Date______ Time ______

Adult ACS-MI Heparin Protocol (Effective June 2011 - Present)

Laboratory:

1. Baseline CBC, then daily while on heparin
2. Baseline PT with INR and aPTT prior to initiation of heparin
3. aPTT q6h and adjust according to sliding scale below.
   May decrease to daily aPTT once two consecutive aPTTs are within the therapeutic range.

Heparin Initial Bolus and Infusion: (see chart below)

4. ( ) Bolus: 60 units/kg = _________ units
   * max of 5,000 units
5. ( ) Infusion: 12 units/kg/hour = _________ ml/hr
   * initial max of 20 ml/hr (1,000 units/hour)
6. Discontinue all other orders for heparin products (i.e. heparin, enoxaparin)

Heparin Rate Adjustment Sliding Scale:

7. aPTT q6 hours until within range x2, then may decrease to daily with AM labs
8. Adjust heparin drip as follows:
   * If aPTT < 50, re-bolus patient with specified heparin dose in addition to increasing rate

Goal aPTT: 50-70 seconds

* Once two consecutive aPTTs are within range, may collect daily with AM labs

<table>
<thead>
<tr>
<th>aPTT</th>
<th>Re-bolus Units/kg (max)</th>
<th>Hold Infusion</th>
<th>Rate Change</th>
<th>Repeat aPTT</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;30</td>
<td>60 units/kg (max 5,000)</td>
<td>0 min</td>
<td>increase by 2 units/kg/hr</td>
<td>6 hours</td>
</tr>
<tr>
<td>30-49</td>
<td>30 units/kg (max 2,500)</td>
<td>0 min</td>
<td>increase by 1 units/kg/hr</td>
<td>6 hours</td>
</tr>
<tr>
<td>50-70</td>
<td>No bolus</td>
<td>0 min</td>
<td>No Change</td>
<td>6 hours*</td>
</tr>
<tr>
<td>71-95</td>
<td>No bolus</td>
<td>0 min</td>
<td>decrease by 2 units/kg/hr</td>
<td>6 hours</td>
</tr>
<tr>
<td>&gt;95</td>
<td>No bolus</td>
<td>60 min</td>
<td>decrease by 3 units/kg/hr</td>
<td>6 hours</td>
</tr>
</tbody>
</table>

9. Round all bolus doses to the nearest 500 units, and infusion rates to the nearest 10 units/hr

Initial Dosing Calculations

Initial bolus and infusion rates as well as rate adjustments will be calculated in SCM based on the patient weight on file.
These rates and adjustments are specific to this protocol only.
Please see calculations below for double checking these rates.

Round all bolus doses to the nearest 500 units, and infusion rates to the nearest 10 units/hr

Actual body weight __________ kg

Dose (units/hr) = Dose Rate (units/kg/hr) x Weight (kg)

Drip rate (mL/hr) = Dose Rate (units/kg/hr) x Weight (kg) / Concentration (50 units/mL)