## Penn Interventional Radiology

**Laboratory value guidelines for Interventional Radiology procedures**

<table>
<thead>
<tr>
<th>Procedure Description</th>
<th>INR</th>
<th>platelets</th>
<th>heparin</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diagnostic arteriography and arterial interventions, non-vascular procedures (except para-and thoracentesis), TIPS, ports</td>
<td>≤1.5</td>
<td>≥50,000</td>
<td>off 2 hours</td>
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<tr>
<td>Tunneled catheters, transjugular liver biopsy, IVC filter, dialysis access interventions (excluding central PTA), para- and thoracentesis</td>
<td>≤2.0</td>
<td>≥25,000</td>
<td>off at onset</td>
</tr>
<tr>
<td>Nontunneled catheters, tunneled catheter removal (without cutdown)</td>
<td>none</td>
<td>none</td>
<td>off at onset</td>
</tr>
</tbody>
</table>

Creatinine:
- ≤1.5 - proceed; 1.5-1.9 - bicarbonate protocol; ≥2.0 - consider alternative e.g. MRA, use bicarbonate protocol
- No creatinine needed for catheter placements

For tube changes, labs within 3 months are acceptable unless interim change in therapy (eg, initiation of anticoagulation) warrants otherwise

*these guidelines may be waived in unusual circumstances on a case-by-case basis

SOT
6/21/04
Rev 6/27/06
Rev 3/21/07
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