Hyperkalemia Treatment Algorithm
(K+ > 6 meq/L)
Protect, Push, Purge

ONE OF THE FOLLOWING:
1. **FIRST LINE:** Calcium Gluconate 10 mL/1 g IV (10 mL = 90 mg Ca +2)
2. **ALTERNATE:** Calcium Chloride 10 mL/1 g IV (10 mL = 270 mg Ca +2)
   ONLY for pt with CVC or in arrest
3. **ALTERNATE:** Hypertonic Saline (HS) 3 ml/kg of 3% HS OR 3 ml/kg of 8.4% HS
   **-Only in hyponatremic hypovolemic patients**

**NEBULIZED ALBUTEROL**
(see adjacent box)
AND **INSULIN/GLUCOSE**
(See Below)

<table>
<thead>
<tr>
<th>Insulin Options</th>
<th>Glucose Dose</th>
<th>Glucose Re-Dose</th>
<th>Lab Monitoring</th>
</tr>
</thead>
<tbody>
<tr>
<td>Regular 5 U</td>
<td>25g D50</td>
<td>None</td>
<td>BS q 1 hr x3</td>
</tr>
<tr>
<td>(Consider in ESRD)</td>
<td>(1 amp)</td>
<td></td>
<td>BMP 1 hr post insulin</td>
</tr>
<tr>
<td>Regular 10 U</td>
<td>25g D50</td>
<td>25g D50 @ 1 hr</td>
<td>BS q 30 min x 6</td>
</tr>
<tr>
<td>(1 amp)</td>
<td></td>
<td>post insulin</td>
<td>BMP 2hr post insulin</td>
</tr>
<tr>
<td>Regular 10 U</td>
<td>D10W gtt @</td>
<td>None</td>
<td>BS q 1 hr x3</td>
</tr>
<tr>
<td>(Consider if glucose &lt;100 mg/dL)</td>
<td>200 ml/h infusion</td>
<td></td>
<td>BMP 2hr post insulin</td>
</tr>
</tbody>
</table>

ESRD = End Stage Renal Disease, BMP = Basic Metabolic Panel, glucose mg/dL

**Hypovolemic AND Metabolic acidosis?**

- **Yes**
  - Consider Sodium Bicarb 1 amp
    **(LIMITED EVIDENCE)**
  - Consider IV loop diuretics AND/OR K-BINDING AGENTS

- **No**
  - **Urinary obstruction, Anuric or oliguric?**
    **Yes**
    - Dialysis/CRRT