# Interventional Radiology
## Antibiotic Prophylaxis Guidelines

### PRE-PROCEDURE CONSIDERATIONS
Pre-existing infections (known or suspected) – if present, use appropriate treatment regimen instead of prophylactic regimen for procedure. Doses should be scheduled to allow for re-dosing just prior to procedure.

### PROPHYLAXIS REGIMEN

<table>
<thead>
<tr>
<th>Clinical Situation</th>
<th>First line regimen</th>
<th>Alternative (Immediate type or severe penicillin or cephalosporin hypersensitivity)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Percutaneous Nephrostomy Tube Placement or Exchange</td>
<td>Cephazolin 2g IV (single dose only) bolus over 5 minutes before procedure</td>
<td>Gentamicin 3mg/kg IV (single dose only) bolus over 5 minutes before procedure PLUS Vancomycin 1g IV (single dose only) infused over 100 minutes before procedure, (1.5g IV for patients &gt; 80 kg, infused over 150 minutes)</td>
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<tr>
<td>Percutaneous transhepatic cholangiogram (with or without stent placement)</td>
<td>Cephazolin 2g IV (single dose only) bolus over 5 minutes at time of induction</td>
<td>Gentamicin 3mg/kg IV (single dose only) bolus over 5 minutes before procedure</td>
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<td>with expected incomplete drainage (e.g. PSC, hilar strictures) or recent ERCP (within 1 week)</td>
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<tr>
<td>Percutaneous endoscopic gastrostomy (PEG) or jejunostomy (PEJ)</td>
<td>Cephazolin 2g IV (single dose only) bolus over 5 minutes before procedure</td>
<td>Vancomycin 1g IV (single dose only) infused over 100 minutes before procedure, (1.5g IV for patients &gt; 80 kg, infused over 150 minutes)</td>
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<tr>
<td>Central vascular access device insertion (e.g. PICC, Portacath, Permacath)</td>
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<td>Antibiotics not indicated</td>
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</tbody>
</table>

### MRSA COLONISATION

Percutaneous procedures in patients with a history of MRSA colonisation or infection

ADD Vancomycin 1g IV infused over 100 minutes before procedure (1.5g IV for patients > 80 kg infused over 150 minutes)

**VANCOMYCIN ALTERNATIVE**

Patients with insufficient time to complete vancomycin infusion prior to procedure

USE Teicoplanin 800mg IV (single dose only) bolus over 5 minutes before procedure (1200mg IV for patients > 100 kg)

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