

# Pediatric Learning Solutions

## Pediatric Learning Solutions' Course Alignment with NICU RNC Exam Detailed Content Outline

The following Pediatric Learning Solutions courses align to focus areas of the Core RNC Neonatal Intensive Care Nursing exam content outline. This resource can also be used to prepare for the Core RNC Inpatient Obstetric Nursing, Low Risk Neonatal Nursing and Maternal Newborn Nursing exams. These courses equip candidates with the foundational knowledge necessary to approach the Core RNC exams with confidence. Go to the [National Certification Corporation](#) site for more information on the Core RNC Exams. Pediatric Learning Solutions' course alignment with Core RNC Neonatal Intensive Care Nursing Exam Content Outline.



# General Assessment and Management

## Maternal History and Risk

### Effects of Maternal Medical Complications

- ✓ Maternal Factors Affecting the Newborn
- ✓ Anemia and Polycythemia in the Neonate
- ✓ Neonatal Sepsis
- ✓ Thrombocytopenia: ITP and HIT/T

### Problems Associated With Amniotic Fluid and Membranes

- ✓ Maternal Factors Affecting the Newborn
- ✓ Comprehensive Assessment of the Neonate
- ✓ Neonatal Sepsis

### Significance of Finding (AFP/BPP/diagnostic ultrasound)

- ✓ Maternal Factors Affecting the Newborn
- ✓ Comprehensive Assessment of the Neonate

### Fetal Heart Rate

- ✓ Maternal Factors Affecting the Newborn

## Fluids and Electrolytes

### Normal Requirements

- ✓ Neonatal Nutrition
- ✓ Fluid and Electrolyte Management: Physiological Differences

### Monitoring Status

- ✓ Neonatal Nutrition
- ✓ Fluid and Electrolyte Management: Laboratory Assessment
- ✓ Fluid and Electrolyte Management: Physical Assessment
- ✓ Fluid and Electrolyte Management: Dehydration

### Effects of Humidity, Maturity, Temperature

- ✓ Comprehensive Assessment of the Neonate
- ✓ Maternal Factors Affecting the Newborn
- ✓ Neonatal Nutrition
- ✓ Neonatal Skin Care
- ✓ Thermoregulation of the Newborn Infant
- ✓ Developmental Care of the Newborn

## Resuscitation and Stabilization

### Resuscitation and Stabilization of Diaphragmatic Hernia, Hydrops, Asphyxia, Upper Airway Obstruction

- ✓ Congenital Diaphragmatic Hernia
- ✓ Maternal Factors Affecting the Newborn
- ✓ Hypoxic Ischemic Encephalopathy
- ✓ Management of the Difficult Airway

### Maternal Medications

- ✓ Maternal Factors Affecting the Newborn
- ✓ Neonatal Abstinence Syndrome

### Problems in Labor

- ✓ Maternal Factors Affecting the Newborn
- ✓ Anemia and Polycythemia in the Neonate
- ✓ Meconium Aspiration Syndrome
- ✓ Hypoxic Ischemic Encephalopathy

### Obstetric Emergencies

- ✓ Maternal Factors Affecting the Newborn
- ✓ Anemia and Polycythemia in the Neonate
- ✓ Hypoxic Ischemic Encephalopathy

### Impact of Methods of Delivery on the Neonate

- ✓ Maternal Factors Affecting the Newborn

### Specific Problems

- ✓ Gastroschisis and Omphalocele
- ✓ Thermoregulation of the Newborn Infant
- ✓ Neonatal Skin Care
- ✓ Hypoxic Ischemic Encephalopathy
- ✓ Neonatal Nutrition
- ✓ Fluid and Electrolytes: Dehydration
- ✓ Anemia and Polycythemia in the Neonate
- ✓ Congenital Heart Disease: Acyanotic Defects
- ✓ Congenital Heart Disease: Cyanotic Defects
- ✓ Pediatric Peripheral IV Care and Management
- ✓ Management of Peripheral IV Complications in the Pediatric Patient

### Parenteral Fluid Therapy

- ✓ Neonatal Nutrition
- ✓ Pediatric Peripheral IV Care and Management
- ✓ Central Lines in the Neonate

## Physical Assessment

### Normal/Abnormal Findings

- ✓ Comprehensive Assessment of the Neonate
- ✓ Maternal Factors Affecting the Newborn
- ✓ Developmental Care of the Newborn

# Nutrition and Feeding

## Nutritional Requirements

- ✓ Neonatal Nutrition
- ✓ Fluid and Electrolyte Management: Physiological Differences
- ✓ Nutrition of the Critically Ill Child
- ✓ Pediatric Nutritional Overview

## Enteral Feeding (feeding cues, bottle/breastfeeding, dietary supplements)

- ✓ Neonatal Nutrition
- ✓ Nutrition of the Critically Ill Child
- ✓ Pediatric Nutritional Overview
- ✓ Developmental Care of the Newborn

## Parenteral Nutrition

- ✓ Neonatal Nutrition
- ✓ Nutrition of the Critically Ill Child
- ✓ Pediatric Nutritional Overview
- ✓ Pediatric Peripheral IV Care and Management

## Nutritional Management (BPD, prematurity, short gut)

- ✓ Neonatal Nutrition
- ✓ Nutrition of the Critically Ill Child
- ✓ Pediatric Nutritional Overview
- ✓ Necrotizing Enterocolitis
- ✓ Bronchopulmonary Dysplasia
- ✓ Gastroschisis and Omphalocele

# Oxygenation/Ventilation and Acid-Base Homeostasis

## Oxygenation: Interpretation and Management

- ✓ Basic Principles of Oxygen Therapy, Specialty Gases and Noninvasive Ventilation
- ✓ Comprehensive Assessment of the Neonate
- ✓ Extrauterine Life: Assessment of the Neonate's Transition
- ✓ Extrauterine Life: Fetal to Neonatal Circulation
- ✓ Advanced Concepts in Respiratory Physiology

## Methods of Oxygenation/Ventilation

- ✓ Basic Principles of Oxygen Therapy, Specialty Gases and Noninvasive Ventilation
- ✓ Introduction to ECMO

## Mechanical Ventilation

- ✓ Advanced Concepts in Respiratory Physiology
- ✓ Mechanical Ventilation: Introduction to Pediatric Practices
- ✓ High-Frequency Ventilation
- ✓ Preventing Ventilator-Associated Pneumonia
- ✓ Basic Principles of Oxygen Therapy, Specialty Gases and Noninvasive Ventilation

## Blood Gases: Interpretation and Management

- ✓ Advanced Concepts in Respiratory Physiology
- ✓ Introduction to Arterial Blood Gas Interpretation
- ✓ Understanding Abnormal Blood Gases

# Gestational Age (At Birth)

## Interpretation of Growth Curves

- ✓ Comprehensive Assessment of the Neonate
- ✓ Neonatal Nutrition

## Associated Risks of Preterm, Post-term, SGA/IUGR and LGA

- ✓ Comprehensive Assessment of the Neonate
- ✓ Maternal Factors Affecting the Newborn
- ✓ Neonatal Nutrition
- ✓ Neonatal Respiratory Distress Syndrome
- ✓ Neonatal Skin Care
- ✓ Thermoregulation of the Newborn Infant
- ✓ Glucose Homeostasis in the Neonate
- ✓ Central Lines in the Neonate
- ✓ Management of Peripheral IV Complications in the Pediatric Patient

# Thermoregulation

## Mechanisms of Heat Loss/Production

- ✓ Thermoregulation of the Newborn Infant
- ✓ Neonatal Skin Care

## Maintaining NTE

- ✓ Thermoregulation of the Newborn Infant
- ✓ Neonatal Skin Care

## Management of Thermoregulation Problems

- ✓ Thermoregulation of the Newborn Infant
- ✓ Neonatal Skin Care
- ✓ Developmental Care of the Newborn

## Equipment

- ✓ Thermoregulation of the Newborn Infant
- ✓ Neonatal Skin Care
- ✓ Developmental Care of the Newborn

## Pharmacology

### Principles of Neonatal Pharmacology

- ✓ Neonatal Pharmacokinetics

### Dosage Calculation

- ✓ Neonatal Pharmacokinetics
- ✓ Basic Medication Calculation
- ✓ Advanced Medication Calculation

### Common Drugs

- ✓ Neonatal Pharmacokinetics
- ✓ Neonatal Sepsis
- ✓ Neonatal Pain Assessment and Management
- ✓ Congenital Heart Disease: Acyanotic Defects
- ✓ Congenital Heart Disease: Cyanotic Defects
- ✓ Apnea of Prematurity
- ✓ Neonatal Seizures
- ✓ Persistent Pulmonary Hypertension of the Newborn (PPHN)
- ✓ Vasoactive Medications

### Management of the Drug Exposed Neonate

- ✓ Maternal Factors Affecting the Newborn
- ✓ Neonatal Abstinence Syndrome

### Laboratory Drug Testing

- ✓ Neonatal Abstinence Syndrome

## Developmental Care

### Neurobehavioral Development/Self-Regulatory

- ✓ Developmental Care of the Newborn

### Impact of NICU Environment

- ✓ Developmental Care of the Newborn
- ✓ Family-Centered Care in the NICU

### Intervention Strategies

- ✓ Developmental Care of the Newborn
- ✓ Family-Centered Care in the NICU
- ✓ Age-Specific Care for Newborns
- ✓ Age-Specific Care for Infants

### Pain

- ✓ Neonatal Pain Assessment and Management
- ✓ Developmental Care of the Newborn
- ✓ Pain Management: Non-Pharmacological Therapies in the Management of Pediatric Pain

# Assess and Manage Pathophysiologic States

## Gastrointestinal

### Normal GI Function/Maturation of GI Tract

- ✓ Pediatric Assessment: The Gastrointestinal System
- ✓ Comprehensive Assessment of the Neonate
- ✓ Gastroschisis and Omphalocele

### Specific Problems (Presentation/Causes/Management/Complications/Outcomes)

- ✓ GE Reflux
  - ✓ Neonatal Nutrition
  - ✓ Nutrition in the Critically Ill Child
  - ✓ Esophageal Atresia and Tracheoesophageal Fistula
- ✓ GI Bleeds/Perforation/Peritonitis
  - ✓ Necrotizing Enterocolitis
  - ✓ Gastroschisis and Omphalocele
  - ✓ Neonatal Sepsis
- ✓ Hirschsprung's Disease
  - ✓ Comprehensive Assessment of the Neonate
- ✓ Intestinal Obstructions (Including meconium ileus/plug, volvulus, malrotation, ostomy care)
  - ✓ Comprehensive Assessment of the Neonate
  - ✓ Pediatric Assessment: The Gastrointestinal System
  - ✓ Necrotizing Enterocolitis
  - ✓ Gastroschisis and Omphalocele
  - ✓ Neonatal Sepsis

- ✓ Necrotizing Enterocolitis (Including colitis, bloody stools)
  - ✓ Necrotizing Enterocolitis
  - ✓ Neonatal Nutrition
  - ✓ Disseminated Intravascular Coagulation
  - ✓ Neonatal Sepsis
  - ✓ Preventing Surgical Site Infections
- ✓ Omphalocele/Gastroschisis
  - ✓ Gastroschisis and Omphalocele
  - ✓ Mechanical Ventilation: Introduction to Pediatric Practices
  - ✓ Preventing Surgical Site Infections
- ✓ Short Gut Syndrome
  - ✓ Necrotizing Enterocolitis
  - ✓ Preventing Surgical Site Infections
  - ✓ Nutrition in the Critically Ill Child
  - ✓ General Post-Op Care of the Transplant Patient

# Cardiac

## Transition to Extrauterine Life

- ✓ Extrauterine Life: Assessment of the Neonate's Transition
- ✓ Extrauterine Life: Fetal to Neonatal Circulation

## Cyanosis

- ✓ Comprehensive Assessment of the Neonate
- ✓ Congenital Heart Disease: Overview
- ✓ Congenital Heart Disease: Acyanotic Defects
- ✓ Congenital Heart Disease: Cyanotic Defects
- ✓ Persistent Pulmonary Hypertension of the Newborn (PPHN)

## Cardiovascular Assessment

- ✓ Comprehensive Assessment of the Neonate
- ✓ Pediatric Assessment: The Cardiovascular System
- ✓ Hemodynamic Monitoring
- ✓ Arrhythmia Recognition: The Cardiac Monitor

## Specific Problems (Presentation/Causes/Management/Complications/Outcomes)

- ✓ Arrhythmias
  - ✓ Structure and Function of the Heart
  - ✓ Electrophysiology
  - ✓ The Cardiac Monitor
  - ✓ Lines, Waves and Segments
  - ✓ Analyzing the ECG Rhythm Strip
  - ✓ Sinus Rhythms
  - ✓ Atrial Arrhythmias
  - ✓ Junctional Arrhythmias
  - ✓ Ventricular Arrhythmias
- ✓ Cardiac Tamponade
  - ✓ Pneumothorax in the Neonate

- ✓ Caring for the Pediatric Patient in Shock Congestive Heart Failure
  - ✓ Congestive Heart Failure
  - ✓ Hemodynamic Monitoring
  - ✓ Vasoactive Medications
- ✓ Congenital Heart Defects
  - ✓ Congenital Heart Disease: Overview
  - ✓ Congenital Heart Disease: Acyanotic Defects
  - ✓ Congenital Heart Disease: Cyanotic Defects
  - ✓ Extrauterine Life: Fetal to Neonatal Circulation
  - ✓ Maternal Factors Affecting the Newborn
  - ✓ Congestive Heart Failure
  - ✓ Hemodynamic Monitoring
  - ✓ Vasoactive Medications
  - ✓ Cardiovascular Laboratory Procedures: Diagnostic & Interventional
- ✓ Cyanotic vs Acyanotic Disease
  - ✓ Congenital Heart Disease: Overview
  - ✓ Congenital Heart Disease: Acyanotic Defects
  - ✓ Congenital Heart Disease: Cyanotic Defects
  - ✓ Extrauterine Life: Fetal to Neonatal Circulation
  - ✓ Vasoactive Medications
- ✓ Hypertension
  - ✓ Extrauterine Life: Fetal to Neonatal Circulation
  - ✓ Comprehensive Assessment of the Neonate
  - ✓ Persistent Pulmonary Hypertension of the Newborn (PPHN)
- ✓ Patent Ductus Arteriosus
  - ✓ Congenital Heart Disease: Overview
  - ✓ Congenital Heart Disease: Acyanotic Defects
  - ✓ Extrauterine Life: Fetal to Neonatal Circulation
  - ✓ Vasoactive Medications
- ✓ Shock
  - ✓ Caring for the Pediatric Patient in Shock

# Respiratory

## Normal Pulmonary Function

- ✓ Comprehensive Assessment of the Neonate
- ✓ Extrauterine Life: Assessment of the Neonate's Transition
- ✓ Advanced Concepts in Respiratory Physiology

## Specific Problems (Presentation/Causes/Management/Complications/Outcomes)

- ✓ Apnea of Prematurity
  - ✓ Apnea of Prematurity
  - ✓ Basic Principles of Oxygen Therapy, Specialty Gases and Noninvasive Ventilation
- ✓ Bronchopulmonary Dysplasia
  - ✓ Bronchopulmonary Dysplasia
  - ✓ Basic Principles of Oxygen Therapy, Specialty Gases and Noninvasive Ventilation
  - ✓ Neonatal Nutrition
- ✓ Diaphragmatic Hernia/Paralysis
  - ✓ Comprehensive Assessment of the Neonate
  - ✓ Congenital Diaphragmatic Hernia
  - ✓ Advanced Concepts in Respiratory Physiology
  - ✓ Mechanical Ventilation: Introduction to Pediatric Practices
  - ✓ High-Frequency Ventilation

- ✓ Basic Principles of Oxygen Therapy, Specialty Gases and Noninvasive Ventilation
- ✓ Vasoactive Medications
- ✓ Persistent Pulmonary Hypertension of the Newborn (PPHN)
  - ✓ Introduction to ECMO
- ✓ Hypoplastic Lungs
  - ✓ Comprehensive Assessment of the Neonate
  - ✓ Congenital Diaphragmatic Hernia
  - ✓ Advanced Concepts in Respiratory Physiology
  - ✓ Mechanical Ventilation: Introduction to Pediatric Practices
  - ✓ High-Frequency Ventilation
  - ✓ Vasoactive Medications
  - ✓ Basic Principles of Oxygen Therapy, Specialty Gases and Noninvasive Ventilation
  - ✓ Persistent Pulmonary Hypertension of the Newborn (PPHN)
    - ✓ Introduction to ECMO
    - ✓ Hemodynamic Monitoring
    - ✓ Vasoactive Medications
- ✓ Meconium Aspiration
  - ✓ Meconium Aspiration Syndrome

- ✓ Basic Principles of Oxygen Therapy, Specialty Gases and Noninvasive Ventilation
- ✓ Mechanical Ventilation: Introduction to Pediatric Practices
- ✓ High-Frequency Ventilation
- ✓ Introduction to ECMO
- ✓ Vasoactive Medications
- ✓ Persistent Pulmonary Hypertension
  - ✓ Persistent Pulmonary Hypertension of the Newborn (PPHN)
  - ✓ Extrauterine Life:
    - Assessment of the Neonate's Transition
    - Fetal to Neonatal Circulation
  - ✓ High-Frequency Ventilation
  - ✓ Advanced Concepts in Respiratory Physiology
  - ✓ Mechanical Ventilation: Introduction to Pediatric Practices
  - ✓ High-Frequency Ventilation
  - ✓ Introduction to ECMO
  - ✓ Basic Principles of Oxygen Therapy, Specialty Gases and Noninvasive Ventilation
  - ✓ Vasoactive Medications
- ✓ Transient Tachypnea of the Newborn
  - ✓ Transient Tachypnea of the Newborn
- ✓ Basic Principles of Oxygen Therapy, Specialty Gases and Noninvasive Ventilation
- ✓ Comprehensive Assessment of the Neonate
- ✓ Extrauterine Life:
  - Assessment of the Neonate's Transition
  - Fetal to Neonatal Circulation
- ✓ Maternal Factors Affecting the Newborn
- ✓ Advanced Concepts in Respiratory Physiology
- ✓ Mechanical Ventilation: Introduction to Pediatric Practices
- ✓ High-Frequency Ventilation
- ✓ Preventing Ventilator-Associated Pneumonia
- ✓ Caring for a Child with a Tracheostomy
- ✓ Neonatal Respiratory Distress Syndrome
- ✓ Specific Therapies
  - ✓ Nursing Management of Chest Tubes
  - ✓ Advanced Concepts in Respiratory Physiology
  - ✓ Mechanical Ventilation: Introduction to Pediatric Practices
  - ✓ High-Frequency Ventilation
  - ✓ Introduction to ECMO
  - ✓ Basic Principles of Oxygen Therapy, Specialty Gases and Noninvasive Ventilation

## Hematopoietic

### Interpret Laboratory Values

- ✓ Fluid and Electrolyte Management: Laboratory Assessment
- ✓ Neonatal Sepsis
- ✓ Anemia and Polycythemia in the Neonate
- ✓ Disseminated Intravascular Coagulation
- ✓ Thrombocytopenia: ITP and HIT/T
- ✓ Hyperbilirubinemia

### Administration of Blood and Blood Products

- ✓ Blood and Blood Components Administration
- ✓ Blood Components
- ✓ Blood Transfusion Reaction
- ✓ Blood Exchange Transfusion
- ✓ Pulmonary Hemorrhage
- ✓ Respiratory Distress Syndrome
  - ✓ Introduction to Arterial Blood Gas Interpretation
  - ✓ Understanding Abnormal Blood Gases

### Developmental Differences

- ✓ Anemia and Polycythemia in the Neonate
- ✓ Pneumothorax/Air Leaks
  - ✓ Neonatal Respiratory Distress Syndrome
  - ✓ Pneumothorax in the Neonate
  - ✓ Meconium Aspiration Syndrome
  - ✓ Nursing Management of Chest Tubes
  - ✓ Neonatal Respiratory Distress Syndrome
  - ✓ Pneumothorax in the Neonate
  - ✓ Nursing Management of Chest Tubes
  - ✓ Mechanical Ventilation: Introduction to Pediatric Practices
  - ✓ High-Frequency Ventilation
  - ✓ Basic Principles of Oxygen Therapy, Specialty Gases and Noninvasive Ventilation
  - ✓ Management of the Difficult Airway

### Hyperbilirubinemia

- ✓ Hyperbilirubinemia
- ✓ Anemia and Polycythemia in the Neonate
- ✓ Blood Exchange Transfusion

### Specific Problems

- ✓ Anemia
  - ✓ Anemia and Polycythemia in the Neonate
  - ✓ Disseminated Intravascular Coagulation
- ✓ Coagulopathies (e.g., ITP, DIC, HIT)
  - ✓ Disseminated Intravascular Coagulation
  - ✓ Thrombocytopenia: ITP and HIT/T
- ✓ Polycythemia and Hyperviscosity
  - ✓ Hyperbilirubinemia
  - ✓ Anemia and Polycythemia in the Neonate
  - ✓ Blood Exchange Transfusion
  - ✓ Congestive Heart Failure
- ✓ Rh/ABO incompatibilities, Hydrops Fetalis
  - ✓ Anemia and Polycythemia in the Neonate
  - ✓ Maternal Factors Affecting the Newborn
  - ✓ Hyperbilirubinemia
  - ✓ Blood Exchange Transfusion
  - ✓ Congestive Heart Failure
- ✓ Thrombocytopenia
  - ✓ Disseminated Intravascular Coagulation
  - ✓ Neonatal Sepsis
  - ✓ Blood Exchange Transfusion
  - ✓ Thrombocytopenia: ITP and HIT/T

## Neurological/Neuromuscular

### Specific Problems (Presentation/Causes/Management/Complications/Outcomes)

- ✓ Birth Injuries
  - ✓ Maternal Factors Affecting the Newborn
  - ✓ Intracranial Pressure Monitoring and Management
  - ✓ Hypoxic Ischemic Encephalopathy
- ✓ Hydrocephalus
  - ✓ Hydrocephalus
  - ✓ Intracranial Pressure Monitoring and Management
  - ✓ Craniotomy
- ✓ Hypoxic Ischemic Encephalopathy
  - ✓ Hypoxic Ischemic Encephalopathy
  - ✓ Organ and Tissue Donation: The Gift of Life
- ✓ Neural Tube Defects (e.g., AV malformation, myelomeningocele, encephalocele)
  - ✓ Hydrocephalus
  - ✓ Maternal Factors Affecting the Newborn
  - ✓ Craniotomy
- ✓ Hemorrhage (germinal matrix, IVH, subdural)
  - ✓ Neonatal Cranial Hemorrhage
  - ✓ Intracranial Pressure Monitoring and Management
  - ✓ Craniotomy
- ✓ Periventricular Leukomalacia
  - ✓ Neonatal Cranial Hemorrhage
  - ✓ Developmental Care of the Newborn
- ✓ Seizures
  - ✓ Status Epilepticus
  - ✓ Neonatal Seizures

## Infectious Diseases

### Interpret Laboratory Values

- ✓ Neonatal Sepsis
- ✓ Pediatric Sepsis
- ✓ Caring for the Pediatric Patient in Shock

### Immature Host Defenses

- ✓ Neonatal Sepsis

### Specific Problems (Presentation/Causes/Management/Complications/Outcomes)

- ✓ Neonatal Sepsis/Meningitis
- ✓ Meningitis and Encephalitis
  - ✓ Neonatal Sepsis
- ✓ Viral and Fungal Infections (hepatitis, CMV, TORCH)
  - ✓ Meningitis and Encephalitis
  - ✓ Neonatal Sepsis
  - ✓ Maternal Factors Affecting the Newborn

## Genitourinary

### Normal Renal Function/Urinary Output

- ✓ Comprehensive Assessment of the Neonate
- ✓ Renal Failure in the Pediatric Patient

### Specific Problems (Presentation/Causes/Management/Complications/Outcomes)

- ✓ Genital (ambiguous genitalia, inguinal hernia, testicular torsion)
  - ✓ Comprehensive Assessment of the Neonate
  - ✓ Pediatric Assessment: The Genitourinary System
- ✓ Urinary Tract (renal damage, renal failure, abnormalities, renal vein thrombosis)
  - ✓ Renal Failure in the Pediatric Patient
  - ✓ Hemodialysis
  - ✓ Peritoneal Dialysis
  - ✓ Continuous Renal Replacement Therapy
  - ✓ Neonatal Pharmacokinetics

## Genetic Disorders

### Inheritance Patterns

- ✓ Metabolic Disorders of the Newborn
- ✓ Hemophilia: An Overview

### Chromosomal Anomalies

- ✓ Comprehensive Assessment of the Neonate
- ✓ Maternal Factors Affecting the Newborn

- ✓ Bacterial Infections (E. coli, GBS, Staph)
  - ✓ Meningitis and Encephalitis
  - ✓ Neonatal Sepsis
  - ✓ Maternal Factors Affecting the Newborn
- ✓ Infection Control
  - ✓ Preventing Catheter-Associated Urinary Tract Infections (CAUTI)
  - ✓ Preventing Central Line-Associated Bloodstream Infections (CLABSI)
  - ✓ Preventing Surgical Site Infections
  - ✓ Preventing Ventilator-Associated Pneumonia
  - ✓ Central Lines in the Neonate
  - ✓ Management of MDROs in the Health Care Setting (Clinical)

## Head, Eyes, Ears, Nose and Throat

### Specific Eye Prophylaxis

- ✓ Comprehensive Assessment of the Neonate

### Specific Problems (Presentation/Causes/Management/Complications/Outcomes)

- ✓ Cephalohematoma
  - ✓ Maternal Factors Affecting the Newborn
  - ✓ Comprehensive Assessment of the Neonate
  - ✓ Neonatal Cranial Hemorrhage
- ✓ Choanal Atresia
  - ✓ Comprehensive Assessment of the Neonate
  - ✓ Management of the Difficult Airway
- ✓ Cleft Palate/Lip
  - ✓ Comprehensive Assessment of the Neonate
  - ✓ Neonatal Nutrition
  - ✓ Management of the Difficult Airway
- ✓ Retinopathy of Prematurity
  - ✓ Retinopathy of Prematurity
- ✓ Tracheal Stenosis/Atresia
  - ✓ Management of the Difficult Airway
  - ✓ Caring for a Child with a Tracheostomy
- ✓ Tracheomalacia
  - ✓ Mechanical Ventilation: Introduction to Pediatric Practices
  - ✓ Management of the Difficult Airway
  - ✓ Caring for a Child with a Tracheostomy
- ✓ Tracheostomy
  - ✓ Mechanical Ventilation: Introduction to Pediatric Practices
  - ✓ Management of the Difficult Airway
  - ✓ Caring for a Child with a Tracheostomy
- ✓ Subgaleal
  - ✓ Neonatal Cranial Hemorrhage
  - ✓ Intracranial Pressure Monitoring and Management
  - ✓ Craniotomy
- ✓ Trachea-Esophageal Fistula/Esophageal Atresia (TEF)
  - ✓ Comprehensive Assessment of the Neonate
  - ✓ Esophageal Atresia and TE Fistula
- ✓ Micrognathia
  - ✓ Maternal Factors Affecting the Newborn
  - ✓ Management of the Difficult Airway

## Metabolic/Endocrine

### Interpret Laboratory Values

- ✓ Neonatal Nutrition
- ✓ Metabolic Disorders of the Newborn
- ✓ Glucose Homeostasis in the Neonate
- ✓ Diabetes Insipidus and SIADH

### Metabolic Screening

- ✓ Neonatal Nutrition
- ✓ Metabolic Disorders of the Newborn

### Glucose Homeostasis

- ✓ Metabolic Disorders of the Newborn
- ✓ Glucose Homeostasis in the Neonate
- ✓ Maternal Factors Affecting the Newborn

### Specific Problems (Presentation/Causes/Management/Complications/Outcomes)

- ✓ Hypocalcemia/Hypercalcemia
  - ✓ Maternal Factors Affecting the Newborn
  - ✓ Metabolic Disorders of the Newborn
  - ✓ Neonatal Nutrition
  - ✓ Nutrition in the Critically Ill Child
- ✓ Hypoglycemia/Hyperglycemia
  - ✓ Maternal Factors Affecting the Newborn
  - ✓ Glucose Homeostasis in the Neonate
  - ✓ Diabetes Insipidus and SIADH
  - ✓ Comprehensive Assessment of the Neonate
- ✓ Infant of Diabetic Mother
  - ✓ Maternal Factors Affecting the Newborn
  - ✓ Glucose Homeostasis in the Neonate
- ✓ Thyroid and Adrenal Disorders
  - ✓ Comprehensive Assessment of the Neonate
  - ✓ Maternal Factors Affecting the Newborn
  - ✓ Glucose Homeostasis in the Neonate

## Assess and Manage Psychosocial/Behavioral Adjustment

## Discharge Planning and Follow-Up

### General

- ✓ NOTE: Incorporated into all PLS courses

### Infants with Special Needs

- ✓ Neonatal Nutrition
- ✓ Gastroschisis and Omphalocele
- ✓ Hypoxic Ischemic Encephalopathy
- ✓ Caring for a Child with a Tracheostomy
- ✓ Caring for the Complex Patient
- ✓ Neonatal Abstinence Syndrome

## Family Integration

- ✓ Maternal Factors Affecting the Newborn
- ✓ Family-Centered Care in the NICU
- ✓ Neonatal Abstinence Syndrome

## Grieving Process

- ✓ Care of the Dying Child: Care Issues
- ✓ Care of the Dying Child: Grief
- ✓ Care of the Dying Child: The Dying Process
- ✓ Family-Centered Care in the NICU



# Professional Issues

## Ethical Principles

### General

- ✓ Introduction to Ethics

## Evidence-Based Practice

### General

- ✓ Introduction to Research Ethics

## Patient Safety

### Communication

- ✓ Building and Leading Effective Teams
- ✓ Empowering Teams
- ✓ Giving and Receiving Feedback

### Interprofessional Practice

- ✓ Introduction to Workplace Diversity
- ✓ Building and Leading Effective Teams

# Professional Issues

## Patient Safety

- ✓ Assessment of the Critically Ill Child
- ✓ High-Alert Medications

# Professional/Legal Issues

## Professional Regulation Practice

- ✓ Therapeutic Relationships and Professional Behavior

## Staffing Issues

- ✓ Therapeutic Relationships and Professional Behavior
- ✓ Precepting Adult Learners
- ✓ Precepting: Preceptor Roles and Responsibilities
- ✓ Empowering Teams
- ✓ Giving and Receiving Feedback
- ✓ Building and Leading Effective Teams
- ✓ Clinical Delegation

## Legal Liability

- ✓ Introduction to Ethics
- ✓ Health Care Advance Directives: Communicating Wishes