Review **Calculations related to medications and IV drips, Basic Safety and Infection Control, National Patient Safety Goals, Pain Management, and Blood Administration.**

Review **monitoring, assessment and interpretation of assessment data,** including:

- Arterial blood gases (ABGs)
- Arterial line waveform
- Blood culture, permissive and non-permissive sites
- ECG interpretation, rates and rhythms
- Serum creatinine
- Serum glucose
- Serum uric acid

Review **action, administration, dosage calculation, observations including laboratory results, toxic symptoms, and special precautions related to medications** commonly administered in NICU, such as:

- Antibiotics, including vancomycin
- Digoxin (Lanoxin®)
- Epinephrine
- Furosemide (Lasix®)
- Heparin
- Insulin
- KCl IV
- Methylxanthine agents such as caffeine
- Nitrous oxide
- Surfactant, intrathecal administration
- Total Parenteral Nutrition

Review **assessment, nursing actions and ongoing monitoring related to conditions common in the NICU,** such as:

- Apnea of prematurity
- Bacterial sepsis
- Chronic lung disease/bronchopulmonary dysplasia
- Coarctation of the aorta
- Congestive Heart Failure
- Diaphragmatic hernia
- Down Syndrome
- Neonatal abstinence syndrome
- Infant of a diabetic mother
• Intraventricular hemorrhage
• Jaundice
• Respiratory distress syndrome
• Very low birth weight

Review care of infants who are on ventilators, including:

• Potential complications of PEEP or CPAP
• High frequency ventilator

Review preventive and protective measures including:

• Protecting skin integrity, including preventing the Never Event, pressure ulcer
• Preventing heat loss
• Preventing retinopathy of prematurity

Review procedures common in the NICU, including:

• Weight-based fluid calculations
• Procedure for thawing breast milk
• Uses of umbilical venous catheter and arterial catheters and related complications

Review communications with parents, including situations of uncertain prognosis and prognosis of disability and ongoing needs for medical care