Heparin IV Drip Weight-Based (VTE) Adult Protocol Subphase

Vital Signs/Monitoring

- **Confirm Dosing Weight is Documented and Accurate (NOTE)**
- **Notify Provider Laboratory Results**
  - Prior to initiation of protocol, call if: Plt < 50,000
- **Initiate Protocol**
  - **Heparin IV Weight Based Protocol, Constant Indicator**
  - **Heparin Protocol Record**
  - **PRN Order**

Nursing

- Check for aPTT results within 60 minutes of sending lab specimen. If result is not available, call the lab for the result (NOTE)*
- Document communication with physician on each aPTT result within 2 hours of drawing the aPTT (NOTE)*
- Order Intravenous Access Device Adult/Pediatric Subphase if venous access device insertion and management is needed (NOTE)*

Medications

- **heparin IV initial BOLUS (unit/kg) for VTE (conc=5000units/mL)**
  - 80 unit/kg, IV, Injection, ONCE, Urgent/First Med Dose Now (DEF)*
  - Comments: for initial bolus per heparin protocol (VTE); Max bolus dose = 10,000 units/dose
- **heparin IV RE-BOLUS (unit/kg) (concentration=5000units/mL)**
  - 80 unit/kg, IV, Injection, PRN, PRN Other (see comment)
  - Comments: for re-bolus per heparin protocol (VTE); Max bolus dose = 10,000 units/dose
- **heparin 100 unit/mL in 250mL PREMIX IV Drip (unit/kg/hr) (IVS)**
  - Premix product
  - IV
  - Comments: Max Initial Rate = 1,800 units/hour; Conc: 100 unit/mL; Total Vol = 250 mL; Adjust rate per heparin protocol (VTE)

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<table>
<thead>
<tr>
<th>aPTT Value</th>
<th>Heparin Bolus</th>
<th>Change in Drip Rate</th>
<th>Check next</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt; 38 sec</td>
<td>80 units/kg</td>
<td>Increase by 4 unit/kg/hr</td>
<td>6 hours 38-45 sec</td>
</tr>
<tr>
<td>None</td>
<td>Increase by 4 unit/kg/hr</td>
<td>6 hours 46-57 sec</td>
<td>None</td>
</tr>
<tr>
<td>Increase by 2 unit/kg/hr</td>
<td>6 hours 58-96 sec</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Per protocol 97-116 sec</td>
<td>None</td>
<td>Decrease by 2 unit/kg/hr</td>
<td>6 hours &gt; 116 sec</td>
</tr>
<tr>
<td>Hold infusion</td>
<td>Decrease by 4 unit/kg/hr</td>
<td>6 hours for one hour &amp; notify MD</td>
<td></td>
</tr>
</tbody>
</table>

- **heparin INET premix 25,000 unit/250 mL**
  - 25,000 unit, 18, unit/kg/hr

Laboratory

- Obtain the following URGENT labs if not done in the last 24 hours (NOTE)*
- **APTT**
  - Blood, Urgent collect, ONCE
  - **+6 Hours APTT**
  - Blood, Timed Study collect, Q6HR INTERVAL
    - Comments: Draw from arm opposite to heparin infusion
    - If 3 consecutive aPTT levels are within the set therapeutic range, then the nurse is to discontinue the Q6HR interval aPTT
  - **PT/INR**
    - Blood, Urgent collect
  - **CBC with Diff**
    - Blood, Urgent collect, ONCE
  - Notify Provider Laboratory Results
    - aPTT > 116, aPTT < 38
  - Notify Provider Laboratory Results
    - For 3 consecutive lab results outside range or for signs of bleeding, aPTT > 96, aPTT < 58
Conditional Lab Instructions

Order and obtain additional APTT specimens, per Heparin Protocol, PRN order

Obtain the following every morning while on heparin protocol:(NOTE)*
Note: A platelet count is included in a routine CBC and does not need to be ordered separately(NOTE)*
Platelet Count

Blood, Routine collect, AM LAB

APTT

Blood, Routine collect, AM LAB

Comments: If AM aPTT level is outside the specified goal range, then the nurse is to re-order the aPTT level every 6 hours until there are 3 consecutive aPTT values in therapeutic range.

Other

Subphase Activated

*Report Legend:
DEF - This order sentence is the default for the selected order
GOAL - This component is a goal
IND - This component is an indicator
INT - This component is an intervention
IVS - This component is an IV Set
NOTE - This component is a note
Rx - This component is a prescription
SUB - This component is a sub phase