# Presurgical Checklist for Periprosthetic Joint Infection Diagnosis

<table>
<thead>
<tr>
<th>Patient Name Last:</th>
<th>MR #</th>
</tr>
</thead>
<tbody>
<tr>
<td>First:</td>
<td>Today’s Date:</td>
</tr>
<tr>
<td>Date of Birth:</td>
<td>Date of Surgery:</td>
</tr>
<tr>
<td>Sex: M F</td>
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</tbody>
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**INSTRUCTIONS:** Indicate that the task has been completed by placing a check in the box. Once completed, sign full name at bottom of page.

## PREOP HISTORY

1. Patient is off of antibiotics for 2 weeks prior to diagnosis

## PREOP BLOOD TESTS FOR DIAGNOSIS (Must complete ESR and CRP):

1. Serum erythrocyte sedimentation rate (ESR) (>30 mm/hr)
2. Serum C-reactive protein (CRP) (>1 mg/dL)
3. Serum interleukin-6 (optional) (>10 pg/mL)

## PREOP/INTRAOP SYNOVIAL FLUID EXAMINATION:

1. Synovial fluid aerobic and anaerobic bacterial cultures
2. Synovial fluid leukocyte count (>3000 cells/mL) and neutrophil percentage (>80%)
3. Synovial fluid leukocyte esterase (++)
4. Synovial fluid alpha defensin (α-defensin) (signal-to-cutoff ratio >1)
5. Synovial fluid C-reactive protein (CRP) (>6.9 mg/L)
6. Synovial fluid nucleic acid amplification testing [e.g., polymerase chain reaction (PRP) for bacteria]

Clinician Signature: _________________________________ Date/Time: ________________

**Please note:** Laboratory ranges may change from one lab to another. Tests should be interpreted relative to your Laboratory’s normal values. This presurgical checklist is intended for use by orthopaedic surgeons and physicians for the diagnosis and prevention of Periprosthetic Joint Infections. This information was current at the time of publication. However, medical information is always changing, and some information given here may be out of date. This checklist is based off recommendations from the 2019 AAOS Clinical Practice Guideline for the Diagnosis and Prevention of Periprosthetic Joint Infections. To review this guideline please visit [http://www.orthoguidelines.org/topic?id=1028](http://www.orthoguidelines.org/topic?id=1028)