intervals of approximately 6 months	Rarely Appropriate	2	+
	Ultrasound area(s) of interest at intervals of approximately 12 months or longer	Rarely Appropriate	2	
	CT abdomen/pelvis at intervals of approximately 3 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 6 months	Rarely Appropriate	1	+
	CT abdomen/pelvis at intervals of approximately 12 months or longer	Rarely Appropriate	1	+

IV. APPENDICES

APPENDIX A. LITERATURE REVIEW

Surveillance of Local Recurrence and Distant Metastasis after Surgical Treatment of Bone and Soft Tissue Sarcomas Appropriate Use Criteria: Literature Review

Overview of Contents:

AAOS Research Methodology – overview of how studies were included, analyzed, and appraised for quality
Preliminary Conclusions – qualitative conclusions regarding the data as interpreted by the research analysts
Graphical summary – diagnostic accuracy comparison of imaging data for each author
Data tables – all qualitative and quantitative findings extracted for each author

Overview

The following data and conclusions are based on a systematic review of published studies regarding the diagnosis of recurrent or metastases of bone or soft tissue tumors during the period of post-operative surveillance. This review is intended to be used by all qualified and appropriately trained physicians and surgeons involved in the diagnosis or management of musculoskeletal tumors. It is also intended to serve as an information resource for decision makers and developers of appropriate use criteria.

INCLUSION/EXCLUSION CRITERIA

- Article must be a full article report of a clinical study.
- Retrospective non-comparative case series, medical records review, meeting abstracts, historical articles, editorials, letters, and commentaries are excluded.
- Confounded studies (i.e. studies that give patients the treatment of interest AND another treatment) are excluded.
- Case series studies that have non-consecutive enrollment of patients are excluded.
- Controlled trials in which patients were not stochastically assigned to groups AND in which there was either a difference in patient characteristics or outcomes at baseline AND where the authors did not statistically adjust for these differences when analyzing the results are excluded.
- All studies of "Very Low" quality of evidence are excluded.
- Study must appear in a peer-reviewed publication
- For any included study that uses "paper-and-pencil" outcome measures (e.g., SF-36), only those outcome measures that have been validated will be included
- For any given follow-up time point in any included study, there must be ≥ 50% patient follow-up (if the follow-up is >50% but <80%, the study quality will be downgraded by one Level)
- Study must be of humans
- Study must be published in English
- Study results must be quantitatively presented
- Study must not be an in vitro study
- Study must not be a biomechanical study
- Study must not have been performed on cadavers

METHODS FOR EVALUATING QUALITY

The AAOS assesses quality based on an automated numerical scoring process to arrive at final ratings. Extensive measures are taken to determine quality ratings so that they are free of bias. We evaluate the quality of evidence separately for each study using modified versions of the GRADE, QUIPS, and QUADAS instruments depending on the type of study design (i.e. diagnostic, prognostic, randomized control trial, or observational). The study design is evaluated using a list of standardized questions (see below for the domains evaluated for this project).

Diagnostic Quality Appraisal Questions

The following questions are used to evaluate the study quality of diagnostic study designs.

1. Was the patient spectrum representative of the patients who will receive the test in practice?
2. Were the selection criteria clearly described?
3. Was the execution of the index and reference tests described in sufficient detail to permit its replication?
4. Is the reference standard likely to correctly classify the target condition?
5. Are the index test(s) results interpreted by an examiner without the knowledge of the reference tests results (or vice versa)?
6. Other Bias (including funding/conflict of interest, varying time between diagnostic tests, etc.)?

Diagnostic Study Design Quality Key

High Quality Study	<1 Flaw
Moderate Quality Study	≥1 and <2 Flaws
Low Quality Study	≥2 and <3 Flaws
Very Low Quality Study	≥3 Flaws

DATA EXTRACTION SUMMARY

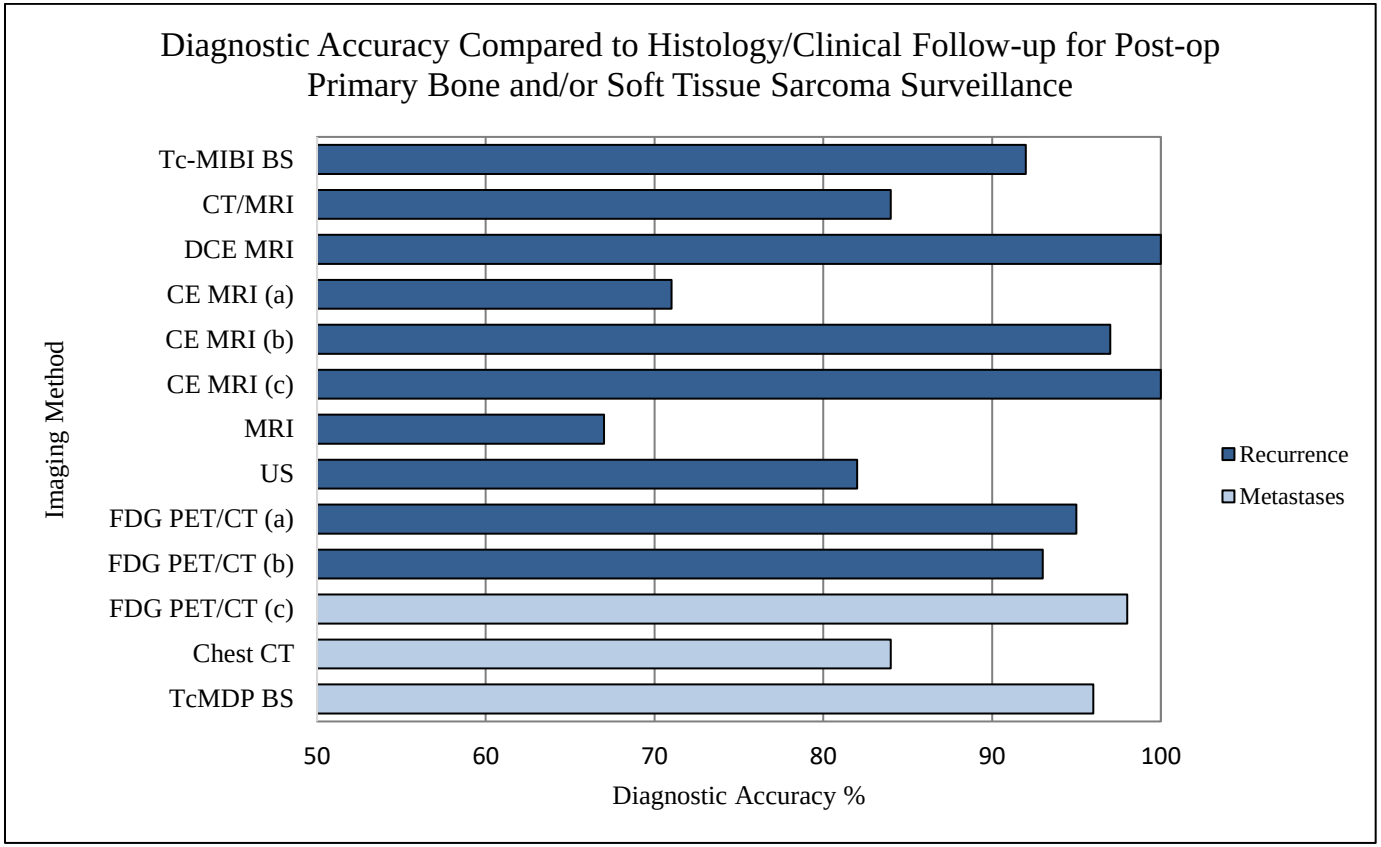
Data in this review is presented as accuracy measurements of diagnostic imaging methods utilized in a post-operative setting for surveillance of bone and soft tissue tumor patients. Overall accuracy is the ability of the imaging modality to properly diagnose presence and absence of local recurrence and/or metastases. The equation below describes the populations included in the calculation of accuracy of the imaging modality as compared to histology (for positive patients) and/or clinical follow-up (for negative patients).

$$(TP + TN) / (TP + TN + FP + FN)$$

TP: True Positives- those testing positive on imaging and reference testing)
TN: True Negatives- those testing negative on imaging and reference testing)
FP: False Positives- those testing positive on imaging but negative on reference testing)

FN: False Negatives- those testing negative on imaging but positive on reference testing

GRAPHICAL SUMMARY: DIAGNOSTIC ACCURACY



PRELIMINARY CONCLUSIONS

LOCAL RECURRENCE

1. Moderate evidence supports that when evaluating patients with resected primary *bone or soft tissue tumors*, contrast enhanced MRI can diagnose local recurrence with moderate to strong accuracy (71-100%).
2. Limited evidence supports that when evaluating patients with resected primary *malignant/aggressive mesenchymal soft tissue tumors*, non-contrast MRI can diagnose local recurrence with weak accuracy (67%).
3. Limited evidence supports that when evaluating patients with resected primary *soft tissue tumors*, ultrasound can diagnose local recurrence with moderate accuracy (82%).
4. Limited evidence supports that when evaluating patients with resected *bone or soft tissue tumors*, CT/MRI can diagnose local recurrence with moderate accuracy (84%).
5. Limited evidence supports that when evaluating patients with resected *bone or soft tissue tumors*, 99mTC-MIBI bone scan can diagnose local recurrence with strong accuracy (92%).
6. Limited evidence supports that when evaluating patients with resected *bone or soft tissue tumors*, FDG PET/CT can diagnose local recurrence with strong accuracy (93-95%).

METASTASES

7. Limited evidence supports that when evaluating patients with resected primary *high-grade intramedullary osteosarcoma*, FDG PET/CT or Tc-MDP bone scan can individually diagnose post-operative metastases with strong accuracy (96-98%).
8. Limited evidence supports that when evaluating patients with resected primary *bone or soft tissue tumors*, chest CT can diagnose pulmonary metastases with moderate accuracy (84%).

TABLE 1. RECURRENCE DATA SUMMARY

Reference	Quality	N	Events	Outcome (Primary)	Follow-up Range	Reference Test	Imaging	Accuracy	Other Study Notes
Arya,S., 2000	Moderate	50	30	Recurrence (Soft tissue tumors)	2-60mo	Histo, CFU	US	82%	
Chang,K.J., 2015	Low	109	9	Recurrence (High grade (≥2) osteosarcoma)	3-36mo	Histo, CFU, any imaging method	FDG PET/CT	93%	limb salvage surgery with endoprosthetic replacement; event = SUVmax > 4.6 and ΔSUV > 75%
Diana,A.P., 2013	Moderate	87	24	Recurrence (Malignant/aggressive mesenchymal soft tissue tumors)	2-252mo	Histo, CFU	MRI	67%	
Diana,A.P., 2013	Moderate	87	24	Recurrence (Malignant/aggressive mesenchymal soft tissue tumors)	2-252mo	Histo, CFU	CE MRI	71%	
Moustafa,H., 2003	Moderate	40	16	Recurrence (Bone or soft tissue tumors)	0-24mo	Histo	99mTc-MIBI BS	92%	Author reported accuracy
Moustafa,H., 2003	Moderate	40	16	Recurrence (Bone or soft tissue tumors)	0-24mo	Histo	CT/MRI	84%	Author reported accuracy
Park,S.Y., 2016	Moderate	152	20	Recurrence (Soft tissue tumors)	6-96mo	Histo, CFU, or radiograph	CE MRI	97%	All negative margins
Park,S.Y., 2016	Moderate	152	20	Recurrence (Soft tissue tumors)	6-96mo	Histo, CFU, or radiograph	FDG PET/CT	95%	All negative margins
Shapeero,L., 2011	Low	53	20	Recurrence (Malignant bone tumors)	1-163mo	Histo, CFU	DCE MRI	100%	Not all mets compared to histo, so no data extracted; unclear how negs were diagnosed

Watts,A.C., 2008	Low	57	13	Recurrence (Bone or soft tissue tumors)	24-207mo	Histo, CFU	CE MRI	100%	4 of 13 recurrences identified by scans requested for clinical concern rather than routine surveillance; unclear how negs were diagnosed

TABLE 2. METASTASIS DATA SUMMARY

Reference	Quality	N	Events	Outcome (Primary)	Follow-up Range	Reference Test	Imaging	Accuracy	Other Study Notes
Byun,B.H., 2013	Moderate	206	38	Metastases (High grade (≥2) intramedullary osteosarcoma)	7-65mo	Histo, CFU, any imaging method	FDG PET/CT	98%	
Byun,B.H., 2013	Moderate	206	38	Metastases (High grade (≥2) intramedullary osteosarcoma)	7-65mo	Histo, CFU, any imaging method	Tc-MDP BS	96%	
Huang,Z., 2015	Moderate	45	38	Pulmonary metastases (Bone or soft tissue tumors)	0-99mo	Histo	Chest CT	84%	16 mets at initial diagnosis

APPENDIX B. DISCLOSURE INFORMATION

MODERATOR DISCLOSURES

Benjamin J Miller, MD Submitted on: 04/02/2018
AAOS: Board or committee member ($0) EBQV committee(Self)
Musculoskeletal Oncology Research Initiative: Board or committee member ($0)
Musculoskeletal Tumor Society: Board or committee member ($0)

Rajiv Rajani, MD Submitted on: 04/09/2018
AAOS: Board or committee member; Board or committee member ($0) Orthoinfo board(Self)
Musculoskeletal Tumor Society: Board or committee member ($0) Board Member(Self)

WRITING PANEL MEMBER DISCLOSURES

Kurt Richard Weiss, MD Submitted on: 04/14/2017
Connective Tissue Oncology Society: Board or committee member ($0)
Journal of the American Academy of Orthopaedic Surgeons: Editorial or governing board ($0)

Mark Thomas Scarborough, MD Submitted on: 03/08/2017
Exactech, Inc: IP royalties ($20,000) Product design(Self)
Exactech, Inc: Paid consultant ($0)
International society of limb salvage: Board or committee member ($0)
Up to date: Publishing royalties, financial or material support ($0)

Ricardo J Gonzalez, MD (This individual reported nothing to disclose); Submitted on: 03/07/2017

Richard John O'Donnell, MD Submitted on: 03/22/2017
National Comprehensive Cancer Network: Board or committee member ($0) Sarcoma and Bone Cancer Panels (Self)
Orthopaedic Surgical Osseointegration Society: Board or committee member ($0) Board Member (Self)
Sarcoma Alliance: Board or committee member ($0) Medical Advisory Board (Self)

David Daniel Greenberg, MD (This individual reported nothing to disclose); Submitted on: 04/04/2017

Jennifer L Demertzis, MD (This individual reported nothing to disclose); Submitted on: 04/10/2017

Adam S Levin, MD Submitted on: 04/02/2017
AAOS: Board or committee member ($0)
Integra Lifesciences: Stock or stock Options Number of Shares: 0

Musculoskeletal Tumor Society: Board or committee member ($0)

Ana Cecilia Belzarena Genovese, MD (This individual reported nothing to disclose); Submitted on: 04/12/2017

Raffi Stephen Avedian, MD (This individual reported nothing to disclose); Submitted on: 04/18/2017

VOTING PANEL MEMBER DISCLOSURES

1. Michelle Ghert, MD, FRCSC
   Connective Tissue Oncology Society

   Michelle A Ghert, MD, FRCSC Submitted on: 08/24/2017
   Bone and Joint Research: Editorial or governing board ($0)
   Kudos Biosciences: Paid consultant ($9,000) N/a(Self)
   Musculoskeletal Tumor Society: Board or committee member ($0)
   Orthopaedic Research Society: Board or committee member ($0)
   Wright Medical Technology, Inc.: Paid presenter or speaker ($1,000) Number of Presentations: 2 N/a(Self)

2. Lawrence R. Menendez, MD
   American Academy of Orthopaedic Surgeons/MSTS

   Lawrence R Menendez, MD Submitted on: 07/10/2017
   Onkos Surgical: Paid consultant ($0)
   TeDan Surgical: IP royalties ($0)

3. Kenny Gundle, MD
   American Academy of Orthopaedic Surgeons

   Kenneth Robert Gundle, MD (This individual reported nothing to disclose); Submitted on: 07/11/2017

4. Francesca Beaman, MD
   American College of Radiology

   Francesca D Beaman, MD Submitted on: 09/11/2017
   Wolters Kluwer Health - Lippincott Williams & Wilkins: Publishing royalties, financial or material support ($200)

N/A(Self)

5. Aimee Crago, MD,PhD
   Society of Surgical Oncology

   Aimee M Crago, MD, PhD, FACS Submitted on: 08/14/2017
   Society of Surgical Oncology: Board or committee member ($0) Sarcoma and Melanoma Disease Site Working Group(Self)
   Springer: Editorial or governing board ($0) Journal of Surgical Oncology/Annals of Surgical Oncology(Self)

6. Frederick Greene, MD, FACS
   American Joint Committee on Cancer

   Frederick L Greene, MD, FACS Submitted on: 08/16/2017
   American Joint Committee on Cancer: Board or committee member ($0) Executive Committee(Self)
   Springer: Editorial or governing board ($0) N/A(Self)

7. Cynthia Emory, MD
   Musculoskeletal Tumor Society

   Cynthia Lynn Emory, MD Submitted on: 07/19/2017
   BoardVitals: Paid consultant ($0)
   IlluminOss Medical: Research support ($0)
   Musculoskeletal Transplant Foundation: Research support ($0)
   Ruth Jackson Orthopaedic Society: Board or committee member ($0)

8. David Mohler, MD
   Musculoskeletal Tumor Society

   David G Mohler, MD Submitted on: 07/19/2017
   Exelixis (EXEL): Stock or stock Options Number of Shares: 0
   Guided Therapeutics (GTHP: Stock or stock Options Number of Shares: 0
   Johnson & Johnson: Stock or stock Options Number of Shares: 0
   Musculoskeletal Transplant Foundation: Other financial or material support ($0)
   Musculoskeletal Tumor Society: Board or committee member ($0)
   PayMD: Unpaid consultant
   Stroma Inc: Unpaid consultant
   Synthes: Stock or stock Options Number of Shares: 0

9. Kimberly Smith, MD
   Musculoskeletal Tumor Society

Kimberly Sara Smith, MD (This individual reported nothing to disclose); Submitted on: 07/11/2017

10. Richard Nicholas, Jr., MD
    Musculoskeletal Tumor Society

    Richard W Nicholas Jr, MD Submitted on: 07/21/2017
    Musculoskeletal Transplant Foundation: Other financial or material support ($1,000) Board of Trustees(Self)

11. Scott Porter, MBA, MD
    Musculoskeletal Tumor Society

    Scott Edward Porter, MBA, MD Submitted on: 07/18/2017
    American Orthopaedic Association: Board or committee member ($0)

12. John Abraham, MD
    Musculoskeletal Tumor Society

    John Alexander Abraham, MD Submitted on: 07/18/2017
    Biomet: Paid consultant ($0)
    Daiichi Sankyo: Paid consultant ($0)
    Janssen: Research support ($0) N/A(Self)
    Norvartis: Research support ($0)

13. Cara Cipriano, MD
    Musculoskeletal Tumor Society

    Cara Cipriano, MD (This individual reported nothing to disclose); Submitted on: 07/10/2017

14. Benjamin Deheshi, FRCSC, MD, MSc
    Musculoskeletal Tumor Society

    Benjamin Deheshi, FRCSC, MD, MSc (This individual reported nothing to disclose); Submitted on: 08/02/2017

15. Kelly Homlar, MD
    Musculoskeletal Tumor Society

    Kelly Cornett Homlar, MD Submitted on: 08/03/2017
    Georgia Orthopaedic Society: Board or committee member ($0) Board Member(Self)
    Musculoskeletal Transplant Foundation: Board or committee member ($0) MBOT(Self)

16. James Hayden, MD
    Musculoskeletal Tumor Society

James B Hayden, MD Submitted on: 07/17/2017
Biomet: IP royalties ($0)

V. APPENDIX C. REFERENCES

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LETTERS OF ENDORSEMENT FROM ORGANIZATIONS