**DERMATOLOGIC REACTIONS ONLY:**
- Sudden and unexpected redness of skin (flushing), itching, hives or swelling

**SYSTEMIC REACTIONS**
- Respiratory Compromise: dyspnea, wheezing, stridor, hypoxemia, persistent cough
- Dizziness or Hypotension
- Involvement of mucosal tissue (swollen lips, tongue or uvula) or difficulty swallowing or talking
- Persistent GI Symptoms: crampy abdominal pain, vomiting, diarrhea

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**Flowchart Description:**

1. **Hem/Onc patient presents with an Allergic Reaction**
   - **Is the reaction dermatologic only or systemic?**
   - **Dermatologic only**
     - **Administer Diphenhydramine IV**
     - **Do symptoms improve within 15 minutes?**
       - Yes: **Observe patient for 4-6 hours or admit for observation**
     - No: **Administer:****
       - Famotidine IV and/or
       - Hydrocortisone IV
     - **Is patient stable with improvement?**
       - Yes: **If symptoms do not improve in 5 minutes:****
         - Repeat Epinephrine IM
         - Give Famotidine IV: if not already given
         - Respiratory symptoms or hypoxemia – give Albuterol
         - Hypotension – give 0.9% NaCl bolus and place in recumbent position
       - No: **If symptoms do not improve:**
         - Call CODE x111 or Rapid Response x54369
         - Repeat Epinephrine IM
         - Admit to ICU
     - No: **Have symptoms progressed to systemic reaction or is dermatologic reaction worsening?**
       - Yes: Patient is stable but skin involvement has NOT improved; repeat administration IV every 4-6 hours PRN:
         - Hydrocortisone IV and
         - Diphenhydramine IV
       - No: **Do symptoms improve within 5 minutes?**
         - Yes: Admit patient for observation (consider ICU)
         - No: **If symptoms do not improve in 5 minutes:**
           - Repeat Epinephrine IM
           - Give Famotidine IV: if not already given
           - Respiratory symptoms or hypoxemia – give Albuterol
           - Hypotension – give 0.9% NaCl bolus and place in recumbent position

**Allergic Reaction Dosing:**
- Diphenhydramine (1mg/kg/dose, max 50mg) every 4-6 hours PRN
- Famotidine (0.5mg-1mg/kg/dose, max 20mg) *Not floor stock – get from pharmacy*
- Epinephrine: EpiPen Auto-Injector if ≥ 30kg or EpiPen Junior Auto-Injector if <30kg
- Hydrocortisone (1mg/kg/dose, max 250mg)
- Albuterol (2.5mg/3ml (0.083%) 3ml Nebulized or 2 puffs via MDI
- Oxygen 100% via non-rebreather face mask
- NaCl bolus 20mL/kg

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