Full Intensity SQ Heparin

Guidelines for Fixed Dose, Full Intensity SQ Heparin

- Unfractionated heparin (UFH) 250 units/kg SQ q12h with no aPTT monitoring
- Consider 333 units/kg SQ loading dose for treatment of acute thrombosis
- Do not use for treatment of arterial thrombosis (eg. AF, valve replacement, etc.)

Guidelines for Adjusted Dose, Full Intensity SQ Heparin

Initial Dosing

Starting therapy with adjusted-dose SQ heparin

- Give UHF 240 units/kg SQ x 1
- Check aPTT 6 hours after first dose
- Adjust dosing according to chart below

Converting from continuous infusion heparin to adjusted dose SQ heparin

- Calculate 24hr dosing requirement necessary to maintain therapeutic PTT
- Divide into two q12h doses
- Discontinue IV heparin and administer first SQ dose within 1 hour
- Check first PTT 6 hours after first dose
- Adjust dosing according to chart below

Converting from warfarin to adjusted dose SQ heparin

- Discontinue warfarin
- Give heparin 240 units/kg SQ when INR < lower limit of therapeutic range
- Check aPTT 6 hours after first dose
- Adjust dosing according to chart below

Maintenance Dosing Adjustments

<table>
<thead>
<tr>
<th>PTT (sec)</th>
<th>Dosing Adjustment (round to nearest 500 units)</th>
<th>Next PTT</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt; 40</td>
<td>increase by 36 - 48 units/kg q12h</td>
<td>6 hours after a dose in 1-3 days</td>
</tr>
<tr>
<td>40 - 59</td>
<td>increase by 24 - 36 units/kg q12h</td>
<td>6 hours after a dose in 1-3 days</td>
</tr>
<tr>
<td>60 - 100</td>
<td>no change</td>
<td>q4-7 days (6 hours after a dose)</td>
</tr>
<tr>
<td>101 - 120</td>
<td>decrease by 6 - 12 units/kg q12h</td>
<td>6 hours after a dose in 1-3 days</td>
</tr>
<tr>
<td>121 - 140</td>
<td>decrease by 12 - 24 units/kg q12h</td>
<td>6 hours after a dose in 1-3 days</td>
</tr>
<tr>
<td>&gt; 140</td>
<td>decrease by 24 - 36 units/kg q12h</td>
<td>6 hours after a dose in 1-3 days</td>
</tr>
</tbody>
</table>
Therapeutic Monitoring

- Baseline: CBC, PT/INR, PTT
- First 2 weeks of therapy: CBC q2-3 days
- Chronic therapy: CBC q1-3 months

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