



Perinatal and Neonatal Outreach Education Course Catalog

2022



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PERINATAL OUTREACH EDUCATION TEAM

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Or visit our website for more information at:

NationwideChildrens.org/PerinatalOutreach

PERINATAL EDUCATION

Perinatal Liaison Meeting

Audience: Directors/Managers/Educators

Sessions: 4/year — March, June, September and December

Type: Meeting

This is a quarterly meeting of perinatal nursing leadership in the Nationwide Children's referral area. We seek to provide a collaborative environment for problem-solving and quality improvement in the care of mothers, babies, and families. Networking opportunities available.

Lactation Consultant Liaison Meeting

Audience: Lactation Counselors and Consultants

Sessions: 2/year — March and September

Type: Meeting

This is a bi-annual meeting of lactation consultants in the Nationwide Children's referral area. We seek to provide a collaborative environment for problem-solving and quality improvement. Networking opportunities available.\

Comprehensive Nursing Care of the Sick Newborn

Audience: Nursing

Sessions: 2/year — March and October

Type: Lecture and discussion

Fee: \$120.00

A four-day course offered semi-annually at main campus, this conference is designed for nurses new to neonatal care or those working in level 1 and level 2 maternity units who desire to further their professional development.

A multi-disciplinary panel of speakers addresses topics of interest.

Course Objectives:

- Describe the early fetal and placental development, the difference between fetal and postnatal blood flow and describe the cardiorespiratory changes after birth.
- Describe behavioral and/or physiological symptoms of an infant exposed in utero substances of abuse and how to effectively manage them.
- Describe the physiology of heat production, heat loss, & heat conservation in the newborn and Identify the clinical signs & symptoms of hypothermia and hyperthermia and interventions to prevent heat loss in the newborn
- Describe neonatal skin development, common neonatal skin conditions and treatment.
- Explain the major pathogens causing sepsis in the newborn, the clinical presentation of presumed sepsis and the management provided for the newborn with presumed sepsis.
- Describe the common respiratory disorders in terms of definition, epidemiology, pathophysiology, clinical presentation, diagnosis & management
- Describe the physiology of eating, identifying the clinical manifestations of poor feeding and describe a variety of enteral products available for use in the newborn.
- Explain the management of transient neonatal hypoglycemia and identify the fluid requirements & standard fluid solutions for newborns.
- Identify the etiology, signs/symptoms and treatment of neonatal pain.
- Describe the common newborn neurological disorders in terms of incidence, predisposing factors, pathophysiology, clinical presentation, management and outcome.

PERINATAL EDUCATION

- Identify the 3 major classifications of genetic disorders and your role in caring for families with genetic disorders.
- Describe the congenital heart defects in terms of pathophysiology, clinical presentation, & management.
- Describe the common surgical disorders in terms of etiology, pathophysiology, clinical presentation, diagnosis & management.
- Describe the infections in the TORCH acronym in terms of transmission, pathophysiology, clinical presentation, diagnosis, management. and prognosis
- Identify common stressors & coping mechanisms of parents of the high-risk infant, interventions for enhancing parent-professional partnerships in providing family focused care and compassionate bereavement/palliative care to family members of a dying baby.
- Identify the function(s) of the blood cells, the steps in hemostasis and describe the common hematological disorders of the newborn in terms of etiology, clinical presentation & management.
- Differentiate between approach & avoidance cues of the newborn and describe the implementation of a developmental approach to care
- Differentiate between acidosis and alkalosis, describe how to analyze a blood gas and pulse oximetry guidelines used for newborns.
- Describe the pathophysiology of inborn errors of metabolism, identify the major hormones and glands that comprise the endocrine system and describe some of the specific metabolic and endocrine disorders seen in the newborns.
- Describe the anatomy and physiology of the renal system and describe the specific renal & GU disorders in terms of etiology, clinical presentation, diagnosis, & management.

Newborn Assessment for the Labor & Delivery and Mother/Infant Nurse

Audience: Nursing

Sessions: 2/year — March and September

Type: Lecture and discussion

Fee: \$30.00

A comprehensive eight hour course designed for labor and delivery as well as mother infant nurses on the assessment of the newborn. Can be scheduled at your facility.

Course Objectives:

- Describe how to do a gestational age assessment
- Identify normal and abnormal variations of the newborn exam
- Describe normal neonatal transition from intrauterine to extrauterine life
- Identify 3 reasons for term newborns to be transferred to a higher level of care

Transporting Newborns, the S.T.A.B.L.E. Way — Renewal Course

Audience: Interprofessional Education

Sessions: Scheduled as requested at your facility

Type: Lecture and discussion

Fee: \$10.00

For non-physician healthcare providers who have a current S.T.A.B.L.E. course completion card or physicians that work in a Level II, III or IV Special Care or Neonatal Intensive Care Unit.

Course Objectives:

- Same as Full Learner Course

Transporting Newborns, the S.T.A.B.L.E. Way — Full Learner Course

Audience: Interprofessional Education

Sessions: 2/year — April and October

Type: Lecture and discussion

Fee: \$20.00

CE Offered: Yes

This trademarked program developed by Dr. Kris Karlsen focuses on a concise guideline of neonatal stabilization activities to be used by caregivers prior to transport. This course is recommended for Level I and Level II facilities with obstetrical services. This course meets the Ohio Department of Health Maternity Licensure rules requirement for a post-resuscitation class. Can be scheduled at your facility.

Course Objectives:

- Describe the symptoms and treatment of hypoglycemia in the ill neonate.
- Discuss the principles of neonatal thermoregulation and the proper method of maintaining the newborns temperature.
- Describe the ways to monitor and to evaluate respiratory distress in the newborn.
- Identify complications associated with intubation and the use of positive pressure ventilation.
- Describe the types, presentation and treatment for shock in neonates.
- Describe the clinical signs of sepsis in the newborn and the initial antibiotic treatment of suspected sepsis.
- Describe the ways pre-transport caregivers can support parents of sick newborns.

Caring for the Family and Infant with Perinatal Substance Use Disorder

Audience: Interprofessional Education

Sessions: Scheduled as requested at your facility

Type: Lecture and discussion

CE Offered: Yes

This 1 hour course is designed specifically for healthcare providers who care for the neonate/infant outside of the hospital who was exposed to substances in-utero and diagnosed with neonatal abstinence syndrome or neonatal opioid withdrawal syndrome and has been discharged home.

Course Objectives

- Describe perinatal substance used disorder, neonatal abstinence syndrome and neonatal opioid withdrawal syndrome
- Differentiate how a baby exposed prenatally to substances can be different from a non-exposed infant developmentally
- Explain 2 ways to improve communication with the mother who has a perinatal substance used disorder.

Fundamentals of Post-Resuscitation Care of the Newborn

Audience: Nursing

Sessions: Scheduled as requested at your facility

Type: Lecture and discussion

Fee: \$10.00

This half day course is designed to meet the post-resuscitation education requirements of the Ohio Department of Health. The course covers the basics of post-resuscitation care of glucose management, temperature regulation, airway management, blood pressure support, lab work/sepsis evaluation, parental support and quality improvement.

Course Objectives:

- Describe the 3 most common reasons a newborn will need post-resuscitation care after delivery
- List 5 priorities when providing post-resuscitation care to a newborn
- List 3 interventions used to care for a newborn during post-resuscitation care

Imposter, Pretender, or the Real Thing. The Late Preterm Infant

Audience: Nursing/RT

Sessions: Scheduled as requested at your facility

Type: Lecture and discussion

Fee: \$10.00

CE Offered: Yes

This half day course is designed to increase the healthcare provider's knowledge of the prevalence of late preterm birth in the U.S., discuss the increased risk of morbidity and mortality in this population, and offer guidance for nursing care that ensures best outcomes.

Course Objectives:

- Differentiate between a late preterm and term infant
- Describe short and long-term complications of a later preterm infant
- Describe changes required to the care of the late-preterm infant and its mother compared to a term mother/infant dyad.

The Neonatal Lung & Respiratory Interventions

Audience: Nursing/RT

Sessions: Scheduled as requested at your facility

Type: Lecture, discussion, demonstration & return demonstration

Fee: \$10.00

CE Offered: Yes

This 4-hour seminar focuses on the unique physiology and pathophysiology of the neonatal lung and neonatal respiratory interventions.

Course Objectives:

- Describe normal neonatal lung pathophysiology
- Describe the common respiratory disorders in terms of definition, epidemiology, pathophysiology, clinical presentation, diagnosis & management
- Discuss appropriate use of bag mask ventilation, surfactant, nasal CPAP chest tubes and short-term mechanical ventilation

Nursing Care of the Infant with Neonatal Abstinence Syndrome

Audience: Nursing

Sessions: Scheduled as requested at your facility

Type: Lecture and discussion

CE Offered: Yes

This 2-2 ½ hour course discusses the current Opioid Use Disorder in pregnancy and neonatal abstinence syndrome/neonatal opioid withdrawal problem. This course is designed for those who care for the neonate after birth in the hospital.

Course Objectives:

- Increased knowledge on substance use disorders in pregnancy
- Identify and care for babies experiencing withdraw
- Describe the various scoring tools (Finnegan, Lipsitz and ESC)
- Explain how to provide non-judgmental compassionate care to the mother of the baby.

Neonatal Skin Care

Audience: Nursing

Sessions: Scheduled as requested at your facility

Type: Lecture and discussion

CE Offered: Yes

Neonatal skin is an often-overlooked organ system, but it is one of the most important in helping to prevent infections.

Course Objectives:

- Describe the differences between neonatal skin and adult skin
- Explain the different skin tools for assessment
- Identify abnormalities of neonatal skin as well as ways to prevent injuries and to assist with the healing process.

Intubation for Respiratory Therapists

Audience: RTs

Sessions: Scheduled as requested at your facility

Type: Lecture, Discussion and Simulation

CE Offered: Yes

Intubating a newborn is often difficult especially if it is a skill that is not used on a regular basis.

Course Objectives:

- Describe the differences between the neonate and adult airway structure
- Identify the appropriate size equipment needed for neonatal intubation
- Explain potential complications related to neonatal intubations.

The Greatest Challenge: Transition from Intrauterine to Post-natal Life

Audience: Nursing

Sessions: Scheduled as requested at your facility

Type: Lecture and discussion

CE Offered: Yes

Transitioning from intrauterine life to life on the outside is one of the greatest physical challenges all humans must achieve in order to survive.

Course Objectives:

- Describe the transitional process of the newly born infant.
- Explain current care practices to assist with the transition.

When Sleeping Isn't Safe: Improving Sleep Safety in Infants

Audience: Nursing

Sessions: Scheduled as requested at your facility

Type: Lecture and discussion

CE Offered: Yes

This course is designed to increase the healthcare provider's knowledge of racial, ethnic, and cultural disparities in infant mortality in relation to sleep-related deaths.

Course Objectives:

- Describe the causes of sleep related death in infants.
- Explain the AAP recommendations for role-modeling for safe sleep in newborns and infants.

Caring for Neonates and their Families using Principles of Trauma Informed Care

Audience: Nursing

Sessions: Scheduled as requested at your facility

Type: Lecture and discussion

CE Offered: Yes

Trauma informed care is a thoughtful approach to care of the family in crisis. Trauma and adverse early life experiences have been shown to have lifelong consequences.

Course Objectives:

- Explain the term trauma informed care
- Discuss 4 principles of trauma informed care
- Describe how to apply 2 of the principles to the care of the neonate in the NICU

Neonatal Blood Gas Interpretation

Audience: Nursing

Sessions: Scheduled as requested at your facility

Type: Lecture and discussion

CE Offered: Yes

Designed for the nurses to help them increase their comfort level in interpreting ABG, CBG and cord gases.

Course Objectives:

- Differentiate between acidosis and alkalosis,
- Describe how to analyze a blood gas
- Explain pulse oximetry guidelines used for newborns.

How Safe is that Milk? Understanding the Pharmacokinetics of Drugs in Breast Milk

Audience: Nursing/Lactation Consultant

Sessions: Scheduled as requested at your facility

Type: Lecture

CE Offered: Yes

Breastfeeding is considered to be the ideal nutrition for all neonates, and we encourage all women to breastfeed their baby. But with the increase in the substance abuse problem in Ohio and the nation, is it safe for the baby of the substance abusing women to breastfeed? This course will help to answer that question as a review of pharmacokinetics of drugs in the breast milk as well as a review of the some of the more common drugs abused by women and how easily they may or may not pass into the breast milk

Course Objectives:

- Describe the current drug epidemic and neonatal abstinence syndrome (NAS) problem in the United States.
- Discuss the importance of breastfeeding babies diagnosed with NAS.
- List 2 recommendations when counseling breastfeeding mothers on drugs in breast milk.
- Describe the pharmacokinetics of drugs in breast milk

Oral Feeding and the Preterm Infant

Audience: Nursing

Sessions: Scheduled as requested at your facility

Type: Lecture

CE Offered: Yes

Achieving full oral feedings is one of the last milestones a preterm infant must achieve prior to discharge.

Course Objectives:

- Describe the physiology of eating
- Identifying the clinical manifestations of poor feeding
- Describe strategies to support safe feeding and skill attainment

Neonatal Pneumothorax

Audience: Nursing

Sessions: Scheduled as requested at your facility

Type: Lecture

CE Offered: Yes

Air leak syndromes are a known risk of providing positive pressure to infants with respiratory illness.

Course Objectives:

- Identify signs of a neonatal air leak
- Describe the care of a neonate with a chest tube.
- Explain how to assist with a needle decompression or chest tube placement

Apnea, Bradycardia and Desaturations, Oh My!

Audience: Nursing

Sessions: Scheduled as requested at your facility

Type: Lecture

CE Offered: Yes

Apnea is a frequent problem in newborns, especially those who delivered preterm.

Course Objectives:

- Describe neonatal apnea
- Explain to how to assess, document and provide nursing care to an apneic neonate
- Identify discharge criteria for neonates with apnea.

Spit Happens: Reflux in the Term and Preterm Infant

Audience: Nursing

Sessions: Scheduled as requested at your facility

Type: Lecture

CE Offered: Yes

Reflux is a frequent problem in newborns, especially those who delivered preterm.

Course Objectives:

- Explain the assessment and documentation needed to diagnosis reflux
- Identify discharge criteria for an infant with reflux

Neonatal Emergency Care From All the Angles

Audience: Interprofessional Education

Sessions: Scheduled as requested at your facility

Type: Simulation

CE Offered: Yes

This course is designed to help prepare the multidisciplinary team for neonatal emergencies.

Course Objectives:

- Discuss preparation, performance, possible complications and ongoing care surrounding newborn emergencies, resuscitation and post resuscitation care.

Physician Emergency Skills

Audience: Physicians/APRNs/PAs

Sessions: 4/year

Type: Discussion, skills session and simulation

CE Offered: Yes

This ½ day workshop done at NCH covers the most common neonatal emergency skills.

- Bag/mask ventilation
- LMA placement
- Intubation
- Umbilical line placement
- Needle decompression/chest tube placement

Neonatal Skills Workshop

Audience: Nursing

Sessions: Scheduled as requested at your facility

Type: Discussion with Demonstration and Return Demonstration

CE Offered: Yes

These workshops focus on different skills required to care for the newborn, especially the high-risk, low volume skills.

Course Objectives:

- Discuss the preparation, performance, possible complications, and ongoing care of patients receiving low volume procedures and high-risk skills.

Neonatal Hypoglycemia: A Sticky Situation!

Audience: Nursing

Sessions: Scheduled as requested at your facility

Type: Lecture

CE Offered: Yes

Neonatal glucose homeostasis is a widely debated topic. This presentation describes normal glucose homeostasis in the fetus and newborn, current definition of neonatal hypoglycemia, current care practices based on evidence to promote normal glucose homeostasis and long-term outcomes of newborns with hypoglycemia.

Course Objectives:

- Describe normal glucose homeostasis,
- Explain the current definition of hypoglycemia
- Identify current evidence on the treatment hypoglycemia in the newly born infant.

Neonatal Hyperbilirubinemia: When your Baby Has that Special Glow!

Audience: Nursing

Sessions: Scheduled as requested at your facility

Type: Lecture

CE Offered: Yes

All newborns will develop some degree of hyperbilirubinemia. Being able to differentiate between normal and abnormal hyperbilirubinemia is often difficult.

Course Objectives:

- Describe the causes of the different types of hyperbilirubinemia
- Describe who is at risk for the development of the disease
- Describe how to treat and the consequences of untreated or undertreated hyperbilirubinemia.

Is it the Heart or the Lungs: Differentiating the Two Conditions in a Sick Neonate

Audience: Nursing

Sessions: Scheduled as requested at your facility

Type: Lecture

CE Offered: Yes

Differentiating between a neonate that has respiratory disease or cardiac defect is often difficult. This course will examine methods on how to differentiate between the two diseases.

Course Objectives:

- Differentiate the signs of a neonate with a cardiac condition versus a respiratory condition
- Identify the 3 most common cardiac conditions seen in the first days of life and how to care of the neonate
- Identify the 3 most common respiratory conditions seen in the first days of life and how to care for the neonate

Human Milk: An Investment in Neonatal Health

Audience: Nursing

Sessions: Scheduled as requested at your facility

Type: Lecture

CE Offered: Yes

This one and half hour course will provide knowledge to nurses on the importance of human milk to a newborn as well as how to assist with breastfeeding and problem solving the more common issues of breastfeeding.

Course Objectives:

- Describe human milk production and the importance of human milk to newborns
- Explain techniques to help a mother who has one of the most common breastfeeding problems to breastfeed her infant

Case Reviews

Audience: Interprofessional Education

Sessions: Scheduled as requested at your facility

Type: Lecture and discussion

Did you have a difficult case that you would like to review? The experts in Perinatal Outreach are available to come to your facility to do an in-depth review of the case with your physician/nursing/respiratory staff. This review will focus on a review of the pathophysiology of the disease process as well as medical, nursing and respiratory care provided.

Neonatal Resuscitation Program (NRP)

Audience: Interprofessional Education

Sessions: Scheduled as requested at your facility

Type: Lecture/Discussion, Skills and Simulation Scenario

The American Academy of Pediatrics NRP Program is designed to be done at each individual delivery facility by your own NRP Instructors. At times facilities have experienced a shortage of instructors for a variety of reasons, the NCH Perinatal Outreach Program has 2 experienced NRP instructors that can serve as a resource during this time as well as mentors to new NRP instructors at your facility.

Transport Case Reviews

Audience: Interprofessional Education

Sessions: Annually at your facility or via Webinar

Type: Lecture and discussion

CE Offered: Yes

This 1-hour session reviews transport data as well as an in-depth review of 2-3 cases that had been transported from your facility to NCH.

Unit Assessments

Audience: Hospitals

Sessions: Scheduled as requested at your facility

Type: Meeting

Are you thinking of increasing your level of care or renovating your unit? Do you feel that you may be able to do things better in the care of a neonate? An experienced neonatal nursing expert can come to your facility to assist with your needs.

Notes





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