

**Beebe Healthcare  
Margaret H. Rollins School of Nursing  
Nursing 102-Insulin Lab Requirements**

- **Come to the Insulin lab prepared to discuss Insulin therapy and answer questions**
- **Please bring the following to the insulin lab:**
  - A completed ATI Medication Template for Insulin
  - Insulin Packet (all contents)
- **Study administration of insulin and be prepared to discuss**
  - **Explain diagnostics**
    - Normal blood glucose levels
    - Drawn AM, AC, HS, & whenever S/S hypo/hyperglycemia
    - HbA1c
  - **Onset, Peak, Duration for all types**
  - **Identify which insulin is**
    - clear or cloudy
    - given IV
    - given via pump
    - basal or bolus
  - **Procedure for injection**
    - Administration sites –abdomen (best), arm, thigh
    - Rotation of sites
    - Appropriate syringe/needle selection
  - **Identify problems with Insulin therapy**
    - Allergies
    - Lipodystrophy
    - Lipohypertrophy
    - Somogyi Effect
    - Dawn Phenomenon
  - **Signs and treatments of hypoglycemia and hyperglycemia**
  - **Identify fixed doses of insulin**
    - 70/30-70 units NPH, 30 units Regular
    - Humalog mix 70 units NPH, 30 units of Humalog
    - 50/50 etc.
  - **Storage of insulin**
    - Open vials may be stored @ room temperature for 28 days
    - Insulin stored in patient med drawer
  - **Discuss alternative insulin devices**
    - Pen
    - Pump