

# Management of Surgical Site Infections

## Appropriate Use Criteria

*Adopted by:*

The American Academy of Orthopaedic Surgeons Board of Directors  
March 11, 2019

*Endorsed by:*



**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 B.

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**FDA Clearance**

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**[www.OrthoGuidelines.org/auc](http://www.OrthoGuidelines.org/auc)**

To view the clinical practice guideline for this topic, please visit <http://www.orthoguidelines.org/topic?id=1022>

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# I. INTRODUCTION

## OVERVIEW

The American Academy of Orthopaedic Surgeons (AAOS) has developed this Appropriate Use Criteria (AUC) to determine appropriateness of various treatments for the management of surgical site infections (SSI).

An “appropriate” healthcare service is one for which the expected health benefits exceed the expected negative consequences by a sufficiently wide margin.<sup>2</sup> Evidence-based information, 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, the AAOS Department of Clinical Quality and Value provided the writing panel and voting panel with the AAOS Clinical Practice Guideline on SSI, which can be accessed via the following link: <http://www.orthoguidelines.org/topic?id=1022>.

The purpose of this AUC is to help determine the appropriateness of clinical practice guideline recommendations for the heterogeneous patient population routinely seen in practice. The best available scientific evidence is synthesized with collective expert opinion on topics where gold standard randomized clinical trials are not available or are inadequately detailed for identifying distinct patient types. When there is evidence corroborated by consensus that expected benefits substantially outweigh potential risks, exclusive of cost, a procedure is determined to be appropriate. The AAOS uses the RAND/UCLA Appropriateness Method (RAM)<sup>2</sup> 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](http://www.orthoguidelines.org/auc) or download the OrthoGuidelines app from Google Play or Apple Store.

These criteria should not be construed as including all indications or excluding indications reasonably directed to obtaining the same results. The criteria intend to address the most common clinical scenarios facing orthopaedic surgeons and other qualified physicians managing patients with surgical site infections. The ultimate judgment regarding any specific criteria should address all circumstances presented by the patient and the needs and resources particular to the locality or institution. It is also important to state that these criteria are not meant to supersede clinician expertise and experience or patient preference.

## 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.

## **INCIDENCE AND PREVALENCE**

Surgical site infections occur following a small percentage of surgical procedures.

Approximately 1% of patients undergoing orthopaedic procedures develop an infection at the surgical site.<sup>4</sup> For this systematic review, the Centers for Disease Control and Prevention (CDC) definitions of superficial, deep and organ space surgical site infection were used.<sup>4</sup> In 2011, the CDC estimated that there were 157,500 surgical site infections from all inpatient surgeries performed in the United States.<sup>4</sup>

## **ETIOLOGY**

Surgical site infections are the result of disease-causing bacteria or fungi which enter the body through a surgical wound.<sup>5</sup> Since the definition of “surgical site infection” can be interpreted differently, we used the standard definition from the Centers for Disease Control described in the previous paragraph. The CDC describes a surgical site infection as “... an infection that occurs after surgery in the part of the body where the surgery took place. Surgical site infections can sometimes be superficial infections involving the skin only. Other surgical site infections are more serious and can involve tissues under the skin, organs, or implanted material.” During the time when the reviewed studies were being performed the definition of a SSI change from infections occurring during the 12 months following the procedure to infections that occurred within 3 months of the procedure. This does not represent a change in fundamental condition that was studied or lead to a change in the conclusions drawn from the data; more that the small proportion of cases that occur after the first 3 months does not meaningfully change the analysis but is associated with onerous logistics and an unjustified expense. The findings were not stratified reports that include or do not include cases from 3 -12 months post op.

## **POTENTIAL BENEFITS, HARMS, AND CONTRAINDICATIONS**

Most treatments are associated with some known risks, especially invasive and operative treatments. Contraindications vary widely based on the treatment and the patient. A particular concern when managing surgical site infections, is the potential for the underlying orthopaedic treatment to be compromised resulting in increased morbidity or decreased function compared to initial expectations. Additional factors may affect the physician’s choice of treatment, including co-morbidities such as low bone mass or arthropathy in other joints. Provider judgement based on clinical experience increases the probability of identifying the treatment options for each individual patient that have the most favorable risk/benefit expectation.

## **II. METHODS**

This AUC for SSI 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 orthopaedic surgery and other relevant medical fields. This section describes the methods adapted from RAM<sup>2</sup>. 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 the SSI AUC, a writing panel and a voting panel. Members of the writing panel developed a list of patient scenarios and relevant treatment options. Additional detail on how the writing panel developed the patient scenarios and



treatments is below. The voting panel participated in two rounds of voting. During the first round, the voting panel was given approximately one month to independently rate the appropriateness of each the provided treatments for each of the relevant patient scenarios as ‘Appropriate’, ‘May Be Appropriate’, or ‘Rarely Appropriate’ via an electronic ballot. How the voting panel rates for appropriateness is described in more detailed below. 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, November 17, 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 AAOS Appropriate Use Criteria Section, the AAOS Council on Research and Quality, and the AAOS Board of Directors sequentially approved the SSI AUC. The AAOS 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 SSI AUC developed patient scenarios using the following guiding principles:

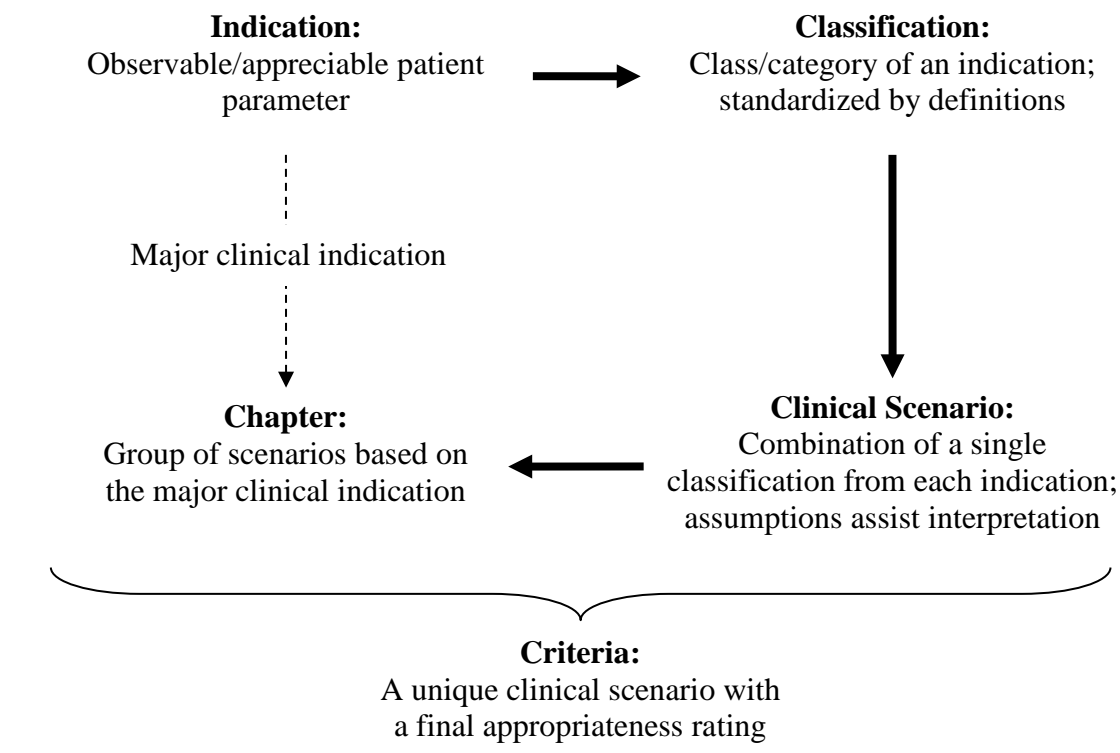
- 1) **Comprehensive** – Covers a wide range of patients.
- 2) **Mutually Exclusive** - There should be no overlap between patient scenarios/indications.
- 3) **Homogenous** –The final ratings should result in equal application within each of the patient scenarios.
- 4) **Manageable** – Number of total 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. These 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 patients commonly presenting with SSI 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 clinical trials, derived from patient selection criteria, included in AAOS Clinical Practice Guidelines (<http://www.orthoguidelines.org/topic?id=1022>) 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: age, risk factors, and physical exam findings for qualified physicians.

## **CREATING DEFINITIONS AND ASSUMPTIONS**

The SSI AUC 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 general 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.<sup>1</sup>

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.

## **LITERATURE REVIEW**

The Clinical Practice Guideline on Management of Surgical Site Infections was used as the evidence base for this AUC (see here: <http://www.orthoguidelines.org/topic?id=1022>). This guideline helped to inform the decisions of the writing panel and voting panel where available and necessary.

## **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, instructed voting panel member must make a motion to amend and another member must “second” that motion, after which a vote is conducted. If the majority of voting panel members voted “yes” to amend the original materials, the amendments were accepted.

## **DETERMINING APPROPRIATENESS**

### **VOTING PANEL**

As mentioned above, a multidisciplinary panel of clinicians was assembled to determine the appropriateness of treatments for the SSI AUC. A non-voting moderator, who is an orthopaedic surgeon, but is not a specialist in the treatment of SSI, moderated the voting panel. The moderator was familiar with the methods and procedures of AAOS Appropriate Use Criteria and led the panel (as a non-voter) in discussions. Additionally, 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 treatments for SSI.

## RATING APPROPRIATENESS

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

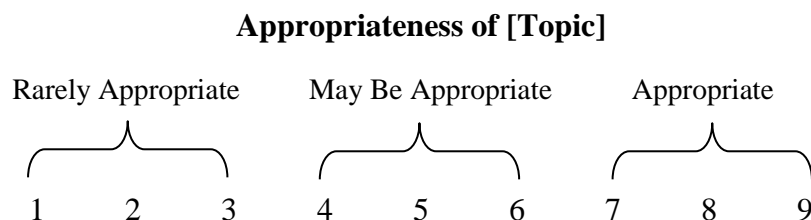
“An appropriate treatment for SSI is one for which the treatment **is** generally acceptable, **is** a reasonable approach for the indication, and **is** likely to improve the patient’s health outcomes or survival.”

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	<b>Appropriate:</b> Appropriate for the indication provided, meaning treatment <b>is</b> generally acceptable and <b>is</b> a reasonable approach for the indication and <b>is</b> likely to improve the patient’s health outcomes or survival.
4-6	<b>May Be Appropriate:</b> Uncertain for the indication provided, meaning treatment <b>may</b> be acceptable and <b>may</b> 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	<b>Rarely Appropriate:</b> <b>Rarely</b> an appropriate option for management of patients in this population due to the lack of a clear benefit/risk advantage; <b>rarely</b> 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:



## 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 November 17, 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 <sup>2</sup>, for a panel of 11-13 voting members (see Figure 3 below). The 11-13 panel member disagreement cutoff was used for this voting panel. For this panel size, disagreement is defined as when  $\geq 4$  members' appropriateness ratings fell within the appropriate (7-9) and rarely appropriate (1-3) ranges for any scenario (i.e.  $\geq 4$  members' ratings fell between 1-3 and  $\geq 4$  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  $\leq 3$  panelists rated outside of the 3-point range containing the median.

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

Panel Size	<u>Disagreement</u>	<u>Agreement</u>
	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
<b>14,15,16</b>	<b>≥ 5</b>	<b>≤ 4</b>

*Adapted from RAM<sup>1</sup>*

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

**FIGURE 4. INTERPRETING FINAL RATINGS OF CRITERIA**

<b>Level of Appropriateness</b>	<b>Description</b>
Appropriate	<ul style="list-style-type: none"> <li>• Median panel rating between 7-9 and no disagreement</li> </ul>
May Be Appropriate	<ul style="list-style-type: none"> <li>• Median panel rating between 4-6 or</li> <li>• Median panel rating 1-9 with disagreement</li> </ul>
Rarely Appropriate	<ul style="list-style-type: none"> <li>• Median panel rating between 1-3 and no disagreement</li> </ul>

**REVISION PLANS**

These criteria represent a cross-sectional view of current use of treatments for SSI and may become outdated as new evidence becomes available or clinical decision-making indicators are improved. In accordance with the standards of the National Guideline Clearinghouse, AAOS will update or withdraw these criteria in five years. AAOS will issue updates in accordance with new evidence, changing practice, rapidly emerging treatment options, and new technology.

## DISSEMINATING APPROPRIATE USE CRITERIA



All AAOS AUCs can be accessed via a user-friendly app that is available via the OrthoGuidelines website ([www.orthoguidelines.org/auc](http://www.orthoguidelines.org/auc)) or as a native app via the Apple and Google Play stores.

Publication of the AUC document is on the AAOS website at [<http://www.aaos.org/auc>]. This document provides interested readers with full documentation about the development of Appropriate Use Criteria and further details of the criteria ratings.

AUCs are first announced by an Academy press release and then published on the AAOS website. AUC summaries are published in the *AAOS Now* and the *Journal of the American Academy of Orthopaedic Surgeons (JAAOS)*. In addition, the Academy's Annual Meeting showcases the AUCs on Academy Row and at Scientific Exhibits.

The dissemination efforts of AUC include web-based mobile applications, webinars, and online modules for the Orthopaedic Knowledge Online website, radio media tours, and media briefings. In addition, AUCs are also promoted in relevant Continuing Medical Education (CME) courses and distributed at the AAOS Resource Center.

Other dissemination efforts outside of the AAOS include submitting AUCs to the National Guideline Clearinghouse and to other medical specialty societies' meetings.

### **III. PATIENT INDICATIONS AND TREATMENTS**

#### **ASSUMPTIONS**

1. The patient has previously undergone surgical intervention and is suspected as having a subsequent surgical site infection.
2. This AUC only covers the initial presentation and definitive treatment of a surgical site infection; definitive treatment does not include other decompressive/precursory surgical procedures prior to the definitive treatment plan.
3. Physical examination suggesting infection include but are not limited to: erythema, persistent wound drainage, pus, and/or foul odor.
4. All patients will be monitored for ongoing infection after treatment.
5. Use of this AUC assumes that diagnostic procedures (cultures and organism characterization) have been performed.
6. Infectious Disease Consult should be ordered as appropriate on a case-by-case basis.
7. Plastic Surgery Consult should be ordered as appropriate on a case-by-case basis.
8. There may be patients where a salvage treatment (definitive resection arthroplasty, fusion, amputation) is the most appropriate treatment, but due to its rarity, salvage treatments are not included as a treatment option in this AUC.
9. Surgical debridement should occur with all implant removals and retentions.
10. Antibiotic management (intravenous, oral and local) is at the discretion of the surgeon and/or infectious disease specialist.
11. It is possible that more than one treatment is appropriate for a patient.
12. This AUC does not apply to spine surgery.



# INDICATIONS

## PATIENT INDICATIONS AND CLASSIFICATIONS

### Location

1. Superficial (Suprafascial)
2. Deep soft tissue only
3. Bone
4. Joint

### Hardware Presence

1. None present (no hardware or biologic implant)
2. Internal Fixation
3. Arthroplasty
4. Biologic implant eg. (ligament, tendon, bone, other tissue graft)
5. No Implant (hardware or biologic implant)

### Implant Removable

1. No Implant (Hardware or Biologic implant)
2. Removal associated with high morbidity
3. Removal associated with low morbidity

### Classification of Infection

1. Acute
2. Chronic

### Organism Susceptibility

1. Susceptible to routine oral or IV antibiotics
2. Difficult to treat microorganism
3. No organism identified

### Host Factors/Medical Status

1. No or Limited Comorbidities (healthy, ASA 1-2)
2. Multiple Comorbidities (frail, ASA 3-4)

## TREATMENTS

1. Antimicrobial systemic treatment only
2. Local superficial non-surgical wound care and with or without antimicrobial therapy
3. Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy
  - a. (ONLY APPLIES TO SCENARIOS WITH NO HARDWARE)
4. Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely
  - a. (ONLY APPLIES TO ARTHROPLASTY)
5. Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal
  - a. (ONLY APPLIES TO INTERNAL FIXATION OR BIOLOGIC)
6. Surgical debridement (superficial and/or deep) and implant retention/partial exchange/partial removal and appropriate antimicrobial therapy
  - a. (ONLY APPLIES TO SCENARIOS WITH ARTHROPLASTY, INTERNAL FIXATION OR BIOLOGIC)
7. Surgical debridement and implant removal without reimplantation and appropriate antimicrobial therapy (no plan for later reimplantation)
8. Surgical debridement and implant removal with single-staged reimplantation and appropriate antimicrobial therapy
9. Surgical debridement and implant removal with multi-staged reimplantation and appropriate antimicrobial therapy

## IV. RESULTS OF APPROPRIATENESS RATINGS

For a user-friendly version of these appropriate use criteria, please access our AUC web-based application at [www.orthoguidelines.org/auc](http://www.orthoguidelines.org/auc). The OrthoGuidelines native app can also be downloaded via the Apple or Google Play stores.

### Web-Based AUC Application Screenshot

The screenshot displays the AUC application interface, divided into two main sections: 'Indication Profile' and 'Procedure Recommendations'.

**Indication Profile:** This section contains several criteria, each with radio button options:

- Location:**  Superficial (Suprafascial),  Deep soft tissue only,  Bone,  Joint.
- Hardware Presence:**  None present (no hardware or biologic implant),  Internal Fixation,  Arthroplasty,  Biologic implant eg. (ligament, tendon, bone, other tissue graft).
- Implant Removable:**  No Implant (Hardware or Biologic implant) (automatically selects if no implant selected above),  Removal associated with high morbidity,  Removal associated with low morbidity.
- Classification of Infection:**  Acute,  Chronic.
- Organism Susceptibility:**  Susceptible to routine oral or IV antibiotics,  Difficult to treat microorganism,  No organism identified.
- Host Factors/Medical Status:**  No or Limited Comorbidities (healthy, ASA 1-2),  Multiple Comorbidities (frail, ASA 3-4).

A 'Submit' button with a right-pointing arrow is located at the bottom left of the Indication Profile section.

**Procedure Recommendations:** This section lists three recommended procedures, each with a green checkmark icon, a plus sign, and a rating of 7:

- Antimicrobial systemic treatment only (+) 7
- Local superficial non-surgical wound care and with or without antimicrobial therapy (+) 7
- Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy (+) 7

At the bottom right of the Procedure Recommendations section, there are buttons for 'E-mail Results', 'Print', and a right-pointing arrow icon.

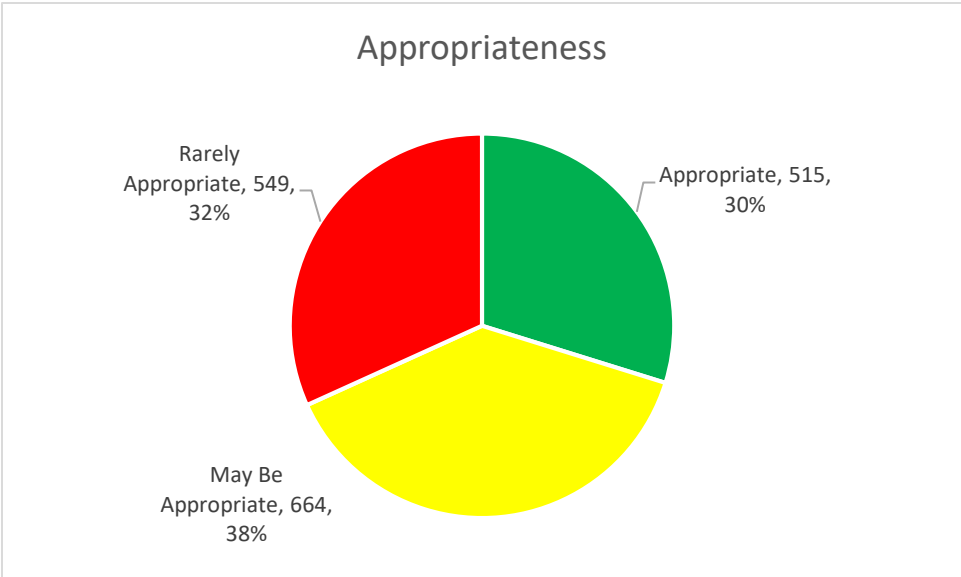
[Click Here to Access the AUC App!](#)

## **Results**

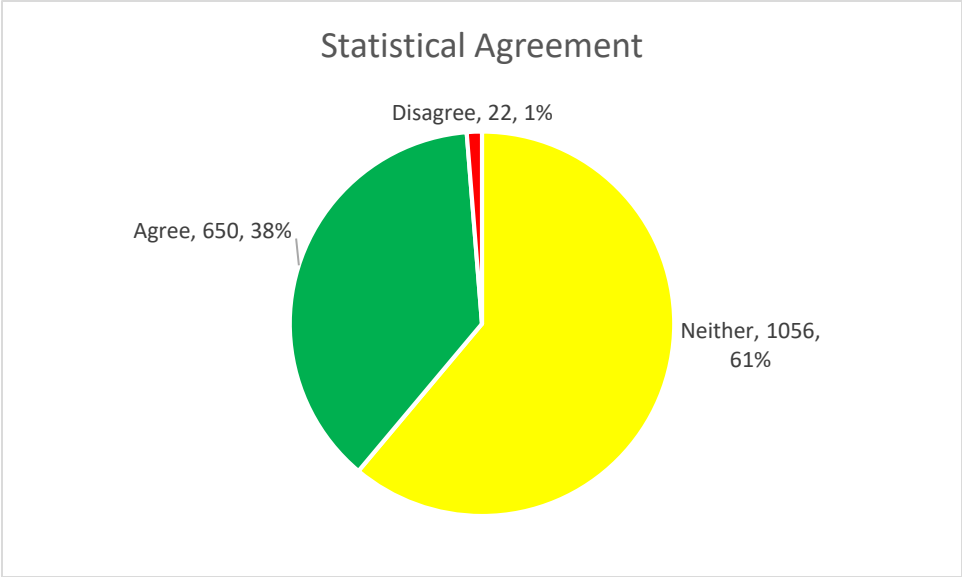
The following Appropriate Use Criteria tables contain the final appropriateness ratings assigned by the members of the voting panel. Patient characteristics are found under the column titled “Scenario”. The Appropriate Use Criteria for each patient scenario can be found within each of the treatment rows. These criteria are formatted by appropriateness, median rating, and + or - indicating agreement or disagreement amongst the voting panel, respectively.

Out of 1728 total voting items, 515 (30%) voting items were rated as “Appropriate”, 664 (38%) voting items were rated as “May Be Appropriate”, and 549 (32%) voting items were rated as “Rarely Appropriate” (Figure 1). Additionally, the voting panel members were in statistical agreement on 650 (38%) voting items and were in statistical disagreement on 22 (1%) voting items (Figure 2).

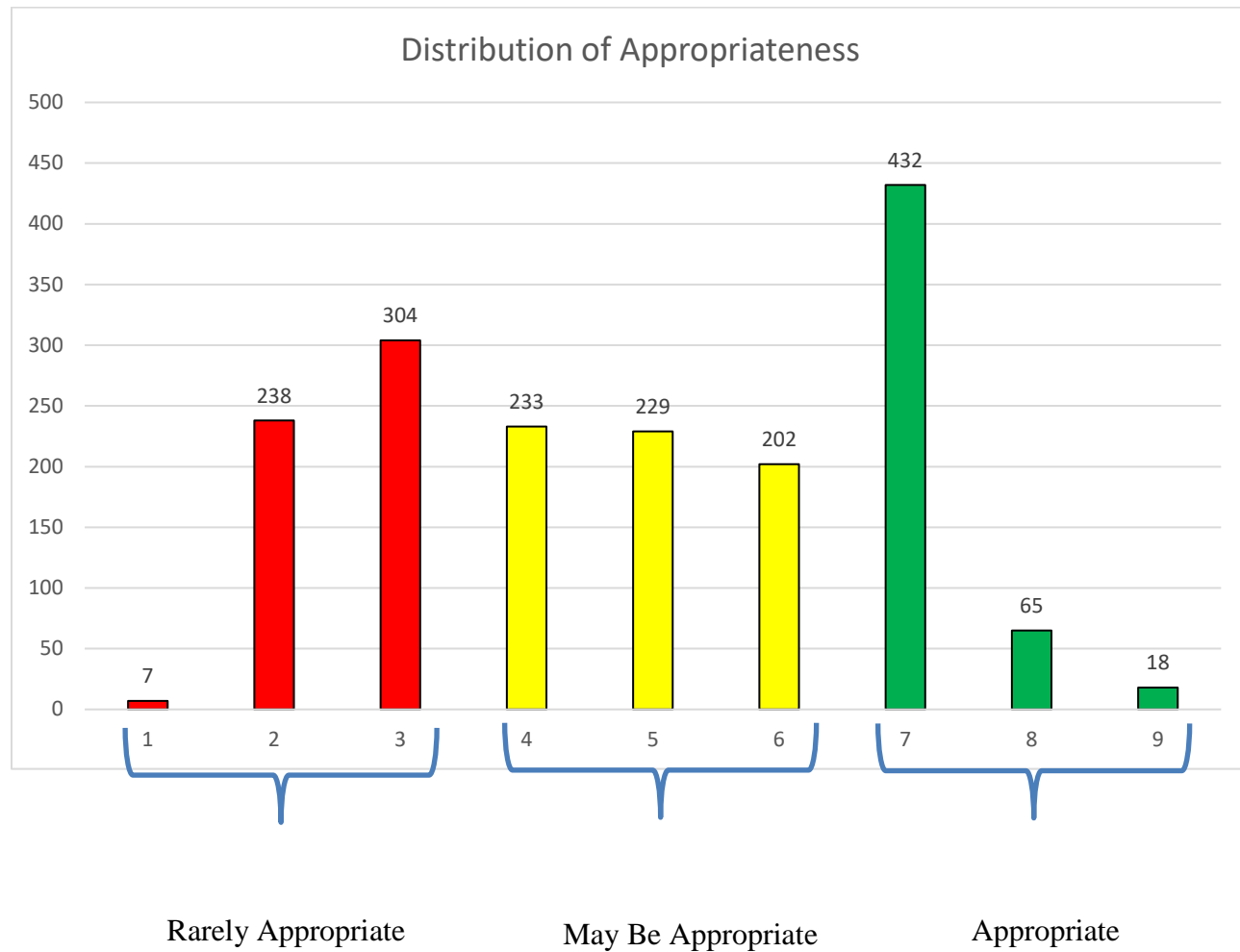
**FIGURE 6. BREAKDOWN OF APPROPRIATENESS RATINGS**



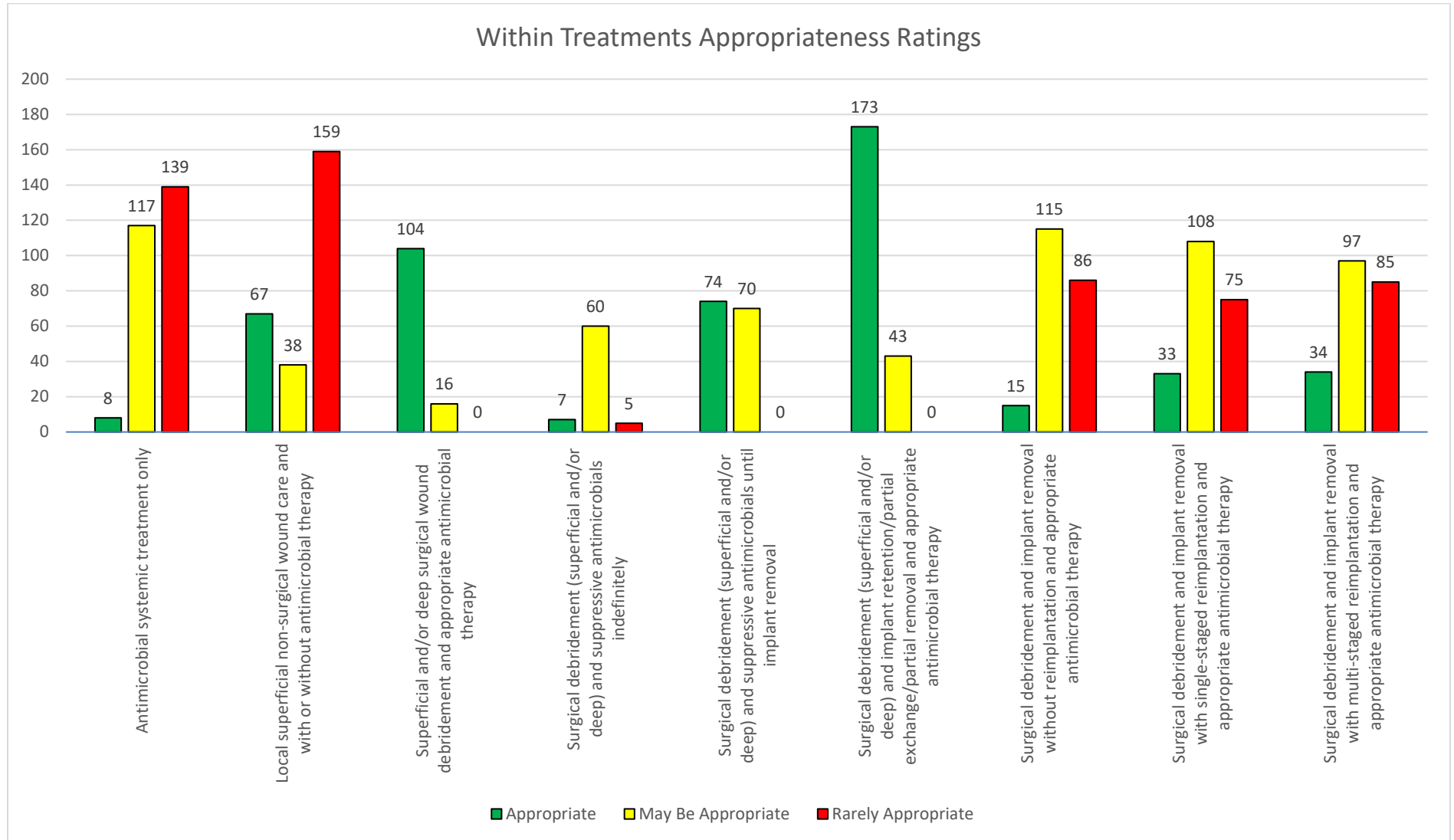
**FIGURE 7. BREAKDOWN OF AGREEMENT AMONGST VOTING PANEL**



**FIGURE 8. DISTRIBUTION OF APPROPRIATENESS RATINGS ON 9-POINT RATING SCALE**



**FIGURE 9. WITHIN TREATMENT APPROPRIATENESS RATINGS**





## APPROPRIATE USE CRITERIA FOR MANAGEMENT OF SURGICAL SITE INFECTIONS

### Interpreting the AUC tables:

- 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.

Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial exchange/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
Scenario 1: Superficial (Suprafascial), None present (no hardware or biologic implant), No Implant (Hardware or Biologic implant) (automatically selects if no implant selected above), Acute,	Appropriate (7, +)	Appropriate (7, +)	Appropriate (7)						

Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
Susceptible to routine oral or IV antibiotics									
Scenario 2: Superficial (Suprafascial), None present (no hardware or biologic implant), No Implant (Hardware or Biologic implant) (automatically selects if no implant selected above), Acute, Susceptible to routine oral or IV antibiotics	Appropriate (7, +)	Appropriate (7, +)	May Be Appropriate (6)						

<b>Scenario</b>	<b>Antimicrobial systemic treatment only</b>	<b>Local superficial non-surgical wound care and with or without antimicrobial therapy</b>	<b>Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal</b>	<b>Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy</b>
Scenario 3: Superficial (Suprafascial), None present (no hardware or biologic implant), No Implant (Hardware or Biologic implant) (automatically selects if no implant selected above), Acute, Difficult to treat microorganism	May Be Appropriate (5)	Appropriate (7)	Appropriate (7, +)						
Scenario 4: Superficial (Suprafascial), None present	May Be Appropriate (5)	Appropriate (7)	Appropriate (7)						

Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
(no hardware or biologic implant), No Implant (Hardware or Biologic implant) (automatically selects if no implant selected above), Acute, Difficult to treat microorganism									
Scenario 5: Superficial (Suprafascial), None present (no hardware or biologic implant), No Implant	May Be Appropriate (5)	Appropriate (7, +)	Appropriate (7, +)						

Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
(Hardware or Biologic implant) (automatically selects if no implant selected above), Acute, No organism identified									
Scenario 6: Superficial (Suprafascial), None present (no hardware or biologic implant), No Implant (Hardware or Biologic implant) (automatically selects if no	May Be Appropriate (5)	Appropriate (7, +)	May Be Appropriate (6)						

Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
implant selected above), Acute, No organism identified									
Scenario 7: Superficial (Suprafascial), None present (no hardware or biologic implant), No Implant (Hardware or Biologic implant) (automatically selects if no implant selected above), Chronic, Susceptible to	May Be Appropriate (6)	Appropriate (7)	Appropriate (7)						

Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
routine oral or IV antibiotics									
Scenario 8: Superficial (Suprafascial), None present (no hardware or biologic implant), No Implant (Hardware or Biologic implant) (automatically selects if no implant selected above), Chronic, Susceptible to	Appropriate (7, +)	May Be Appropriate (6)	May Be Appropriate (6)						

Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
routine oral or IV antibiotics									
Scenario 9: Superficial (Suprafascial), None present (no hardware or biologic implant), No Implant (Hardware or Biologic implant) (automatically selects if no implant selected above), Chronic, Difficult to	May Be Appropriate (5, +)	Appropriate (7)	Appropriate (7, +)						



Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
treat microorganism									
Scenario 10: Superficial (Suprafascial), None present (no hardware or biologic implant), No Implant (Hardware or Biologic implant) (automatically selects if no implant selected above), Chronic, Difficult to	May Be Appropriate (5)	Appropriate (7)	Appropriate (7)						

Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
treat microorganism									
Scenario 11: Superficial (Suprafascial), None present (no hardware or biologic implant), No Implant (Hardware or Biologic implant) (automatically selects if no implant selected above), Chronic, No organism identified	May Be Appropriate (5)	Appropriate (7)	Appropriate (7, +)						

Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
Scenario 12: Superficial (Suprafascial), None present (no hardware or biologic implant), No Implant (Hardware or Biologic implant) (automatically selects if no implant selected above), Chronic, No organism identified	May Be Appropriate (5)	Appropriate (7)	May Be Appropriate (6)						
Scenario 13: Superficial (Suprafascial), Internal	Appropriate (7)	Appropriate (7, +)			Appropriate (7)	Appropriate (7)	Rarely Appropriate (3)	May Be Appropriate (4)	Rarely Appropriate (3)

Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
Fixation, Removal associated with high morbidity, Acute, Susceptible to routine oral or IV antibiotics									
Scenario 14: Superficial (Suprafascial), Internal Fixation, Removal associated with high morbidity, Acute, Susceptible to routine oral or IV antibiotics	Appropriate (7)	Appropriate (7, +)			May Be Appropriate (6)	May Be Appropriate (6)	Rarely Appropriate (3, +)	Rarely Appropriate (3)	Rarely Appropriate (3, +)

<b>Scenario</b>	<b>Antimicrobial systemic treatment only</b>	<b>Local superficial non-surgical wound care and with or without antimicrobial therapy</b>	<b>Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal</b>	<b>Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy</b>
Scenario 15: Superficial (Suprafascial), Internal Fixation, Removal associated with high morbidity, Acute, Difficult to treat microorganism	May Be Appropriate (4)	May Be Appropriate (6)			May Be Appropriate (6)	Appropriate (7, +)	Rarely Appropriate (3, +)	Rarely Appropriate (3, +)	Rarely Appropriate (3, +)
Scenario 16: Superficial (Suprafascial), Internal Fixation, Removal associated with high morbidity, Acute, Difficult	May Be Appropriate (5)	Appropriate (7)			Appropriate (7)	Appropriate (7, +)	Rarely Appropriate (3, +)	Rarely Appropriate (3)	Rarely Appropriate (3, +)

Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
to treat microorganism									
Scenario 17: Superficial (Suprafascial), Internal Fixation, Removal associated with high morbidity, Acute, No organism identified	May Be Appropriate (5)	May Be Appropriate (6)			Appropriate (7, +)	Appropriate (7)	Rarely Appropriate (3, +)	Rarely Appropriate (3)	Rarely Appropriate (3)
Scenario 18: Superficial (Suprafascial), Internal Fixation, Removal associated with high	May Be Appropriate (5)	Appropriate (7)			Appropriate (7)	Appropriate (7)	Rarely Appropriate (2, +)	Rarely Appropriate (3, +)	Rarely Appropriate (3, +)

Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
morbidity, Acute, No organism identified									
Scenario 19: Superficial (Suprafascial), Internal Fixation, Removal associated with high morbidity, Chronic, Susceptible to routine oral or IV antibiotics	May Be Appropriate (5)	May Be Appropriate (5)			Appropriate (7)	Appropriate (7)	Rarely Appropriate (2, +)	Rarely Appropriate (3)	Rarely Appropriate (3)
Scenario 20: Superficial (Suprafascial), Internal Fixation, Removal	May Be Appropriate (6)	Appropriate (7)			Appropriate (7)	Appropriate (7)	Rarely Appropriate (2, +)	Rarely Appropriate (3)	Rarely Appropriate (2, +)

Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
associated with high morbidity, Chronic, Susceptible to routine oral or IV antibiotics									
Scenario 21: Superficial (Suprafascial), Internal Fixation, Removal associated with high morbidity, Chronic, Difficult to treat microorganism	May Be Appropriate (5)	May Be Appropriate (5)			Appropriate (7)	Appropriate (7, +)	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)
Scenario 22: Superficial (Suprafascial),	May Be Appropriate (5, +)	May Be Appropriate (6)			Appropriate (7)	Appropriate (7)	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)



Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
Internal Fixation, Removal associated with high morbidity, Chronic, Difficult to treat microorganism									
Scenario 23: Superficial (Suprafascial), Internal Fixation, Removal associated with high morbidity, Chronic, No organism identified	May Be Appropriate (5, +)	May Be Appropriate (6)			Appropriate (7, +)	Appropriate (7, +)	Rarely Appropriate (2, +)	Rarely Appropriate (3)	Rarely Appropriate (3, +)

Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
Scenario 24: Superficial (Suprafascial), Internal Fixation, Removal associated with high morbidity, Chronic, No organism identified	May Be Appropriate (5)	Appropriate (7)			Appropriate (7)	Appropriate (7)	Rarely Appropriate (2, +)	Rarely Appropriate (3, +)	Rarely Appropriate (2, +)
Scenario 25: Superficial (Suprafascial), Internal Fixation, Removal associated with low morbidity, Acute, Susceptible to	Appropriate (7)	Appropriate (7, +)			Appropriate (7)	May Be Appropriate (6)	Rarely Appropriate (3)	Rarely Appropriate (3, +)	Rarely Appropriate (3, +)

<b>Scenario</b>	<b>Antimicrobial systemic treatment only</b>	<b>Local superficial non-surgical wound care and with or without antimicrobial therapy</b>	<b>Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal</b>	<b>Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy</b>
routine oral or IV antibiotics									
Scenario 26: Superficial (Suprafascial), Internal Fixation, Removal associated with low morbidity, Acute, Susceptible to routine oral or IV antibiotics	May Be Appropriate (6)	Appropriate (7, +)			May Be Appropriate (6)	Appropriate (7)	Rarely Appropriate (3, +)	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)
Scenario 27: Superficial (Suprafascial), Internal Fixation, Removal associated	May Be Appropriate (5, -)	Appropriate (7)			Appropriate (7)	Appropriate (7, +)	Rarely Appropriate (3)	Rarely Appropriate (3, +)	Rarely Appropriate (3, +)

Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
with low morbidity, Acute, Difficult to treat microorganism									
Scenario 28: Superficial (Suprafascial), Internal Fixation, Removal associated with low morbidity, Acute, Difficult to treat microorganism	May Be Appropriate (5)	Appropriate (7)			Appropriate (7)	Appropriate (7, +)	Rarely Appropriate (3)	Rarely Appropriate (3, +)	Rarely Appropriate (3, +)
Scenario 29: Superficial (Suprafascial), Internal Fixation, Removal	May Be Appropriate (4)	Appropriate (7)			Appropriate (7)	Appropriate (7)	Rarely Appropriate (3)	Rarely Appropriate (3, +)	Rarely Appropriate (3, +)

Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
associated with low morbidity, Acute, No organism identified									
Scenario 30: Superficial (Suprafascial), Internal Fixation, Removal associated with low morbidity, Acute, No organism identified	May Be Appropriate (5)	Appropriate (7)			May Be Appropriate (6)	Appropriate (7)	Rarely Appropriate (3, +)	Rarely Appropriate (3, +)	Rarely Appropriate (3, +)
Scenario 31: Superficial (Suprafascial), Internal Fixation,	May Be Appropriate (5)	Appropriate (7)			Appropriate (7)	Appropriate (7, +)	Rarely Appropriate (3)	Rarely Appropriate (3, +)	Rarely Appropriate (3, +)

Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
Removal associated with low morbidity, Chronic, Susceptible to routine oral or IV antibiotics									
Scenario 32: Superficial (Suprafascial), Internal Fixation, Removal associated with low morbidity, Chronic, Susceptible to routine oral or IV antibiotics	May Be Appropriate (5)	Appropriate (7)			Appropriate (7)	Appropriate (7)	Rarely Appropriate (3)	Rarely Appropriate (3, +)	Rarely Appropriate (3, +)

Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
Scenario 33: Superficial (Suprafascial), Internal Fixation, Removal associated with low morbidity, Chronic, Difficult to treat microorganism	May Be Appropriate (4)	May Be Appropriate (5, -)			Appropriate (7)	Appropriate (7, +)	Rarely Appropriate (3)	Rarely Appropriate (3, +)	Rarely Appropriate (3)
Scenario 34: Superficial (Suprafascial), Internal Fixation, Removal associated with low morbidity, Chronic,	May Be Appropriate (4)	May Be Appropriate (5, -)			Appropriate (7)	Appropriate (7, +)	Rarely Appropriate (3)	Rarely Appropriate (2, +)	Rarely Appropriate (3, +)

Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
Difficult to treat microorganism									
Scenario 35: Superficial (Suprafascial), Internal Fixation, Removal associated with low morbidity, Chronic, No organism identified	May Be Appropriate (4)	Appropriate (7)			Appropriate (7)	Appropriate (7, +)	Rarely Appropriate (3)	Rarely Appropriate (3, +)	Rarely Appropriate (3)
Scenario 36: Superficial (Suprafascial), Internal Fixation, Removal associated with low	May Be Appropriate (4)	Appropriate (7)			Appropriate (7)	Appropriate (7)	Rarely Appropriate (3)	Rarely Appropriate (3, +)	Rarely Appropriate (3, +)



Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
morbidity, Chronic, No organism identified									
Scenario 37: Superficial (Suprafascial), Arthroplasty, Removal associated with high morbidity, Acute, Susceptible to routine oral or IV antibiotics	May Be Appropriate (5)	Appropriate (7)		May Be Appropriate (5, -)		Appropriate (7)	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)
Scenario 38: Superficial (Suprafascial), Arthroplasty, Removal associated with high	May Be Appropriate (6)	Appropriate (7, +)		May Be Appropriate (5, -)		Appropriate (7)	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)

Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
morbidity, Acute, Susceptible to routine oral or IV antibiotics									
Scenario 39: Superficial (Suprafascial), Arthroplasty, Removal associated with high morbidity, Acute, Difficult to treat microorganism	May Be Appropriate (4)	May Be Appropriate (6)		May Be Appropriate (5, -)		Appropriate (7, +)	Rarely Appropriate (3, +)	Rarely Appropriate (1, +)	Rarely Appropriate (2, +)
Scenario 40: Superficial (Suprafascial), Arthroplasty, Removal associated with high	May Be Appropriate (5)	Appropriate (7)		May Be Appropriate (6)		Appropriate (7)	Rarely Appropriate (3, +)	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)

Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
morbidity, Acute, Difficult to treat microorganism									
Scenario 41: Superficial (Suprafascial), Arthroplasty, Removal associated with high morbidity, Acute, No organism identified	May Be Appropriate (5)	Appropriate (7)		May Be Appropriate (5, -)		Appropriate (7, +)	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)
Scenario 42: Superficial (Suprafascial), Arthroplasty, Removal associated with high morbidity,	May Be Appropriate (5)	Appropriate (7)		May Be Appropriate (6)		Appropriate (7)	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)

Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
Acute, No organism identified									
Scenario 43: Superficial (Suprafascial), Arthroplasty, Removal associated with high morbidity, Chronic, Susceptible to routine oral or IV antibiotics	May Be Appropriate (5, +)	Appropriate (7)		May Be Appropriate (6)		Appropriate (7, +)	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)
Scenario 44: Superficial (Suprafascial), Arthroplasty, Removal associated with high morbidity,	May Be Appropriate (5)	Appropriate (7, +)		Appropriate (7)		Appropriate (7)	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)

<b>Scenario</b>	<b>Antimicrobial systemic treatment only</b>	<b>Local superficial non-surgical wound care and with or without antimicrobial therapy</b>	<b>Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal</b>	<b>Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy</b>
Chronic, Susceptible to routine oral or IV antibiotics									
Scenario 45: Superficial (Suprafascial), Arthroplasty, Removal associated with high morbidity, Chronic, Difficult to treat microorganism	May Be Appropriate (5)	May Be Appropriate (6)		May Be Appropriate (6)		Appropriate (8, +)	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)
Scenario 46: Superficial (Suprafascial), Arthroplasty, Removal associated with high	May Be Appropriate (5)	Appropriate (7)		Appropriate (7)		Appropriate (7, +)	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)

Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
morbidity, Chronic, Difficult to treat microorganism									
Scenario 47: Superficial (Suprafascial), Arthroplasty, Removal associated with high morbidity, Chronic, No organism identified	May Be Appropriate (5)	Appropriate (7)		May Be Appropriate (5)		Appropriate (8, +)	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)
Scenario 48: Superficial (Suprafascial), Arthroplasty, Removal associated with high	May Be Appropriate (5)	Appropriate (7)		May Be Appropriate (5)		Appropriate (7, +)	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)	Rarely Appropriate (3, +)

Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
morbidity, Chronic, No organism identified									
Scenario 49: Superficial (Suprafascial), Arthroplasty, Removal associated with low morbidity, Acute, Susceptible to routine oral or IV antibiotics	May Be Appropriate (5)	Appropriate (7)		Rarely Appropriate (3)		Appropriate (7)	Rarely Appropriate (3, +)	Rarely Appropriate (3, +)	Rarely Appropriate (3, +)
Scenario 50: Superficial (Suprafascial), Arthroplasty, Removal associated with low	May Be Appropriate (6)	Appropriate (8)		May Be Appropriate (4)		Appropriate (7)	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)

<b>Scenario</b>	<b>Antimicrobial systemic treatment only</b>	<b>Local superficial non-surgical wound care and with or without antimicrobial therapy</b>	<b>Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal</b>	<b>Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy</b>
morbidity, Acute, Susceptible to routine oral or IV antibiotics									
Scenario 51: Superficial (Suprafascial), Arthroplasty, Removal associated with low morbidity, Acute, Difficult to treat microorganism	May Be Appropriate (4)	May Be Appropriate (6)		Rarely Appropriate (3)		Appropriate (7)	Rarely Appropriate (2, +)	Rarely Appropriate (1, +)	Rarely Appropriate (2, +)
Scenario 52: Superficial (Suprafascial), Arthroplasty, Removal associated with low	May Be Appropriate (5)	Appropriate (7)		May Be Appropriate (5)		Appropriate (7, +)	Rarely Appropriate (3, +)	Rarely Appropriate (2, +)	Rarely Appropriate (3, +)



Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
morbidity, Acute, Difficult to treat microorganism									
Scenario 53: Superficial (Suprafascial), Arthroplasty, Removal associated with low morbidity, Acute, No organism identified	May Be Appropriate (4)	Appropriate (7)		May Be Appropriate (5, -)		Appropriate (7, +)	Rarely Appropriate (2, +)	Rarely Appropriate (3, +)	Rarely Appropriate (3, +)
Scenario 54: Superficial (Suprafascial), Arthroplasty, Removal associated with low morbidity,	May Be Appropriate (4)	Appropriate (7)		May Be Appropriate (4)		Appropriate (7, +)	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)

Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
Acute, No organism identified									
Scenario 55: Superficial (Suprafascial), Arthroplasty, Removal associated with low morbidity, Chronic, Susceptible to routine oral or IV antibiotics	May Be Appropriate (5)	Appropriate (7)		May Be Appropriate (5, -)		Appropriate (8, +)	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)
Scenario 56: Superficial (Suprafascial), Arthroplasty, Removal associated with low morbidity,	May Be Appropriate (6)	Appropriate (7, +)		May Be Appropriate (5)		Appropriate (7, +)	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)

<b>Scenario</b>	<b>Antimicrobial systemic treatment only</b>	<b>Local superficial non-surgical wound care and with or without antimicrobial therapy</b>	<b>Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal</b>	<b>Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy</b>
Chronic, Susceptible to routine oral or IV antibiotics									
Scenario 57: Superficial (Suprafascial), Arthroplasty, Removal associated with low morbidity, Chronic, Difficult to treat microorganism	May Be Appropriate (5)	May Be Appropriate (6)		May Be Appropriate (5, -)		Appropriate (8, +)	Rarely Appropriate (2, +)	Rarely Appropriate (1, +)	Rarely Appropriate (2, +)
Scenario 58: Superficial (Suprafascial), Arthroplasty, Removal associated with low	May Be Appropriate (5)	Appropriate (7)		May Be Appropriate (5)		Appropriate (7, +)	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)

Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
morbidity, Chronic, Difficult to treat microorganism									
Scenario 59: Superficial (Suprafascial), Arthroplasty, Removal associated with low morbidity, Chronic, No organism identified	May Be Appropriate (5)	Appropriate (7)		May Be Appropriate (5, -)		Appropriate (8, +)	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)
Scenario 60: Superficial (Suprafascial), Arthroplasty, Removal associated with low	May Be Appropriate (4)	Appropriate (7)		May Be Appropriate (4)		Appropriate (7, +)	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)

Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
morbidity, Chronic, No organism identified									
Scenario 61: Superficial (Suprafascial), Biologic implant eg. (ligament, tendon, bone, other tissue graft), Removal associated with high morbidity, Acute, Susceptible to routine oral or IV antibiotics	May Be Appropriate (6)	Appropriate (7)	Appropriate (7, +)		May Be Appropriate (4)	May Be Appropriate (5)	Rarely Appropriate (2, +)	Rarely Appropriate (3, +)	Rarely Appropriate (3, +)

Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
Scenario 62: Superficial (Suprafascial), Biologic implant eg. (ligament, tendon, bone, other tissue graft), Removal associated with high morbidity, Acute, Susceptible to routine oral or IV antibiotics	Appropriate (7)	Appropriate (7, +)	Appropriate (7)		May Be Appropriate (4)	May Be Appropriate (4)	Rarely Appropriate (3, +)	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)
Scenario 63: Superficial (Suprafascial), Biologic implant eg. (ligament,	May Be Appropriate (5)	May Be Appropriate (6)	Appropriate (8, +)		May Be Appropriate (5)	May Be Appropriate (5)	Rarely Appropriate (2, +)	Rarely Appropriate (1, +)	Rarely Appropriate (2, +)

Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
tendon, bone, other tissue graft), Removal associated with high morbidity, Acute, Difficult to treat microorganism									
Scenario 64: Superficial (Suprafascial), Biologic implant eg. (ligament, tendon, bone, other tissue graft), Removal associated with high morbidity,	May Be Appropriate (4)	Appropriate (7)	Appropriate (7)		May Be Appropriate (6)	May Be Appropriate (6)	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)

Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
Acute, Difficult to treat microorganism									
Scenario 65: Superficial (Suprafascial), Biologic implant eg. (ligament, tendon, bone, other tissue graft), Removal associated with high morbidity, Acute, No organism identified	May Be Appropriate (4)	Appropriate (7)	Appropriate (8, +)		May Be Appropriate (6)	May Be Appropriate (6)	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)	Rarely Appropriate (1, +)
Scenario 66: Superficial (Suprafascial), Biologic	May Be Appropriate (5)	Appropriate (7)	Appropriate (7)		May Be Appropriate (5)	May Be Appropriate (6)	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)



Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
implant eg. (ligament, tendon, bone, other tissue graft), Removal associated with high morbidity, Acute, No organism identified									
Scenario 67: Superficial (Suprafascial), Biologic implant eg. (ligament, tendon, bone, other tissue graft), Removal associated	May Be Appropriate (5)	Appropriate (7)	Appropriate (8, +)		May Be Appropriate (4)	Appropriate (7)	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)

Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
with high morbidity, Chronic, Susceptible to routine oral or IV antibiotics									
Scenario 68: Superficial (Suprafascial), Biologic implant eg. (ligament, tendon, bone, other tissue graft), Removal associated with high morbidity, Chronic, Susceptible to routine oral or IV antibiotics	May Be Appropriate (5)	Appropriate (7, +)	Appropriate (7, +)		May Be Appropriate (5)	May Be Appropriate (5)	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)

<b>Scenario</b>	<b>Antimicrobial systemic treatment only</b>	<b>Local superficial non-surgical wound care and with or without antimicrobial therapy</b>	<b>Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal</b>	<b>Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy</b>
Scenario 69: Superficial (Suprafascial), Biologic implant eg. (ligament, tendon, bone, other tissue graft), Removal associated with high morbidity, Chronic, Difficult to treat microorganism	May Be Appropriate (5)	May Be Appropriate (6)	Appropriate (8, +)		May Be Appropriate (5)	Appropriate (7, +)	Rarely Appropriate (3, +)	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)
Scenario 70: Superficial (Suprafascial), Biologic implant eg. (ligament,	May Be Appropriate (5)	Appropriate (7)	Appropriate (7, +)		May Be Appropriate (5)	Appropriate (7)	Rarely Appropriate (3, +)	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)

Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
tendon, bone, other tissue graft), Removal associated with high morbidity, Chronic, Difficult to treat microorganism									
Scenario 71: Superficial (Suprafascial), Biologic implant eg. (ligament, tendon, bone, other tissue graft), Removal associated with high	May Be Appropriate (5)	Appropriate (7)	Appropriate (8, +)		May Be Appropriate (4)	Appropriate (7, +)	Rarely Appropriate (3, +)	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)

Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
morbidity, Chronic, No organism identified									
Scenario 72: Superficial (Suprafascial), Biologic implant eg. (ligament, tendon, bone, other tissue graft), Removal associated with high morbidity, Chronic, No organism identified	May Be Appropriate (5)	Appropriate (7)	Appropriate (7, +)		May Be Appropriate (5)	Appropriate (7)	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)

Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
Scenario 73: Superficial (Suprafascial), Biologic implant eg. (ligament, tendon, bone, other tissue graft), Removal associated with low morbidity, Acute, Susceptible to routine oral or IV antibiotics	May Be Appropriate (5)	Appropriate (7)	Appropriate (7, +)		May Be Appropriate (4)	Appropriate (7)	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)
Scenario 74: Superficial (Suprafascial), Biologic implant eg. (ligament,	May Be Appropriate (5)	Appropriate (8, +)	Appropriate (7)		May Be Appropriate (4)	May Be Appropriate (6)	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)

Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
tendon, bone, other tissue graft), Removal associated with low morbidity, Acute, Susceptible to routine oral or IV antibiotics									
Scenario 75: Superficial (Suprafascial), Biologic implant eg. (ligament, tendon, bone, other tissue graft), Removal associated with low	May Be Appropriate (4)	May Be Appropriate (6)	Appropriate (8, +)		May Be Appropriate (4)	Appropriate (7)	Rarely Appropriate (2, +)	Rarely Appropriate (1, +)	Rarely Appropriate (2, +)

<b>Scenario</b>	<b>Antimicrobial systemic treatment only</b>	<b>Local superficial non-surgical wound care and with or without antimicrobial therapy</b>	<b>Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal</b>	<b>Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy</b>
morbidity, Acute, Difficult to treat microorganism									
Scenario 76: Superficial (Suprafascial), Biologic implant eg. (ligament, tendon, bone, other tissue graft), Removal associated with low morbidity, Acute, Difficult to treat microorganism	May Be Appropriate (5)	Appropriate (7)	Appropriate (7)		May Be Appropriate (5)	Appropriate (7)	Rarely Appropriate (3, +)	Rarely Appropriate (2, +)	Rarely Appropriate (3, +)
Scenario 77: Superficial (Suprafascial),	May Be Appropriate (4)	Appropriate (7)	Appropriate (7, +)		May Be Appropriate (4)	Appropriate (7)	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)	Rarely Appropriate (2)



Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
Biologic implant eg. (ligament, tendon, bone, other tissue graft), Removal associated with low morbidity, Acute, No organism identified									
Scenario 78: Superficial (Suprafascial), Biologic implant eg. (ligament, tendon, bone, other tissue graft), Removal	May Be Appropriate (5)	Appropriate (7)	Appropriate (7)		May Be Appropriate (5)	Appropriate (7)	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)

Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
associated with low morbidity, Acute, No organism identified									
Scenario 79: Superficial (Suprafascial), Biologic implant eg. (ligament, tendon, bone, other tissue graft), Removal associated with low morbidity, Chronic, Susceptible to routine oral or IV antibiotics	May Be Appropriate (5)	Appropriate (7)	Appropriate (8, +)		May Be Appropriate (4)	May Be Appropriate (6)	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)

Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
Scenario 80: Superficial (Suprafascial), Biologic implant eg. (ligament, tendon, bone, other tissue graft), Removal associated with low morbidity, Chronic, Susceptible to routine oral or IV antibiotics	May Be Appropriate (6)	Appropriate (8, +)	Appropriate (7, +)		May Be Appropriate (6)	Appropriate (7)	Rarely Appropriate (3, +)	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)
Scenario 81: Superficial (Suprafascial), Biologic implant eg. (ligament,	May Be Appropriate (5)	May Be Appropriate (6)	Appropriate (8, +)		May Be Appropriate (4)	Appropriate (7, +)	Rarely Appropriate (3, +)	Rarely Appropriate (1, +)	Rarely Appropriate (2, +)

Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
tendon, bone, other tissue graft), Removal associated with low morbidity, Chronic, Difficult to treat microorganism									
Scenario 82: Superficial (Suprafascial), Biologic implant eg. (ligament, tendon, bone, other tissue graft), Removal associated with low	May Be Appropriate (4)	Appropriate (7, +)	Appropriate (7, +)		May Be Appropriate (5)	Appropriate (7)	Rarely Appropriate (3)	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)

<b>Scenario</b>	<b>Antimicrobial systemic treatment only</b>	<b>Local superficial non-surgical wound care and with or without antimicrobial therapy</b>	<b>Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal</b>	<b>Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy</b>
morbidity, Chronic, Difficult to treat microorganism									
Scenario 83: Superficial (Suprafascial), Biologic implant eg. (ligament, tendon, bone, other tissue graft), Removal associated with low morbidity, Chronic, No organism identified	May Be Appropriate (5)	Appropriate (7)	Appropriate (8, +)		May Be Appropriate (4)	Appropriate (7)	Rarely Appropriate (3, +)	Rarely Appropriate (3, +)	Rarely Appropriate (3, +)

Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
Scenario 84: Superficial (Suprafascial), Biologic implant eg. (ligament, tendon, bone, other tissue graft), Removal associated with low morbidity, Chronic, No organism identified	May Be Appropriate (5)	Appropriate (7)	Appropriate (7, +)		May Be Appropriate (5)	Appropriate (7)	Rarely Appropriate (3, +)	Rarely Appropriate (3, +)	Rarely Appropriate (3, +)
Scenario 85: Deep soft tissue only, None present (no hardware or biologic implant), No	May Be Appropriate (5)	May Be Appropriate (4)	Appropriate (9, +)						

Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
Implant (Hardware or Biologic implant) (automatically selects if no implant selected above), Acute, Susceptible to routine oral or IV antibiotics									
Scenario 86: Deep soft tissue only, None present (no hardware or biologic implant), No Implant (Hardware or Biologic implant)	May Be Appropriate (6)	May Be Appropriate (5)	Appropriate (8, +)						

Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
(automatically selects if no implant selected above), Acute, Susceptible to routine oral or IV antibiotics									
Scenario 87: Deep soft tissue only, None present (no hardware or biologic implant), No Implant (Hardware or Biologic implant) (automatically selects if no implant selected)	May Be Appropriate (4)	Rarely Appropriate (3)	Appropriate (9, +)						



Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
above), Acute, Difficult to treat microorganism									
Scenario 88: Deep soft tissue only, None present (no hardware or biologic implant), No Implant (Hardware or Biologic implant) (automatically selects if no implant selected above), Acute, Difficult to treat microorganism	May Be Appropriate (5)	May Be Appropriate (4)	Appropriate (8, +)						

Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
Scenario 89: Deep soft tissue only, None present (no hardware or biologic implant), No Implant (Hardware or Biologic implant) (automatically selects if no implant selected above), Acute, No organism identified	May Be Appropriate (4)	Rarely Appropriate (3)	Appropriate (8, +)						
Scenario 90: Deep soft tissue only, None present (no hardware	May Be Appropriate (6)	May Be Appropriate (4)	Appropriate (8, +)						

Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
or biologic implant), No Implant (Hardware or Biologic implant) (automatically selects if no implant selected above), Acute, No organism identified									
Scenario 91: Deep soft tissue only, None present (no hardware or biologic implant), No Implant (Hardware or Biologic	May Be Appropriate (4)	Rarely Appropriate (3)	Appropriate (8, +)						

Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
implant) (automatically selects if no implant selected above), Chronic, Susceptible to routine oral or IV antibiotics									
Scenario 92: Deep soft tissue only, None present (no hardware or biologic implant), No Implant (Hardware or Biologic implant) (automatically selects if no	May Be Appropriate (6)	May Be Appropriate (4)	Appropriate (8, +)						

Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
implant selected above), Chronic, Susceptible to routine oral or IV antibiotics									
Scenario 93: Deep soft tissue only, None present (no hardware or biologic implant), No Implant (Hardware or Biologic implant) (automatically selects if no implant selected above),	Rarely Appropriate (3)	Rarely Appropriate (3)	Appropriate (8, +)						

<b>Scenario</b>	<b>Antimicrobial systemic treatment only</b>	<b>Local superficial non-surgical wound care and with or without antimicrobial therapy</b>	<b>Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal</b>	<b>Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy</b>
Chronic, Difficult to treat microorganism									
Scenario 94: Deep soft tissue only, None present (no hardware or biologic implant), No Implant (Hardware or Biologic implant) (automatically selects if no implant selected above), Chronic, Difficult to	May Be Appropriate (5)	May Be Appropriate (4)	Appropriate (8, +)						

Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
treat microorganism									
Scenario 95: Deep soft tissue only, None present (no hardware or biologic implant), No Implant (Hardware or Biologic implant) (automatically selects if no implant selected above), Chronic, No organism identified	Rarely Appropriate (3)	Rarely Appropriate (3)	Appropriate (9, +)						

Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
Scenario 96: Deep soft tissue only, None present (no hardware or biologic implant), No Implant (Hardware or Biologic implant) (automatically selects if no implant selected above), Chronic, No organism identified	May Be Appropriate (5)	Rarely Appropriate (3)	Appropriate (8, +)						
Scenario 97: Bone, None present (no hardware or	May Be Appropriate (6)	May Be Appropriate (4)	Appropriate (9, +)						



Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
biologic implant), No Implant (Hardware or Biologic implant) (automatically selects if no implant selected above), Acute, Susceptible to routine oral or IV antibiotics									
Scenario 98: Bone, None present (no hardware or biologic implant), No Implant (Hardware or Biologic	Appropriate (7)	May Be Appropriate (4)	Appropriate (8, +)						

Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
implant) (automatically selects if no implant selected above), Acute, Susceptible to routine oral or IV antibiotics									
Scenario 99: Bone, None present (no hardware or biologic implant), No Implant (Hardware or Biologic implant) (automatically selects if no implant selected	May Be Appropriate (4)	May Be Appropriate (4)	Appropriate (9, +)						

Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
above), Acute, Difficult to treat microorganism									
Scenario 100: Bone, None present (no hardware or biologic implant), No Implant (Hardware or Biologic implant) (automatically selects if no implant selected above), Acute, Difficult to treat microorganism	May Be Appropriate (5)	May Be Appropriate (4)	Appropriate (8, +)						

<b>Scenario</b>	<b>Antimicrobial systemic treatment only</b>	<b>Local superficial non-surgical wound care and with or without antimicrobial therapy</b>	<b>Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal</b>	<b>Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy</b>
Scenario 101: Bone, None present (no hardware or biologic implant), No Implant (Hardware or Biologic implant) (automatically selects if no implant selected above), Acute, No organism identified	May Be Appropriate (4)	May Be Appropriate (4)	Appropriate (9, +)						
Scenario 102: Bone, None present (no hardware or biologic implant), No	May Be Appropriate (4)	May Be Appropriate (4)	Appropriate (8, +)						

Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
Implant (Hardware or Biologic implant) (automatically selects if no implant selected above), Acute, No organism identified									
Scenario 103: Bone, None present (no hardware or biologic implant), No Implant (Hardware or Biologic implant) (automatically selects if no	May Be Appropriate (4)	May Be Appropriate (4)	Appropriate (9, +)						

Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
implant selected above), Chronic, Susceptible to routine oral or IV antibiotics									
Scenario 104: Bone, None present (no hardware or biologic implant), No Implant (Hardware or Biologic implant) (automatically selects if no implant selected above), Chronic,	May Be Appropriate (6)	May Be Appropriate (4)	Appropriate (8, +)						

<b>Scenario</b>	<b>Antimicrobial systemic treatment only</b>	<b>Local superficial non-surgical wound care and with or without antimicrobial therapy</b>	<b>Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal</b>	<b>Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy</b>
Susceptible to routine oral or IV antibiotics									
Scenario 105: Bone, None present (no hardware or biologic implant), No Implant (Hardware or Biologic implant) (automatically selects if no implant selected above), Chronic, Difficult to treat microorganism	Rarely Appropriate (3)	Rarely Appropriate (3)	Appropriate (9, +)						

Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
Scenario 106: Bone, None present (no hardware or biologic implant), No Implant (Hardware or Biologic implant) (automatically selects if no implant selected above), Chronic, Difficult to treat microorganism	May Be Appropriate (5)	May Be Appropriate (4)	Appropriate (8, +)						
Scenario 107: Bone, None present (no hardware or	May Be Appropriate (4)	Rarely Appropriate (3)	Appropriate (9, +)						



Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
biologic implant), No Implant (Hardware or Biologic implant) (automatically selects if no implant selected above), Chronic, No organism identified									
Scenario 108: Bone, None present (no hardware or biologic implant), No Implant (Hardware or Biologic	May Be Appropriate (5)	May Be Appropriate (4)	Appropriate (8, +)						

Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
implant) (automatically selects if no implant selected above), Chronic, No organism identified									
Scenario 109: Bone, Internal Fixation, Removal associated with high morbidity, Acute, Susceptible to routine oral or IV antibiotics	Rarely Appropriate (3)	Rarely Appropriate (3)			Appropriate (7, +)	Appropriate (7, +)	May Be Appropriate (4)	May Be Appropriate (4)	May Be Appropriate (4)
Scenario 110: Bone, Internal Fixation,	May Be Appropriate (4)	Rarely Appropriate (3)			Appropriate (7, +)	Appropriate (8, +)	Rarely Appropriate (3)	May Be Appropriate (5, -)	May Be Appropriate (5, -)

Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
Removal associated with high morbidity, Acute, Susceptible to routine oral or IV antibiotics									
Scenario 111: Bone, Internal Fixation, Removal associated with high morbidity, Acute, Difficult to treat microorganism	Rarely Appropriate (3)	Rarely Appropriate (3)			Appropriate (8, +)	Appropriate (7, +)	May Be Appropriate (4)	May Be Appropriate (4)	Rarely Appropriate (3)
Scenario 112: Bone, Internal Fixation, Removal associated	Rarely Appropriate (3)	Rarely Appropriate (3)			Appropriate (7, +)	Appropriate (7, +)	Rarely Appropriate (3)	May Be Appropriate (4)	Rarely Appropriate (3)

<b>Scenario</b>	<b>Antimicrobial systemic treatment only</b>	<b>Local superficial non-surgical wound care and with or without antimicrobial therapy</b>	<b>Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal</b>	<b>Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy</b>
with high morbidity, Acute, Difficult to treat microorganism									
Scenario 113: Bone, Internal Fixation, Removal associated with high morbidity, Acute, No organism identified	Rarely Appropriate (3, +)	Rarely Appropriate (3)			Appropriate (7)	Appropriate (7, +)	Rarely Appropriate (3)	May Be Appropriate (5)	Rarely Appropriate (3)
Scenario 114: Bone, Internal Fixation, Removal associated with high morbidity, Acute, No	May Be Appropriate (4)	May Be Appropriate (4)			Appropriate (7, +)	Appropriate (7, +)	May Be Appropriate (4)	May Be Appropriate (4)	Rarely Appropriate (3)

Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
organism identified									
Scenario 115: Bone, Internal Fixation, Removal associated with high morbidity, Chronic, Susceptible to routine oral or IV antibiotics	May Be Appropriate (4)	Rarely Appropriate (3)			Appropriate (7)	Appropriate (7, +)	May Be Appropriate (4)	May Be Appropriate (6)	May Be Appropriate (4)
Scenario 116: Bone, Internal Fixation, Removal associated with high morbidity, Chronic, Susceptible to	May Be Appropriate (5, +)	May Be Appropriate (5)			Appropriate (7, +)	Appropriate (7, +)	May Be Appropriate (4)	May Be Appropriate (5)	Rarely Appropriate (3)

<b>Scenario</b>	<b>Antimicrobial systemic treatment only</b>	<b>Local superficial non-surgical wound care and with or without antimicrobial therapy</b>	<b>Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal</b>	<b>Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy</b>
routine oral or IV antibiotics									
Scenario 117: Bone, Internal Fixation, Removal associated with high morbidity, Chronic, Difficult to treat microorganism	Rarely Appropriate (3)	Rarely Appropriate (3, +)			Appropriate (7)	Appropriate (8, +)	May Be Appropriate (4)	May Be Appropriate (5)	May Be Appropriate (4)
Scenario 118: Bone, Internal Fixation, Removal associated with high morbidity, Chronic, Difficult to	May Be Appropriate (4)	May Be Appropriate (4)			Appropriate (7, +)	Appropriate (7, +)	May Be Appropriate (4)	May Be Appropriate (5)	May Be Appropriate (4)

Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
treat microorganism									
Scenario 119: Bone, Internal Fixation, Removal associated with high morbidity, Chronic, No organism identified	Rarely Appropriate (3)	Rarely Appropriate (3)			Appropriate (7, +)	Appropriate (7, +)	May Be Appropriate (4)	May Be Appropriate (5)	May Be Appropriate (4)
Scenario 120: Bone, Internal Fixation, Removal associated with high morbidity, Chronic, No organism identified	May Be Appropriate (4)	May Be Appropriate (4)			Appropriate (7, +)	Appropriate (7, +)	May Be Appropriate (4)	May Be Appropriate (5, +)	May Be Appropriate (4)

Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
Scenario 121: Bone, Internal Fixation, Removal associated with low morbidity, Acute, Susceptible to routine oral or IV antibiotics	Rarely Appropriate (3)	Rarely Appropriate (3)			Appropriate (7)	Appropriate (7, +)	May Be Appropriate (5, -)	Appropriate (7)	Appropriate (7)
Scenario 122: Bone, Internal Fixation, Removal associated with low morbidity, Acute, Susceptible to routine oral or IV antibiotics	May Be Appropriate (4)	Rarely Appropriate (3)			Appropriate (7)	Appropriate (7)	May Be Appropriate (6)	May Be Appropriate (6)	May Be Appropriate (5)



<b>Scenario</b>	<b>Antimicrobial systemic treatment only</b>	<b>Local superficial non-surgical wound care and with or without antimicrobial therapy</b>	<b>Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal</b>	<b>Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy</b>
Scenario 123: Bone, Internal Fixation, Removal associated with low morbidity, Acute, Difficult to treat microorganism	Rarely Appropriate (3, +)	Rarely Appropriate (3, +)			Appropriate (7)	Appropriate (7, +)	May Be Appropriate (6)	Appropriate (7)	Appropriate (7)
Scenario 124: Bone, Internal Fixation, Removal associated with low morbidity, Acute, Difficult to treat microorganism	Rarely Appropriate (3)	Rarely Appropriate (3)			May Be Appropriate (6)	Appropriate (7)	May Be Appropriate (5)	May Be Appropriate (5)	May Be Appropriate (4)
Scenario 125: Bone, Internal Fixation,	Rarely Appropriate (3)	Rarely Appropriate (3)			Appropriate (7)	Appropriate (7, +)	May Be Appropriate (5)	Appropriate (7)	May Be Appropriate (5, -)

Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
Removal associated with low morbidity, Acute, No organism identified									
Scenario 126: Bone, Internal Fixation, Removal associated with low morbidity, Acute, No organism identified	May Be Appropriate (4)	Rarely Appropriate (3)			Appropriate (7)	Appropriate (7)	May Be Appropriate (5)	May Be Appropriate (5)	May Be Appropriate (4)
Scenario 127: Bone, Internal Fixation, Removal associated with low	Rarely Appropriate (3)	Rarely Appropriate (3)			Appropriate (7)	Appropriate (7, +)	May Be Appropriate (6)	Appropriate (7)	Appropriate (7)

<b>Scenario</b>	<b>Antimicrobial systemic treatment only</b>	<b>Local superficial non-surgical wound care and with or without antimicrobial therapy</b>	<b>Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal</b>	<b>Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy</b>
morbidity, Chronic, Susceptible to routine oral or IV antibiotics									
Scenario 128: Bone, Internal Fixation, Removal associated with low morbidity, Chronic, Susceptible to routine oral or IV antibiotics	May Be Appropriate (4)	May Be Appropriate (4)			Appropriate (7)	May Be Appropriate (6)	Appropriate (7)	May Be Appropriate (6)	May Be Appropriate (5)
Scenario 129: Bone, Internal Fixation, Removal associated with low morbidity,	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)			May Be Appropriate (5)	May Be Appropriate (6)	Appropriate (7)	May Be Appropriate (6)	Appropriate (7)

<b>Scenario</b>	<b>Antimicrobial systemic treatment only</b>	<b>Local superficial non-surgical wound care and with or without antimicrobial therapy</b>	<b>Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal</b>	<b>Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy</b>
Chronic, Difficult to treat microorganism									
Scenario 130: Bone, Internal Fixation, Removal associated with low morbidity, Chronic, Difficult to treat microorganism	May Be Appropriate (4)	Rarely Appropriate (3)			Appropriate (7)	May Be Appropriate (6)	Appropriate (7)	May Be Appropriate (6)	May Be Appropriate (5)
Scenario 131: Bone, Internal Fixation, Removal associated with low morbidity, Chronic, No	Rarely Appropriate (3, +)	Rarely Appropriate (3, +)			May Be Appropriate (6)	Appropriate (7)	May Be Appropriate (6)	Appropriate (7)	Appropriate (7)

<b>Scenario</b>	<b>Antimicrobial systemic treatment only</b>	<b>Local superficial non-surgical wound care and with or without antimicrobial therapy</b>	<b>Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal</b>	<b>Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy</b>
organism identified									
Scenario 132: Bone, Internal Fixation, Removal associated with low morbidity, Chronic, No organism identified	May Be Appropriate (4)	Rarely Appropriate (3)			Appropriate (7)	Appropriate (7)	Appropriate (7)	May Be Appropriate (6)	May Be Appropriate (5)
Scenario 133: Bone, Arthroplasty, Removal associated with high morbidity, Acute, Susceptible to routine oral or IV antibiotics	Rarely Appropriate (3, +)	Rarely Appropriate (3, +)		May Be Appropriate (6)		Appropriate (8, +)	Rarely Appropriate (3)	May Be Appropriate (6)	May Be Appropriate (5)

<b>Scenario</b>	<b>Antimicrobial systemic treatment only</b>	<b>Local superficial non-surgical wound care and with or without antimicrobial therapy</b>	<b>Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal</b>	<b>Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy</b>
Scenario 134: Bone, Arthroplasty, Removal associated with high morbidity, Acute, Susceptible to routine oral or IV antibiotics	Rarely Appropriate (3)	Rarely Appropriate (3)		May Be Appropriate (6)		Appropriate (8, +)	May Be Appropriate (4)	May Be Appropriate (4)	May Be Appropriate (4)
Scenario 135: Bone, Arthroplasty, Removal associated with high morbidity, Acute, Difficult to treat microorganism	Rarely Appropriate (3, +)	Rarely Appropriate (3, +)		May Be Appropriate (5)		Appropriate (8, +)	May Be Appropriate (4)	May Be Appropriate (6)	Appropriate (7)

<b>Scenario</b>	<b>Antimicrobial systemic treatment only</b>	<b>Local superficial non-surgical wound care and with or without antimicrobial therapy</b>	<b>Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal</b>	<b>Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy</b>
Scenario 136: Bone, Arthroplasty, Removal associated with high morbidity, Acute, Difficult to treat microorganism	Rarely Appropriate (3, +)	Rarely Appropriate (3, +)		May Be Appropriate (6)		Appropriate (7, +)	May Be Appropriate (4)	May Be Appropriate (5)	May Be Appropriate (6)
Scenario 137: Bone, Arthroplasty, Removal associated with high morbidity, Acute, No organism identified	Rarely Appropriate (3, +)	Rarely Appropriate (3, +)		May Be Appropriate (5)		Appropriate (8, +)	May Be Appropriate (4)	May Be Appropriate (6)	May Be Appropriate (5)
Scenario 138: Bone, Arthroplasty,	Rarely Appropriate (3)	Rarely Appropriate (3)		May Be Appropriate (6)		Appropriate (8, +)	May Be Appropriate (4)	May Be Appropriate (6)	May Be Appropriate (5)

<b>Scenario</b>	<b>Antimicrobial systemic treatment only</b>	<b>Local superficial non-surgical wound care and with or without antimicrobial therapy</b>	<b>Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal</b>	<b>Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy</b>
Removal associated with high morbidity, Acute, No organism identified									
Scenario 139: Bone, Arthroplasty, Removal associated with high morbidity, Chronic, Susceptible to routine oral or IV antibiotics	Rarely Appropriate (3, +)	Rarely Appropriate (2, +)		May Be Appropriate (5)		May Be Appropriate (6)	May Be Appropriate (4)	May Be Appropriate (6)	Appropriate (8)
Scenario 140: Bone, Arthroplasty, Removal associated	May Be Appropriate (4)	Rarely Appropriate (3, +)		Appropriate (7)		Appropriate (7)	May Be Appropriate (4)	May Be Appropriate (4)	May Be Appropriate (4)



<b>Scenario</b>	<b>Antimicrobial systemic treatment only</b>	<b>Local superficial non-surgical wound care and with or without antimicrobial therapy</b>	<b>Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal</b>	<b>Surgical debridement (superficial and/or deep) and implant retention/partial exchange/partial removal and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy</b>
with high morbidity, Chronic, Susceptible to routine oral or IV antibiotics									
Scenario 141: Bone, Arthroplasty, Removal associated with high morbidity, Chronic, Difficult to treat microorganism	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)		May Be Appropriate (4)		May Be Appropriate (6)	May Be Appropriate (4)	May Be Appropriate (4)	Appropriate (7)
Scenario 142: Bone, Arthroplasty, Removal associated with high	Rarely Appropriate (3, +)	Rarely Appropriate (3, +)		May Be Appropriate (5)		May Be Appropriate (6)	May Be Appropriate (5, +)	May Be Appropriate (5)	May Be Appropriate (5)

Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
morbidity, Chronic, Difficult to treat microorganism									
Scenario 143: Bone, Arthroplasty, Removal associated with high morbidity, Chronic, No organism identified	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)		May Be Appropriate (4)		May Be Appropriate (5)	May Be Appropriate (4)	May Be Appropriate (6)	Appropriate (7)
Scenario 144: Bone, Arthroplasty, Removal associated with high morbidity, Chronic, No	Rarely Appropriate (3)	Rarely Appropriate (3, +)		May Be Appropriate (6)		Appropriate (7)	May Be Appropriate (4)	May Be Appropriate (4)	May Be Appropriate (5)

Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
organism identified									
Scenario 145: Bone, Arthroplasty, Removal associated with low morbidity, Acute, Susceptible to routine oral or IV antibiotics	Rarely Appropriate (3, +)	Rarely Appropriate (3, +)		May Be Appropriate (4)		Appropriate (7, +)	Rarely Appropriate (3)	Appropriate (7)	May Be Appropriate (6)
Scenario 146: Bone, Arthroplasty, Removal associated with low morbidity, Acute, Susceptible to	Rarely Appropriate (3, +)	Rarely Appropriate (3, +)		May Be Appropriate (5)		Appropriate (7, +)	May Be Appropriate (4)	May Be Appropriate (6)	May Be Appropriate (4)

<b>Scenario</b>	<b>Antimicrobial systemic treatment only</b>	<b>Local superficial non-surgical wound care and with or without antimicrobial therapy</b>	<b>Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal</b>	<b>Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy</b>
routine oral or IV antibiotics									
Scenario 147: Bone, Arthroplasty, Removal associated with low morbidity, Acute, Difficult to treat microorganism	Rarely Appropriate (3, +)	Rarely Appropriate (2, +)		May Be Appropriate (4)		Appropriate (7, +)	May Be Appropriate (5)	May Be Appropriate (6)	Appropriate (7, +)
Scenario 148: Bone, Arthroplasty, Removal associated with low morbidity, Acute, Difficult to treat microorganism	Rarely Appropriate (3, +)	Rarely Appropriate (3, +)		May Be Appropriate (5)		Appropriate (7)	May Be Appropriate (5)	May Be Appropriate (6)	Appropriate (7)

<b>Scenario</b>	<b>Antimicrobial systemic treatment only</b>	<b>Local superficial non-surgical wound care and with or without antimicrobial therapy</b>	<b>Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal</b>	<b>Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy</b>
Scenario 149: Bone, Arthroplasty, Removal associated with low morbidity, Acute, No organism identified	Rarely Appropriate (3, +)	Rarely Appropriate (3, +)		May Be Appropriate (4)		Appropriate (8, +)	May Be Appropriate (4)	May Be Appropriate (6)	Appropriate (7)
Scenario 150: Bone, Arthroplasty, Removal associated with low morbidity, Acute, No organism identified	Rarely Appropriate (3, +)	Rarely Appropriate (3, +)		May Be Appropriate (6)		Appropriate (7, +)	May Be Appropriate (5, +)	May Be Appropriate (6)	May Be Appropriate (5)
Scenario 151: Bone, Arthroplasty,	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)		Rarely Appropriate (3)		May Be Appropriate (4)	May Be Appropriate (4)	Appropriate (7, +)	Appropriate (8, +)

Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
Removal associated with low morbidity, Chronic, Susceptible to routine oral or IV antibiotics									
Scenario 152: Bone, Arthroplasty, Removal associated with low morbidity, Chronic, Susceptible to routine oral or IV antibiotics	Rarely Appropriate (3, +)	Rarely Appropriate (2, +)		May Be Appropriate (5)		May Be Appropriate (6)	May Be Appropriate (6)	Appropriate (7)	May Be Appropriate (6)
Scenario 153: Bone, Arthroplasty, Removal	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)		Rarely Appropriate (3)		May Be Appropriate (4)	May Be Appropriate (5, +)	May Be Appropriate (5)	Appropriate (8, +)

<b>Scenario</b>	<b>Antimicrobial systemic treatment only</b>	<b>Local superficial non-surgical wound care and with or without antimicrobial therapy</b>	<b>Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal</b>	<b>Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy</b>
associated with low morbidity, Chronic, Difficult to treat microorganism									
Scenario 154: Bone, Arthroplasty, Removal associated with low morbidity, Chronic, Difficult to treat microorganism	Rarely Appropriate (3, +)	Rarely Appropriate (3, +)		May Be Appropriate (4)		May Be Appropriate (5)	May Be Appropriate (6)	May Be Appropriate (5)	Appropriate (7)
Scenario 155: Bone, Arthroplasty, Removal associated	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)		Rarely Appropriate (3, +)		May Be Appropriate (4)	May Be Appropriate (5)	Appropriate (7, +)	Appropriate (8, +)

<b>Scenario</b>	<b>Antimicrobial systemic treatment only</b>	<b>Local superficial non-surgical wound care and with or without antimicrobial therapy</b>	<b>Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal</b>	<b>Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy</b>
with low morbidity, Chronic, No organism identified									
Scenario 156: Bone, Arthroplasty, Removal associated with low morbidity, Chronic, No organism identified	Rarely Appropriate (3, +)	Rarely Appropriate (2, +)		May Be Appropriate (4)		May Be Appropriate (5)	Appropriate (7)	Appropriate (7)	May Be Appropriate (6)
Scenario 157: Bone, Biologic implant eg. (ligament, tendon, bone, other tissue graft), Removal	Rarely Appropriate (3)	Rarely Appropriate (3, +)	Appropriate (7, +)		May Be Appropriate (6)	Appropriate (7)	Rarely Appropriate (3)	May Be Appropriate (4)	May Be Appropriate (4)



Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
associated with high morbidity, Acute, Susceptible to routine oral or IV antibiotics									
Scenario 158: Bone, Biologic implant eg. (ligament, tendon, bone, other tissue graft), Removal associated with high morbidity, Acute, Susceptible to routine oral or IV antibiotics	May Be Appropriate (4)	Rarely Appropriate (3)	Appropriate (7, +)		May Be Appropriate (6)	Appropriate (7)	May Be Appropriate (4)	May Be Appropriate (4)	Rarely Appropriate (3)

Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
Scenario 159: Bone, Biologic implant eg. (ligament, tendon, bone, other tissue graft), Removal associated with high morbidity, Acute, Difficult to treat microorganism	Rarely Appropriate (3, +)	Rarely Appropriate (3, +)	Appropriate (7, +)		Appropriate (7)	Appropriate (7)	Rarely Appropriate (3)	May Be Appropriate (4)	May Be Appropriate (4)
Scenario 160: Bone, Biologic implant eg. (ligament, tendon, bone, other tissue graft), Removal associated	Rarely Appropriate (3)	Rarely Appropriate (3, +)	Appropriate (7, +)		Appropriate (7)	May Be Appropriate (6)	May Be Appropriate (4)	Rarely Appropriate (3)	Rarely Appropriate (3)

<b>Scenario</b>	<b>Antimicrobial systemic treatment only</b>	<b>Local superficial non-surgical wound care and with or without antimicrobial therapy</b>	<b>Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal</b>	<b>Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy</b>
with high morbidity, Acute, Difficult to treat microorganism									
Scenario 161: Bone, Biologic implant eg. (ligament, tendon, bone, other tissue graft), Removal associated with high morbidity, Acute, No organism identified	Rarely Appropriate (3, +)	Rarely Appropriate (3, +)	Appropriate (7, +)		May Be Appropriate (6)	Appropriate (7)	Rarely Appropriate (3)	May Be Appropriate (4)	May Be Appropriate (4)
Scenario 162: Bone, Biologic implant eg. (ligament,	Rarely Appropriate (3)	Rarely Appropriate (3, +)	Appropriate (7, +)		Appropriate (7)	May Be Appropriate (6)	May Be Appropriate (4)	May Be Appropriate (4)	May Be Appropriate (4)

Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
tendon, bone, other tissue graft), Removal associated with high morbidity, Acute, No organism identified									
Scenario 163: Bone, Biologic implant eg. (ligament, tendon, bone, other tissue graft), Removal associated with high morbidity, Chronic, Susceptible to	Rarely Appropriate (3, +)	Rarely Appropriate (2, +)	Appropriate (7, +)		May Be Appropriate (6)	Appropriate (7, +)	May Be Appropriate (4)	May Be Appropriate (5)	May Be Appropriate (5)

Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
routine oral or IV antibiotics									
Scenario 164: Bone, Biologic implant eg. (ligament, tendon, bone, other tissue graft), Removal associated with high morbidity, Chronic, Susceptible to routine oral or IV antibiotics	May Be Appropriate (4)	Rarely Appropriate (3)	Appropriate (7)		May Be Appropriate (6)	Appropriate (7)	May Be Appropriate (4)	May Be Appropriate (4)	May Be Appropriate (4)
Scenario 165: Bone, Biologic implant eg. (ligament, tendon, bone,	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)	Appropriate (7, +)		May Be Appropriate (5)	Appropriate (7, +)	May Be Appropriate (4)	May Be Appropriate (4)	May Be Appropriate (5)

Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
other tissue graft), Removal associated with high morbidity, Chronic, Difficult to treat microorganism									
Scenario 166: Bone, Biologic implant eg. (ligament, tendon, bone, other tissue graft), Removal associated with high morbidity, Chronic, Difficult to	Rarely Appropriate (3)	Rarely Appropriate (3, +)	May Be Appropriate (6)		May Be Appropriate (6)	Appropriate (7)	May Be Appropriate (4)	May Be Appropriate (4)	May Be Appropriate (4)

Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
treat microorganism									
Scenario 167: Bone, Biologic implant eg. (ligament, tendon, bone, other tissue graft), Removal associated with high morbidity, Chronic, No organism identified	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)	Appropriate (7, +)		May Be Appropriate (5)	Appropriate (7)	May Be Appropriate (4)	May Be Appropriate (5)	May Be Appropriate (5)
Scenario 168: Bone, Biologic implant eg. (ligament, tendon, bone, other tissue	Rarely Appropriate (3)	Rarely Appropriate (3, +)	Appropriate (7)		May Be Appropriate (6)	Appropriate (7)	May Be Appropriate (4)	May Be Appropriate (4)	May Be Appropriate (4)

Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
graft), Removal associated with high morbidity, Chronic, No organism identified									
Scenario 169: Bone, Biologic implant eg. (ligament, tendon, bone, other tissue graft), Removal associated with low morbidity, Acute, Susceptible to routine oral or IV antibiotics	Rarely Appropriate (3)	Rarely Appropriate (3, +)	Appropriate (7, +)		May Be Appropriate (6)	Appropriate (7)	May Be Appropriate (5)	May Be Appropriate (6)	May Be Appropriate (5)



<b>Scenario</b>	<b>Antimicrobial systemic treatment only</b>	<b>Local superficial non-surgical wound care and with or without antimicrobial therapy</b>	<b>Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal</b>	<b>Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy</b>
Scenario 170: Bone, Biologic implant eg. (ligament, tendon, bone, other tissue graft), Removal associated with low morbidity, Acute, Susceptible to routine oral or IV antibiotics	Rarely Appropriate (3)	Rarely Appropriate (3, +)	Appropriate (7, +)		May Be Appropriate (6)	Appropriate (7)	May Be Appropriate (5)	May Be Appropriate (6)	May Be Appropriate (4)
Scenario 171: Bone, Biologic implant eg. (ligament, tendon, bone, other tissue graft), Removal	Rarely Appropriate (3, +)	Rarely Appropriate (3, +)	Appropriate (7)		May Be Appropriate (6)	Appropriate (7)	May Be Appropriate (5, -)	May Be Appropriate (6)	May Be Appropriate (6)

Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
associated with low morbidity, Acute, Difficult to treat microorganism									
Scenario 172: Bone, Biologic implant eg. (ligament, tendon, bone, other tissue graft), Removal associated with low morbidity, Acute, Difficult to treat microorganism	Rarely Appropriate (3, +)	Rarely Appropriate (3, +)	Appropriate (7)		Appropriate (7)	Appropriate (7)	May Be Appropriate (5)	May Be Appropriate (6)	May Be Appropriate (5)
Scenario 173: Bone, Biologic implant eg.	Rarely Appropriate (3, +)	Rarely Appropriate (3, +)	Appropriate (7, +)		May Be Appropriate (6)	Appropriate (7)	May Be Appropriate (5)	Appropriate (7)	May Be Appropriate (6)

Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
(ligament, tendon, bone, other tissue graft), Removal associated with low morbidity, Acute, No organism identified									
Scenario 174: Bone, Biologic implant eg. (ligament, tendon, bone, other tissue graft), Removal associated with low morbidity, Acute, No	Rarely Appropriate (3, +)	Rarely Appropriate (3, +)	Appropriate (7, +)		May Be Appropriate (6)	Appropriate (7)	May Be Appropriate (5)	May Be Appropriate (6)	May Be Appropriate (5)

Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
organism identified									
Scenario 175: Bone, Biologic implant eg. (ligament, tendon, bone, other tissue graft), Removal associated with low morbidity, Chronic, Susceptible to routine oral or IV antibiotics	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)	May Be Appropriate (6)		May Be Appropriate (4)	Appropriate (7)	May Be Appropriate (6)	Appropriate (7, +)	Appropriate (7, +)
Scenario 176: Bone, Biologic implant eg. (ligament, tendon, bone,	Rarely Appropriate (3, +)	Rarely Appropriate (3, +)	May Be Appropriate (6)		May Be Appropriate (6)	May Be Appropriate (6)	May Be Appropriate (6)	Appropriate (7)	May Be Appropriate (5)

<b>Scenario</b>	<b>Antimicrobial systemic treatment only</b>	<b>Local superficial non-surgical wound care and with or without antimicrobial therapy</b>	<b>Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal</b>	<b>Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy</b>
other tissue graft), Removal associated with low morbidity, Chronic, Susceptible to routine oral or IV antibiotics									
Scenario 177: Bone, Biologic implant eg. (ligament, tendon, bone, other tissue graft), Removal associated with low morbidity, Chronic, Difficult to	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)	May Be Appropriate (6)		May Be Appropriate (5)	May Be Appropriate (6)	May Be Appropriate (6)	Appropriate (7)	Appropriate (7, +)

Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
treat microorganism									
Scenario 178: Bone, Biologic implant eg. (ligament, tendon, bone, other tissue graft), Removal associated with low morbidity, Chronic, Difficult to treat microorganism	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)	May Be Appropriate (6)		May Be Appropriate (6)	May Be Appropriate (6)	May Be Appropriate (6)	May Be Appropriate (6)	May Be Appropriate (5)
Scenario 179: Bone, Biologic implant eg. (ligament, tendon, bone,	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)	May Be Appropriate (6)		May Be Appropriate (6)	Appropriate (7)	May Be Appropriate (5)	Appropriate (7)	Appropriate (7)

Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
other tissue graft), Removal associated with low morbidity, Chronic, No organism identified									
Scenario 180: Bone, Biologic implant eg. (ligament, tendon, bone, other tissue graft), Removal associated with low morbidity, Chronic, No organism identified	Rarely Appropriate (3, +)	Rarely Appropriate (2, +)	Appropriate (7)		May Be Appropriate (6)	Appropriate (7)	May Be Appropriate (6)	May Be Appropriate (6)	May Be Appropriate (6)

Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
Scenario 181: Joint, None present (no hardware or biologic implant), No Implant (Hardware or Biologic implant) (automatically selects if no implant selected above), Acute, Susceptible to routine oral or IV antibiotics	Rarely Appropriate (3, +)	Rarely Appropriate (3, +)	Appropriate (9, +)						
Scenario 182: Joint, None present (no hardware or biologic	May Be Appropriate (4)	Rarely Appropriate (3)	Appropriate (8, +)						



Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
implant), No Implant (Hardware or Biologic implant) (automatically selects if no implant selected above), Acute, Susceptible to routine oral or IV antibiotics									
Scenario 183: Joint, None present (no hardware or biologic implant), No Implant (Hardware or Biologic implant)	Rarely Appropriate (3, +)	Rarely Appropriate (3, +)	Appropriate (9, +)						

Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
(automatically selects if no implant selected above), Acute, Difficult to treat microorganism									
Scenario 184: Joint, None present (no hardware or biologic implant), No Implant (Hardware or Biologic implant) (automatically selects if no implant selected above), Acute,	May Be Appropriate (4)	Rarely Appropriate (3)	Appropriate (8, +)						

<b>Scenario</b>	<b>Antimicrobial systemic treatment only</b>	<b>Local superficial non-surgical wound care and with or without antimicrobial therapy</b>	<b>Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal</b>	<b>Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy</b>
Difficult to treat microorganism									
Scenario 185: Joint, None present (no hardware or biologic implant), No Implant (Hardware or Biologic implant) (automatically selects if no implant selected above), Acute, No organism identified	Rarely Appropriate (3, +)	Rarely Appropriate (3, +)	Appropriate (9, +)						

<b>Scenario</b>	<b>Antimicrobial systemic treatment only</b>	<b>Local superficial non-surgical wound care and with or without antimicrobial therapy</b>	<b>Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal</b>	<b>Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy</b>
Scenario 186: Joint, None present (no hardware or biologic implant), No Implant (Hardware or Biologic implant) (automatically selects if no implant selected above), Acute, No organism identified	May Be Appropriate (4)	Rarely Appropriate (3)	Appropriate (8, +)						
Scenario 187: Joint, None present (no hardware or biologic implant), No	Rarely Appropriate (3, +)	Rarely Appropriate (3, +)	Appropriate (9, +)						

Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
Implant (Hardware or Biologic implant) (automatically selects if no implant selected above), Chronic, Susceptible to routine oral or IV antibiotics									
Scenario 188: Joint, None present (no hardware or biologic implant), No Implant (Hardware or Biologic implant)	May Be Appropriate (4)	Rarely Appropriate (3)	Appropriate (8, +)						

Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
(automatically selects if no implant selected above), Chronic, Susceptible to routine oral or IV antibiotics									
Scenario 189: Joint, None present (no hardware or biologic implant), No Implant (Hardware or Biologic implant) (automatically selects if no implant selected)	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)	Appropriate (9, +)						

Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
above), Chronic, Difficult to treat microorganism									
Scenario 190: Joint, None present (no hardware or biologic implant), No Implant (Hardware or Biologic implant) (automatically selects if no implant selected above), Chronic, Difficult to	May Be Appropriate (4)	Rarely Appropriate (3)	Appropriate (8, +)						

Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
treat microorganism									
Scenario 191: Joint, None present (no hardware or biologic implant), No Implant (Hardware or Biologic implant) (automatically selects if no implant selected above), Chronic, No organism identified	Rarely Appropriate (2, +)	Rarely Appropriate (3, +)	Appropriate (9, +)						



Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
Scenario 192: Joint, None present (no hardware or biologic implant), No Implant (Hardware or Biologic implant) (automatically selects if no implant selected above), Chronic, No organism identified	Rarely Appropriate (3)	Rarely Appropriate (3)	Appropriate (9, +)						
Scenario 193: Joint, Internal Fixation, Removal associated	Rarely Appropriate (3, +)	Rarely Appropriate (3, +)			Appropriate (7)	Appropriate (8, +)	Rarely Appropriate (3)	May Be Appropriate (4)	Rarely Appropriate (3)

Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
with high morbidity, Acute, Susceptible to routine oral or IV antibiotics									
Scenario 194: Joint, Internal Fixation, Removal associated with high morbidity, Acute, Susceptible to routine oral or IV antibiotics	Rarely Appropriate (3)	Rarely Appropriate (2, +)			Appropriate (7, +)	Appropriate (7, +)	May Be Appropriate (4)	May Be Appropriate (5, -)	Rarely Appropriate (3)
Scenario 195: Joint, Internal Fixation, Removal associated with high	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)			Appropriate (7)	Appropriate (8, +)	May Be Appropriate (4)	May Be Appropriate (4)	May Be Appropriate (4)

Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
morbidity, Acute, Difficult to treat microorganism									
Scenario 196: Joint, Internal Fixation, Removal associated with high morbidity, Acute, Difficult to treat microorganism	Rarely Appropriate (3)	Rarely Appropriate (3, +)			Appropriate (7, +)	Appropriate (7, +)	Rarely Appropriate (3)	Rarely Appropriate (3)	Rarely Appropriate (3)
Scenario 197: Joint, Internal Fixation, Removal associated with high morbidity, Acute, No	Rarely Appropriate (3, +)	Rarely Appropriate (3, +)			Appropriate (7)	Appropriate (8, +)	May Be Appropriate (4)	May Be Appropriate (4)	May Be Appropriate (4)

<b>Scenario</b>	<b>Antimicrobial systemic treatment only</b>	<b>Local superficial non-surgical wound care and with or without antimicrobial therapy</b>	<b>Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal</b>	<b>Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy</b>
organism identified									
Scenario 198: Joint, Internal Fixation, Removal associated with high morbidity, Acute, No organism identified	Rarely Appropriate (3)	Rarely Appropriate (3, +)			Appropriate (7)	Appropriate (7, +)	May Be Appropriate (4)	May Be Appropriate (4)	Rarely Appropriate (3)
Scenario 199: Joint, Internal Fixation, Removal associated with high morbidity, Chronic, Susceptible to routine oral or IV antibiotics	Rarely Appropriate (3, +)	Rarely Appropriate (3, +)			Appropriate (7)	Appropriate (7, +)	May Be Appropriate (4)	May Be Appropriate (5)	May Be Appropriate (5)

<b>Scenario</b>	<b>Antimicrobial systemic treatment only</b>	<b>Local superficial non-surgical wound care and with or without antimicrobial therapy</b>	<b>Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal</b>	<b>Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy</b>
Scenario 200: Joint, Internal Fixation, Removal associated with high morbidity, Chronic, Susceptible to routine oral or IV antibiotics	Rarely Appropriate (3)	Rarely Appropriate (3, +)			Appropriate (7, +)	Appropriate (7, +)	May Be Appropriate (4)	May Be Appropriate (5)	May Be Appropriate (4)
Scenario 201: Joint, Internal Fixation, Removal associated with high morbidity, Chronic, Difficult to treat microorganism	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)			Appropriate (7, +)	Appropriate (7, +)	May Be Appropriate (4)	May Be Appropriate (4)	May Be Appropriate (5)

<b>Scenario</b>	<b>Antimicrobial systemic treatment only</b>	<b>Local superficial non-surgical wound care and with or without antimicrobial therapy</b>	<b>Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal</b>	<b>Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy</b>
Scenario 202: Joint, Internal Fixation, Removal associated with high morbidity, Chronic, Difficult to treat microorganism	Rarely Appropriate (3, +)	Rarely Appropriate (3, +)			Appropriate (7, +)	Appropriate (7, +)	May Be Appropriate (4)	May Be Appropriate (4)	May Be Appropriate (4)
Scenario 203: Joint, Internal Fixation, Removal associated with high morbidity, Chronic, No organism identified	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)			Appropriate (7, +)	Appropriate (7, +)	May Be Appropriate (4)	May Be Appropriate (5)	May Be Appropriate (4)

<b>Scenario</b>	<b>Antimicrobial systemic treatment only</b>	<b>Local superficial non-surgical wound care and with or without antimicrobial therapy</b>	<b>Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal</b>	<b>Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy</b>
Scenario 204: Joint, Internal Fixation, Removal associated with high morbidity, Chronic, No organism identified	Rarely Appropriate (3)	Rarely Appropriate (3, +)			Appropriate (7, +)	Appropriate (7, +)	May Be Appropriate (4)	May Be Appropriate (4)	May Be Appropriate (4)
Scenario 205: Joint, Internal Fixation, Removal associated with low morbidity, Acute, Susceptible to routine oral or IV antibiotics	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)			Appropriate (7)	Appropriate (8, +)	May Be Appropriate (5, -)	Appropriate (7)	Appropriate (7)

<b>Scenario</b>	<b>Antimicrobial systemic treatment only</b>	<b>Local superficial non-surgical wound care and with or without antimicrobial therapy</b>	<b>Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal</b>	<b>Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy</b>
Scenario 206: Joint, Internal Fixation, Removal associated with low morbidity, Acute, Susceptible to routine oral or IV antibiotics	Rarely Appropriate (3, +)	Rarely Appropriate (3, +)			Appropriate (7, +)	Appropriate (7, +)	May Be Appropriate (5)	May Be Appropriate (6)	May Be Appropriate (5)
Scenario 207: Joint, Internal Fixation, Removal associated with low morbidity, Acute, Difficult to treat microorganism	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)			Appropriate (7)	Appropriate (8, +)	May Be Appropriate (6)	Appropriate (7)	Appropriate (7)



<b>Scenario</b>	<b>Antimicrobial systemic treatment only</b>	<b>Local superficial non-surgical wound care and with or without antimicrobial therapy</b>	<b>Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal</b>	<b>Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy</b>
Scenario 208: Joint, Internal Fixation, Removal associated with low morbidity, Acute, Difficult to treat microorganism	Rarely Appropriate (3, +)	Rarely Appropriate (3, +)			Appropriate (7, +)	Appropriate (7, +)	May Be Appropriate (6)	May Be Appropriate (6)	May Be Appropriate (6)
Scenario 209: Joint, Internal Fixation, Removal associated with low morbidity, Acute, No organism identified	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)			Appropriate (7)	Appropriate (8, +)	May Be Appropriate (6)	Appropriate (7)	May Be Appropriate (6)
Scenario 210: Joint, Internal Fixation,	Rarely Appropriate (3)	Rarely Appropriate (3, +)			Appropriate (7)	Appropriate (8, +)	May Be Appropriate (6)	May Be Appropriate (6)	May Be Appropriate (4)

<b>Scenario</b>	<b>Antimicrobial systemic treatment only</b>	<b>Local superficial non-surgical wound care and with or without antimicrobial therapy</b>	<b>Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal</b>	<b>Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy</b>
Removal associated with low morbidity, Acute, No organism identified									
Scenario 211: Joint, Internal Fixation, Removal associated with low morbidity, Chronic, Susceptible to routine oral or IV antibiotics	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)			Appropriate (7)	Appropriate (7)	Appropriate (7)	Appropriate (7)	Appropriate (7)
Scenario 212: Joint, Internal Fixation, Removal associated	Rarely Appropriate (3)	Rarely Appropriate (3, +)			Appropriate (7)	Appropriate (7)	Appropriate (7)	May Be Appropriate (6)	May Be Appropriate (5)

<b>Scenario</b>	<b>Antimicrobial systemic treatment only</b>	<b>Local superficial non-surgical wound care and with or without antimicrobial therapy</b>	<b>Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal</b>	<b>Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy</b>
with low morbidity, Chronic, Susceptible to routine oral or IV antibiotics									
Scenario 213: Joint, Internal Fixation, Removal associated with low morbidity, Chronic, Difficult to treat microorganism	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)			Appropriate (7)	Appropriate (7)	Appropriate (7)	Appropriate (7)	Appropriate (7)
Scenario 214: Joint, Internal Fixation, Removal associated with low	Rarely Appropriate (3, +)	Rarely Appropriate (2, +)			Appropriate (7)	Appropriate (7)	Appropriate (7)	May Be Appropriate (6)	May Be Appropriate (5, -)

<b>Scenario</b>	<b>Antimicrobial systemic treatment only</b>	<b>Local superficial non-surgical wound care and with or without antimicrobial therapy</b>	<b>Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal</b>	<b>Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy</b>
morbidity, Chronic, Difficult to treat microorganism									
Scenario 215: Joint, Internal Fixation, Removal associated with low morbidity, Chronic, No organism identified	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)			Appropriate (7)	Appropriate (7)	Appropriate (7)	Appropriate (7)	Appropriate (7)
Scenario 216: Joint, Internal Fixation, Removal associated with low morbidity, Chronic, No	Rarely Appropriate (3, +)	Rarely Appropriate (3, +)			Appropriate (7)	Appropriate (7)	Appropriate (7)	Appropriate (7)	May Be Appropriate (5)

Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
organism identified									
Scenario 217: Joint, Arthroplasty, Removal associated with high morbidity, Acute, Susceptible to routine oral or IV antibiotics	Rarely Appropriate (2, +)	Rarely Appropriate (3, +)		May Be Appropriate (6)		Appropriate (8, +)	Rarely Appropriate (3)	May Be Appropriate (6)	May Be Appropriate (4)
Scenario 218: Joint, Arthroplasty, Removal associated with high morbidity, Acute, Susceptible to	Rarely Appropriate (3)	Rarely Appropriate (3, +)		May Be Appropriate (6)		Appropriate (8, +)	May Be Appropriate (4)	May Be Appropriate (6)	May Be Appropriate (5)

<b>Scenario</b>	<b>Antimicrobial systemic treatment only</b>	<b>Local superficial non-surgical wound care and with or without antimicrobial therapy</b>	<b>Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal</b>	<b>Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy</b>
routine oral or IV antibiotics									
Scenario 219: Joint, Arthroplasty, Removal associated with high morbidity, Acute, Difficult to treat microorganism	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)		May Be Appropriate (5)		Appropriate (8, +)	May Be Appropriate (4)	May Be Appropriate (5)	May Be Appropriate (5)
Scenario 220: Joint, Arthroplasty, Removal associated with high morbidity, Acute, Difficult to treat microorganism	Rarely Appropriate (3)	Rarely Appropriate (2, +)		Appropriate (7)		Appropriate (7, +)	May Be Appropriate (4)	May Be Appropriate (5)	May Be Appropriate (4)

<b>Scenario</b>	<b>Antimicrobial systemic treatment only</b>	<b>Local superficial non-surgical wound care and with or without antimicrobial therapy</b>	<b>Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal</b>	<b>Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy</b>
Scenario 221: Joint, Arthroplasty, Removal associated with high morbidity, Acute, No organism identified	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)		May Be Appropriate (6)		Appropriate (8, +)	May Be Appropriate (5)	May Be Appropriate (5, +)	May Be Appropriate (5)
Scenario 222: Joint, Arthroplasty, Removal associated with high morbidity, Acute, No organism identified	Rarely Appropriate (3)	Rarely Appropriate (3, +)		May Be Appropriate (6)		Appropriate (7, +)	May Be Appropriate (5)	May Be Appropriate (5)	May Be Appropriate (4)
Scenario 223: Joint, Arthroplasty,	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)		May Be Appropriate (6)		Appropriate (7)	May Be Appropriate (4)	May Be Appropriate (6)	May Be Appropriate (6)

<b>Scenario</b>	<b>Antimicrobial systemic treatment only</b>	<b>Local superficial non-surgical wound care and with or without antimicrobial therapy</b>	<b>Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal</b>	<b>Surgical debridement (superficial and/or deep) and implant retention/partial exchange/partial removal and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy</b>
Removal associated with high morbidity, Chronic, Susceptible to routine oral or IV antibiotics									
Scenario 224: Joint, Arthroplasty, Removal associated with high morbidity, Chronic, Susceptible to routine oral or IV antibiotics	May Be Appropriate (4)	Rarely Appropriate (3, +)		Appropriate (7)		Appropriate (7)	May Be Appropriate (5, +)	May Be Appropriate (4)	May Be Appropriate (4)
Scenario 225: Joint, Arthroplasty, Removal	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)		May Be Appropriate (5)		Appropriate (7)	May Be Appropriate (5)	May Be Appropriate (5)	May Be Appropriate (6)



Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
associated with high morbidity, Chronic, Difficult to treat microorganism									
Scenario 226: Joint, Arthroplasty, Removal associated with high morbidity, Chronic, Difficult to treat microorganism	Rarely Appropriate (3)	Rarely Appropriate (2, +)		Appropriate (7)		Appropriate (7)	May Be Appropriate (5)	May Be Appropriate (4)	May Be Appropriate (4)
Scenario 227: Joint, Arthroplasty, Removal associated	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)		May Be Appropriate (5)		Appropriate (7)	May Be Appropriate (5, +)	May Be Appropriate (6)	May Be Appropriate (6)

Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
with high morbidity, Chronic, No organism identified									
Scenario 228: Joint, Arthroplasty, Removal associated with high morbidity, Chronic, No organism identified	Rarely Appropriate (3)	Rarely Appropriate (2, +)		Appropriate (7)		May Be Appropriate (6)	May Be Appropriate (5)	May Be Appropriate (4)	May Be Appropriate (5)
Scenario 229: Joint, Arthroplasty, Removal associated with low morbidity, Acute,	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)		May Be Appropriate (6)		Appropriate (7, +)	May Be Appropriate (4)	Appropriate (7)	Appropriate (7)

<b>Scenario</b>	<b>Antimicrobial systemic treatment only</b>	<b>Local superficial non-surgical wound care and with or without antimicrobial therapy</b>	<b>Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal</b>	<b>Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy</b>
Susceptible to routine oral or IV antibiotics									
Scenario 230: Joint, Arthroplasty, Removal associated with low morbidity, Acute, Susceptible to routine oral or IV antibiotics	Rarely Appropriate (3)	Rarely Appropriate (3, +)		May Be Appropriate (6)		Appropriate (7, +)	May Be Appropriate (5, +)	May Be Appropriate (6)	May Be Appropriate (5)
Scenario 231: Joint, Arthroplasty, Removal associated with low morbidity, Acute, Difficult	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)		May Be Appropriate (5)		Appropriate (7)	May Be Appropriate (4)	Appropriate (7)	Appropriate (7, +)

Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
to treat microorganism									
Scenario 232: Joint, Arthroplasty, Removal associated with low morbidity, Acute, Difficult to treat microorganism	Rarely Appropriate (3)	Rarely Appropriate (3, +)		May Be Appropriate (6)		Appropriate (7)	May Be Appropriate (5)	May Be Appropriate (5)	May Be Appropriate (5)
Scenario 233: Joint, Arthroplasty, Removal associated with low morbidity, Acute, No organism identified	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)		May Be Appropriate (5)		Appropriate (8, +)	Rarely Appropriate (3)	Appropriate (7)	May Be Appropriate (6)

<b>Scenario</b>	<b>Antimicrobial systemic treatment only</b>	<b>Local superficial non-surgical wound care and with or without antimicrobial therapy</b>	<b>Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal</b>	<b>Surgical debridement (superficial and/or deep) and implant retention/partial exchange/partial removal and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy</b>
Scenario 234: Joint, Arthroplasty, Removal associated with low morbidity, Acute, No organism identified	Rarely Appropriate (3, +)	Rarely Appropriate (3, +)		May Be Appropriate (6)		Appropriate (7, +)	May Be Appropriate (5)	May Be Appropriate (6)	May Be Appropriate (5)
Scenario 235: Joint, Arthroplasty, Removal associated with low morbidity, Chronic, Susceptible to routine oral or IV antibiotics	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)		May Be Appropriate (4)		May Be Appropriate (4)	May Be Appropriate (5)	Appropriate (7, +)	Appropriate (9, +)

<b>Scenario</b>	<b>Antimicrobial systemic treatment only</b>	<b>Local superficial non-surgical wound care and with or without antimicrobial therapy</b>	<b>Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal</b>	<b>Surgical debridement (superficial and/or deep) and implant retention/partial exchange/partial removal and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy</b>
Scenario 236: Joint, Arthroplasty, Removal associated with low morbidity, Chronic, Susceptible to routine oral or IV antibiotics	Rarely Appropriate (3)	Rarely Appropriate (2, +)		May Be Appropriate (5, +)		May Be Appropriate (5, +)	May Be Appropriate (6)	May Be Appropriate (6)	Appropriate (7)
Scenario 237: Joint, Arthroplasty, Removal associated with low morbidity, Chronic, Difficult to treat microorganism	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)		May Be Appropriate (4)		May Be Appropriate (4)	May Be Appropriate (5)	May Be Appropriate (6)	Appropriate (9, +)

<b>Scenario</b>	<b>Antimicrobial systemic treatment only</b>	<b>Local superficial non-surgical wound care and with or without antimicrobial therapy</b>	<b>Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal</b>	<b>Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy</b>
Scenario 238: Joint, Arthroplasty, Removal associated with low morbidity, Chronic, Difficult to treat microorganism	Rarely Appropriate (3, +)	Rarely Appropriate (2, +)		May Be Appropriate (5)		May Be Appropriate (4)	May Be Appropriate (6)	May Be Appropriate (5, -)	Appropriate (7)
Scenario 239: Joint, Arthroplasty, Removal associated with low morbidity, Chronic, No organism identified	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)		May Be Appropriate (4)		May Be Appropriate (4)	May Be Appropriate (4)	Appropriate (7)	Appropriate (8, +)

<b>Scenario</b>	<b>Antimicrobial systemic treatment only</b>	<b>Local superficial non-surgical wound care and with or without antimicrobial therapy</b>	<b>Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal</b>	<b>Surgical debridement (superficial and/or deep) and implant retention/partial exchange/partial removal and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy</b>
Scenario 240: Joint, Arthroplasty, Removal associated with low morbidity, Chronic, No organism identified	Rarely Appropriate (3)	Rarely Appropriate (2, +)		May Be Appropriate (4)		May Be Appropriate (4)	May Be Appropriate (6)	May Be Appropriate (6)	May Be Appropriate (6)
Scenario 241: Joint, Biologic implant eg. (ligament, tendon, bone, other tissue graft), Removal associated with high morbidity, Acute, Susceptible to	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)	Appropriate (7, +)		May Be Appropriate (6)	Appropriate (7)	Rarely Appropriate (3)	May Be Appropriate (5)	May Be Appropriate (5)



Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
routine oral or IV antibiotics									
Scenario 242: Joint, Biologic implant eg. (ligament, tendon, bone, other tissue graft), Removal associated with high morbidity, Acute, Susceptible to routine oral or IV antibiotics	Rarely Appropriate (3)	Rarely Appropriate (2, +)	Appropriate (7, +)		May Be Appropriate (6)	Appropriate (7)	May Be Appropriate (4)	May Be Appropriate (4)	May Be Appropriate (4)
Scenario 243: Joint, Biologic implant eg. (ligament, tendon, bone,	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)	Appropriate (7, +)		May Be Appropriate (6)	Appropriate (7)	May Be Appropriate (4)	May Be Appropriate (4)	May Be Appropriate (4)

Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
other tissue graft), Removal associated with high morbidity, Acute, Difficult to treat microorganism									
Scenario 244: Joint, Biologic implant eg. (ligament, tendon, bone, other tissue graft), Removal associated with high morbidity, Acute, Difficult to treat microorganism	Rarely Appropriate (3)	Rarely Appropriate (2, +)	Appropriate (7, +)		May Be Appropriate (6)	Appropriate (7)	May Be Appropriate (4)	May Be Appropriate (4)	May Be Appropriate (4)

Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
Scenario 245: Joint, Biologic implant eg. (ligament, tendon, bone, other tissue graft), Removal associated with high morbidity, Acute, No organism identified	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)	Appropriate (7, +)		May Be Appropriate (6)	Appropriate (7)	Rarely Appropriate (3)	May Be Appropriate (5)	May Be Appropriate (4)
Scenario 246: Joint, Biologic implant eg. (ligament, tendon, bone, other tissue graft), Removal associated	Rarely Appropriate (3)	Rarely Appropriate (2, +)	Appropriate (7, +)		May Be Appropriate (6)	Appropriate (7)	May Be Appropriate (4)	May Be Appropriate (4)	May Be Appropriate (4)

Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
with high morbidity, Acute, No organism identified									
Scenario 247: Joint, Biologic implant eg. (ligament, tendon, bone, other tissue graft), Removal associated with high morbidity, Chronic, Susceptible to routine oral or IV antibiotics	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)	Appropriate (7)		May Be Appropriate (6)	May Be Appropriate (6)	May Be Appropriate (4)	May Be Appropriate (5)	May Be Appropriate (5)
Scenario 248: Joint, Biologic implant eg.	Rarely Appropriate (3)	Rarely Appropriate (2, +)	Appropriate (7)		Appropriate (7)	May Be Appropriate (6)	May Be Appropriate (4)	May Be Appropriate (4)	May Be Appropriate (4)

Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
(ligament, tendon, bone, other tissue graft), Removal associated with high morbidity, Chronic, Susceptible to routine oral or IV antibiotics									
Scenario 249: Joint, Biologic implant eg. (ligament, tendon, bone, other tissue graft), Removal associated with high morbidity,	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)	Appropriate (7, +)		Appropriate (7)	May Be Appropriate (6)	May Be Appropriate (4)	May Be Appropriate (4)	May Be Appropriate (4)

Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
Chronic, Difficult to treat microorganism									
Scenario 250: Joint, Biologic implant eg. (ligament, tendon, bone, other tissue graft), Removal associated with high morbidity, Chronic, Difficult to treat microorganism	Rarely Appropriate (3, +)	Rarely Appropriate (2, +)	Appropriate (7, +)		May Be Appropriate (6)	May Be Appropriate (6)	May Be Appropriate (4)	Rarely Appropriate (3)	Rarely Appropriate (3)
Scenario 251: Joint, Biologic implant eg. (ligament,	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)	Appropriate (7, +)		Appropriate (7)	May Be Appropriate (6)	May Be Appropriate (4)	May Be Appropriate (4)	May Be Appropriate (4)

Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
tendon, bone, other tissue graft), Removal associated with high morbidity, Chronic, No organism identified									
Scenario 252: Joint, Biologic implant eg. (ligament, tendon, bone, other tissue graft), Removal associated with high morbidity, Chronic, No	Rarely Appropriate (3)	Rarely Appropriate (3, +)	Appropriate (7, +)		May Be Appropriate (6)	May Be Appropriate (6)	May Be Appropriate (4)	Rarely Appropriate (3)	Rarely Appropriate (3)

Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
organism identified									
Scenario 253: Joint, Biologic implant eg. (ligament, tendon, bone, other tissue graft), Removal associated with low morbidity, Acute, Susceptible to routine oral or IV antibiotics	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)	Appropriate (7, +)		May Be Appropriate (6)	Appropriate (7)	May Be Appropriate (5, -)	Appropriate (7)	May Be Appropriate (6)
Scenario 254: Joint, Biologic implant eg. (ligament, tendon, bone,	Rarely Appropriate (3)	Rarely Appropriate (3, +)	Appropriate (7, +)		May Be Appropriate (6)	Appropriate (7)	May Be Appropriate (5)	May Be Appropriate (5)	May Be Appropriate (5)



Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
other tissue graft), Removal associated with low morbidity, Acute, Susceptible to routine oral or IV antibiotics									
Scenario 255: Joint, Biologic implant eg. (ligament, tendon, bone, other tissue graft), Removal associated with low morbidity, Acute, Difficult	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)	Appropriate (7)		May Be Appropriate (6)	Appropriate (7)	May Be Appropriate (6)	Appropriate (7)	May Be Appropriate (6)

Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
to treat microorganism									
Scenario 256: Joint, Biologic implant eg. (ligament, tendon, bone, other tissue graft), Removal associated with low morbidity, Acute, Difficult to treat microorganism	Rarely Appropriate (3, +)	Rarely Appropriate (2, +)	Appropriate (7)		Appropriate (7)	Appropriate (7)	May Be Appropriate (6)	May Be Appropriate (5)	May Be Appropriate (5)
Scenario 257: Joint, Biologic implant eg. (ligament, tendon, bone, other tissue	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)	Appropriate (7)		May Be Appropriate (6)	Appropriate (7)	May Be Appropriate (5, -)	Appropriate (7)	May Be Appropriate (6)

Scenario	Antimicrobial systemic treatment only	Local superficial non-surgical wound care and with or without antimicrobial therapy	Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy	Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely	Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal	Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy	Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy	Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy
graft), Removal associated with low morbidity, Acute, No organism identified									
Scenario 258: Joint, Biologic implant eg. (ligament, tendon, bone, other tissue graft), Removal associated with low morbidity, Acute, No organism identified	Rarely Appropriate (3)	Rarely Appropriate (3, +)	Appropriate (7)		Appropriate (7)	Appropriate (7)	May Be Appropriate (5)	May Be Appropriate (5)	May Be Appropriate (5)

<b>Scenario</b>	<b>Antimicrobial systemic treatment only</b>	<b>Local superficial non-surgical wound care and with or without antimicrobial therapy</b>	<b>Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal</b>	<b>Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy</b>
Scenario 259: Joint, Biologic implant eg. (ligament, tendon, bone, other tissue graft), Removal associated with low morbidity, Chronic, Susceptible to routine oral or IV antibiotics	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)	May Be Appropriate (6)		May Be Appropriate (5)	Appropriate (7)	May Be Appropriate (6)	Appropriate (7)	Appropriate (7, +)
Scenario 260: Joint, Biologic implant eg. (ligament, tendon, bone, other tissue graft), Removal	Rarely Appropriate (3)	Rarely Appropriate (3, +)	May Be Appropriate (6)		May Be Appropriate (6)	Appropriate (7)	Appropriate (7)	Appropriate (7)	May Be Appropriate (5)

<b>Scenario</b>	<b>Antimicrobial systemic treatment only</b>	<b>Local superficial non-surgical wound care and with or without antimicrobial therapy</b>	<b>Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal</b>	<b>Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy</b>
associated with low morbidity, Chronic, Susceptible to routine oral or IV antibiotics									
Scenario 261: Joint, Biologic implant eg. (ligament, tendon, bone, other tissue graft), Removal associated with low morbidity, Chronic, Difficult to treat microorganism	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)	May Be Appropriate (4)		May Be Appropriate (5)	May Be Appropriate (6)	Appropriate (7)	May Be Appropriate (6)	Appropriate (8, +)

<b>Scenario</b>	<b>Antimicrobial systemic treatment only</b>	<b>Local superficial non-surgical wound care and with or without antimicrobial therapy</b>	<b>Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal</b>	<b>Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy</b>
Scenario 262: Joint, Biologic implant eg. (ligament, tendon, bone, other tissue graft), Removal associated with low morbidity, Chronic, Difficult to treat microorganism	Rarely Appropriate (3, +)	Rarely Appropriate (3, +)	May Be Appropriate (4)		May Be Appropriate (5)	Appropriate (7)	Appropriate (7)	May Be Appropriate (4)	May Be Appropriate (5)
Scenario 263: Joint, Biologic implant eg. (ligament, tendon, bone, other tissue graft), Removal	Rarely Appropriate (2, +)	Rarely Appropriate (2, +)	May Be Appropriate (4)		May Be Appropriate (5)	Appropriate (7)	May Be Appropriate (6)	Appropriate (7)	Appropriate (8, +)

<b>Scenario</b>	<b>Antimicrobial systemic treatment only</b>	<b>Local superficial non-surgical wound care and with or without antimicrobial therapy</b>	<b>Superficial and/or deep surgical wound debridement and appropriate antimicrobial therapy</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials indefinitely</b>	<b>Surgical debridement (superficial and/or deep) and suppressive antimicrobials until implant removal</b>	<b>Surgical debridement (superficial and/or deep) and implant retention/partial removal and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal without re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with single-staged re-implantation and appropriate antimicrobial therapy</b>	<b>Surgical debridement and implant removal with multi-staged re-implantation and appropriate antimicrobial therapy</b>
associated with low morbidity, Chronic, No organism identified									
Scenario 264: Joint, Biologic implant eg. (ligament, tendon, bone, other tissue graft), Removal associated with low morbidity, Chronic, No organism identified	Rarely Appropriate (3, +)	Rarely Appropriate (3, +)	May Be Appropriate (5)		May Be Appropriate (6)	Appropriate (7)	Appropriate (7)	May Be Appropriate (5)	May Be Appropriate (5)

## V. APPENDICES

### APPENDIX A. DOCUMENTATION OF APPROVAL

#### AAOS BODIES THAT APPROVED THIS APPROPRIATE USE CRITERIA

**Evidence-Based Quality and Value Committee: Approved on <DATE>**

The AAOS Committee on Evidence Based Quality and Value consists of 19 AAOS members. The overall purpose of this committee is to plan, organize, direct, and evaluate initiatives related to Clinical Practice Guidelines and Appropriate Use Criteria.

**Council on Research and Quality: Approved on <DATE>**

To enhance the mission of the AAOS, the Council on Research and Quality promotes the most ethically and scientifically sound basic, clinical, and translational research possible to ensure the future care for patients with musculoskeletal disorders. The Council also serves as the primary resource to educate its members, the public, and public policy makers regarding evidenced-based medical practice, orthopaedic devices and biologics regulatory pathways and standards development, patient safety, occupational health, technology assessment, and other related areas of importance.

**Board of Directors: Approved on <DATE>**

The 16-member AAOS Board of Directors manages the affairs of the AAOS, sets policy, and determines and continually reassesses the Strategic Plan.



## APPENDIX B. DISCLOSURE INFORMATION

### SSI WRITING PANEL MEMBER DISCLOSURES

**Carlos A Higuera Rueda, MD** Submitted on: 10/18/2017

3M: Research support (\$0)

American Association of Hip and Knee Surgeons: Board or committee member (\$0)

American Journal of Orthopedics: Editorial or governing board (\$0)

CD Diagnostics: Research support (\$0)

Cempra: Research support (\$0)

Cymedica: Research support (\$0)

Ferring Pharmaceuticals: Research support (\$0)

Journal of Hip Surgery: Editorial or governing board (\$0)

Journal of Knee Surgery: Editorial or governing board (\$0)

KCI: Paid presenter or speaker (\$0) Number of Presentations: 0

KCI: Paid consultant (\$0)

KCI: Research support (\$0)

Mid-American Orthopaedic Association: Board or committee member (\$0)

Musculoskeletal Infection Society: Board or committee member (\$0)

Myoscience: Research support (\$0)

National Quality Forum: Board or committee member (\$0)

OREF: Research support (\$0)

Orthofix, Inc.: Research support (\$0)

Pacira: Research support (\$0)

Pfizer: Paid consultant (\$0)

Stryker: Research support (\$0)

TenNor Therapeutics Limited: Paid consultant (\$0)

The Academy of Medicine of Cleveland & Northern Ohio (AMCNO): Board or committee member (\$0)

Zimmer: Paid consultant (\$0)

Zimmer: Other financial or material support (\$0)

**Barry D Brause, MD** Submitted on: 02/06/2018

Musculoskeletal Infection Society (MSIS): Board or committee member (\$0)

**Glenn D Wera, MD** Submitted on: 01/21/2018

AAOS: Board or committee member (\$0)

**Arvind D Nana, FAOrthA, MBA, MD** Submitted on: 02/18/2018

AAOS: Board or committee member; Board or committee member; Board or committee member (\$0)

SSI AUC Writing Panel (Self)

International Geriatric Fracture Society: Board or committee member (\$0) President (Self)

Journal of Bone and Joint Surgery - American: Publishing royalties, financial or material support (\$1,000)

Stipend for invited review (Self)

Orthopaedic Trauma Association: Board or committee member (\$0) (Self)

Evidence Based Value & Quality Committee

**Jaimo Ahn, MD, PhD** Submitted on: 12/18/2017

AAOS: Board or committee member (\$0) (Self) Basic Science Evaluation Subcommittee

American Board of Orthopaedic Surgery, Inc.: Board or committee member (\$0) Part I writing panel (Self)

American Orthopaedic Association: Board or committee member (\$0)

American Physician Scientists Association: Board or committee member (\$0) (Self) Board of Directors

Cochrane: Publishing royalties, financial or material support (\$500) Clinical Advisor (Self)  
Foundation for Orthopaedic Trauma: Board or committee member (\$0) (Self) Executive Board, Research Committee  
Frontiers in Surgery: Editorial or governing board (\$0)  
Journal of Orthopaedic Trauma: Editorial or governing board (\$0)  
Merck: Paid consultant (\$10,000) Legal (Self)  
Orthopaedic Research Society: Board or committee member (\$0)  
Orthopaedic Trauma Association: Board or committee member (\$0) (Self) Evidence Based Value, Quality, and Safety committee  
Skelegen LLC: Stock or stock Options Number of Shares: 1 Part Owner (Self)  
Synthes: Paid consultant (\$5,000) (Self) teaching, scientific, product

**William T Obrebskey, MD, MPH** Submitted on: 01/23/2018

Journal of Bone and Joint Surgery - American: Editorial or governing board (\$0) Reviewer (Self)  
Journal of Orthopaedic Trauma: Editorial or governing board (\$0) reviewer (Self)  
Journal of the American Academy of Orthopaedic Surgeons: Editorial or governing board (\$0) Reviewer (Self)  
Orthopaedic Trauma Association: Board or committee member (\$0) Committee Chair (Self)  
Southeastern Fracture Consortium: Board or committee member (\$0) N/A(Self)

**Patrick P Bosch, MD** Submitted on: 02/21/2018

Pediatric Orthopaedic Society of North America: Board or committee member (\$0)  
Scoliosis Research Society: Board or committee member (\$0)

**Keith D Baldwin, MD** Submitted on: 10/17/2017

Journal of Bone and Joint Surgery - American: Publishing royalties, financial or material support (\$0)  
Pfizer: Paid consultant (\$0)  
Pfizer: Stock or stock Options Number of Shares: 0  
Synthes Trauma: Paid consultant (\$0)

**Catherine Celeste Roberts, MD** Submitted on: 02/21/2018

American Board of Radiology: Board or committee member (\$0) Member, Online Longitudinal Assessment MSK Committee (Self)  
American College of Radiology: Board or committee member (\$0) Musculoskeletal Panel Chair, Appropriateness Criteria (Self)  
Elsevier: Publishing royalties, financial or material support (\$1,292) Book Royalties (Self)

**Elizabeth Ying-Kou Yung, MD** Submitted on: 03/15/2018

American College of Radiology: Board or committee member (\$0) Nuclear Medicine and PET Accreditation (Self)  
Genzyme: Paid presenter or speaker (\$3,500) Number of Presentations: 1 Thyrogen Speaker Bureau (Self)

**Michael H Huo, MD** Submitted on: 01/28/2018

American Association of Hip and Knee Surgeons: Board or committee member (\$0) International Committee (Self)  
AO Foundation: Paid consultant (\$20,000) N/A(Self)  
B-One Orthopedics: Paid consultant (\$3,000) N/A(Self)  
Current Orthopedic Practice: Editorial or governing board (\$1,000) Editorial (Self)  
Implantcast: Paid consultant (\$1,200) N/A(Self)

**Jason Falvey, DPT, PT** (This individual reported nothing to disclose); Submitted on: 03/23/2018

## SSI VOTING PANEL MEMBER DISCLOSURES

**Nicolas Santiago Piuzzi, MD** (This individual reported nothing to disclose); Submitted on: 04/18/2018

**Robert E Howell III, MD** (This individual reported nothing to disclose); Submitted on: 06/17/2018

**Thomas G Myers, MD** (This individual reported nothing to disclose); Submitted on: 05/24/2018

**Nicholas Michael Brown, MD** (This individual reported nothing to disclose); Submitted on: 05/22/2018

**John A Fox, MD** (This individual reported nothing to disclose); Submitted on: 05/24/2018

**Donald W Hohman, MD** Submitted on: 05/31/2018

Advanced Orthopaedic Solutions: Paid presenter or speaker (\$1,000)

Number of Presentations: 1 n/a (Self)

Biocomposites: Paid presenter or speaker (\$1,000) Number of Presentations: 2 n/a (Self)

**Steven A Olson, MD** Submitted on: 05/03/2018

Orthopaedic Trauma Association: Board or committee member (\$0) First - Past President (Self)

**Clay A Spitler, MD** Submitted on: 05/31/2018

AAOS: Board or committee member (\$0)

AO Trauma: Paid presenter or speaker (\$0) Number of Presentations: 0

Journal of Bone and Joint Surgery - American: Editorial or governing board (\$0)

Orthopaedic Trauma Association: Board or committee member (\$0)

Wolters Kluwer Health - Lippincott Williams & Wilkins: Editorial or governing board (\$0)

**Matthew W Bullock, DO, PT** (This individual reported nothing to disclose); Submitted on: 05/31/2018

**Mark J Kransdorf, MD** Submitted on: 06/27/2018

Saunders/Mosby-Elsevier: Publishing royalties, financial or material support (\$0)

Springer: Publishing royalties, financial or material support (\$0)

Springer: Editorial or governing board (\$0)

Wolters Kluwer Health - Lippincott Williams & Wilkins: Publishing royalties, financial or material support (\$0)

**Michael J Grecula, MD** Submitted on: 06/03/2018

Journal of Surgical Orthopaedic Advances: Editorial or governing board (\$0) N/A(Self)

**Julie B Samora, MD** Submitted on: 05/31/2018

AAOS: Board or committee member (\$0)

American Society for Surgery of the Hand: Board or committee member (\$0)

Globus Medical: Paid consultant (\$10,000) Walter Samora (husband) paid consultant (Family)

Ruth Jackson Orthopaedic Society: Board or committee member (\$0)

**Robert S Sterling, MD** Submitted on: 06/05/2018

AAOS: Board or committee member (\$0)

American Association of Hip and Knee Surgeons: Board or committee member (\$0)

American Orthopaedic Association: Board or committee member (\$0)

Journal of Arthroplasty: Editorial or governing board (\$0)

Journal of Surgical Education: Editorial or governing board (\$0)  
Maryland Orthopaedic Association (BoD): Board or committee member (\$0)  
Pulse Platform: Paid consultant (\$0)

**Chris John Dangles, MD** Submitted on: 05/31/2018

American Association of Hip and Knee Surgeons: Board or committee member (\$0) Delegate to AMA for this society and Committee member (Self)

**Joe B Wilkinson, MD** (This individual reported nothing to disclose); Submitted on: 06/04/2018

**Brian A Klatt, MD** Submitted on: 06/26/2018

AAOS: Board or committee member (\$0)

AAOSAAHKS Abstract Review Committee: Board or committee member (\$0)

American Association of Hip and Knee Surgeons: Board or committee member (\$0)

Journal of Arthroplasty: Editorial or governing board (\$0)

SLACK Incorporated: Publishing royalties, financial or material support (\$500) royalties from texts (Self)

**Sharon L Gorman, PT** Submitted on: 06/27/2018

Academy of Acute Care Physical Therapy: Board or committee member (\$0) President (Self)

## APPENDIX C. REFERENCES

- (1) American Academy of Orthopaedic Surgeons. The Burden of Musculoskeletal Diseases in the United States. American Academy of Orthopaedic Surgeons; 2008.
- (2) Fitch K, Bernstein SJ, Aguilar MD et al. *The RAND/UCLA Appropriateness Method User's Manual*. Santa Monica, CA: RAND Corporation; 2001.
- (3) American Academy of Orthopaedic Surgeons. Systematic Literature Review on the Management of Surgical Site Infections. <https://www.aaos.org/ssi>. Published June 9, 2018.
- (4) Mu, Y., et al., "Improving risk-adjusted measures of surgical site infection for the national healthcare safety network". *Infection Control Hospital Epidemiology*, 32(10): (2011): 970-86.
- (5) "Joint Replacement Infection." *OrthoInfo*, [orthoinfo.aaos.org/en/diseases--conditions/joint-replacement-infection/](http://orthoinfo.aaos.org/en/diseases--conditions/joint-replacement-infection/).

# **LETTERS OF ENDORSEMENT FROM ORGANIZATIONS**

April 11, 2019

Kaitlyn S. Sevarino, MBA  
Senior Manager, Quality and Value  
Implementation Department of Clinical Quality  
and Value

Dear Ms. Sevarino,

The American Association of Hip and Knee Surgeons has approved endorsement of the AAOS *Management of Surgical Site Infections Appropriate Use Criteria*. This endorsement implies permission for the AAOS to officially list our organization as an endorser of this Appropriate Use Criteria and reprint our logo in the introductory section of the Appropriate Use Criteria document.

Sincerely,



Michael J. Zarski,  
JD Executive  
Director

CC: Michael P. Bolognesi, MD, President  
Matthew S. Austin, MD, Chair, Evidence based Medicine Committee



QUALITY IS OUR IMAGE

acr.org

**William T. Thorwarth Jr., MD, FACR**  
*Chief Executive Officer*

Phone: 703-648-8901  
Fax: 703-648-3997  
Email: wthorwarth@acr.org

May 30, 2019

Kristy L. Weber, MD  
President  
American Academy of Orthopaedic Surgeons  
9400 West Higgins Road  
Rosemount, Illinois 60018

Dear Dr. Weber,

I am pleased to inform you that the Executive Committee of the American College of Radiology (ACR) Board of Chancellors has voted to endorse the American Academy of Orthopaedic Surgeons (AAOS) document on **Appropriate Use Criteria: Management of Postoperative Surgical Site Infections.**

This endorsement implies permissions for the AAOS to officially list our organization as an endorser of this guideline and reprint our logo in the introductory section of the guideline document.

Thank you again for seeking our endorsement.

Sincerely,

William T. Thorwarth, Jr., MD, FACR  
Chief Executive Officer