The Neonatology Special Interest Group, Section on Pediatrics, American Physical Therapy Association: [http://www.pediatricapta.org/special-interest-groups/neonatology/index.cfm](http://www.pediatricapta.org/special-interest-groups/neonatology/index.cfm) has developed a resource guide for individuals interested in learning about physical therapy practice with neonates.

Full text copies of articles can be obtained through ArticleSearch@apta.org.

This resource list is a starting point before working with a mentor in the specialized area of neonatal physical therapy practice. The resources alone are not sufficient to prepare a therapist for practice in the Neonatal Intensive Care Unit. Additional experience and mentorships are recommended before working in the neonatal intensive care unit.

**PHYSICAL THERAPY NEONATOLOGY FELLOWSHIP PROGRAMS**

**Nationwide Children's Hospital Neonatology Fellowship**  
RF-PTCAS Participant: [Program Profile](http://www.abptrfe.org/FellowshipPrograms/ProgramsDirectory/)

700 Children's Drive  
C4973  
Columbus, OH 43205  
Contact: Kimberley Scott PT, DPT  
Phone: 614/722-6642  
Email: kimberley.scott@nationwidechildrens.org

**Rocky Mountain University of Health Professions & Seattle Children’s Hospital Neonatology Fellowship**  
122 East 1700 South  
Provo, UT 84606  
Contact: Jane Sweeney PT, PhD  
Phone: 253/265-3866  
Fax: 253/265-3867  
Email: jsweeney@rmuohp.edu

**The Children's Hospital of Philadelphia Neonatology Fellowship**  
RF-PTCAS Participant: [Program Profile](http://www.abptrfe.org/FellowshipPrograms/ProgramsDirectory/)

34th & Civic Center Blvd.  
Philadelphia, PA 19104  
Contact: Diane Versaw-Barnes PT, DPT  
Phone: 267/426-5002  
Fax: 215/590-6162  
Email: versaw@email.chop.edu
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- **Annual Gravens Conference on the Physical and Developmental Environment of the High Risk Infant**
  - The Gravens Conference is a 4 day medical education conference designed to bring the latest evidence-based information to a multidisciplinary audience of clinicians. The conference design is a day of science, a day for themed tracks, a day of abstracts and workshops, and a final 1/2 day for exploring spirituality in the NICU, and a continuation of the Family Support theme.

- **APTA/ Academy of Pediatric Physical Therapy Annual Conference**
  - APPTAC features the more than 50 educational tracks in 8 pediatric specialty areas focused on pediatric physical therapy. In addition to fabulous programming, APPTAC features an Exhibit Hall, a Practice Fair, Poster Presentations, exercise initiatives, leadership events, and social events. APPTAC is a great chance to network with colleagues across the country and around the world and may be a helpful part of PCS prep.
  - [http://apptac.org/events/annual-conference/2017/](http://apptac.org/events/annual-conference/2017/)

- **APTA/Combined Sections Meeting**
  - [www.apta.org/CSM/](http://www.apta.org/CSM/)

- **Caring Essential Collaborative**
  - Caring Essentials informs to transform the neonatal patient experience of care - bringing the latest evidence-based research to your clinical practice in the NICU!
  - [https://www.caringessentials.net](https://www.caringessentials.net)

- **Creative Therapy Consultants**
  - Online education, hands-on training, advanced level certification, workshops, lectures, and DVDs designed for all staff in the NICU or Special Care Nursery
  - [https://www.creativetherapyconsultants.com/our-company/](https://www.creativetherapyconsultants.com/our-company/)

- **Dandle Lion Medical**
  - Dandle·LION Medical webinars are recorded and can be viewed live, with an opportunity to ask questions, or as a recording. Both ways offer a FREE CEU. Go to [www.dandlelion-webinars.com](http://www.dandlelion-webinars.com) to register for a current webinar and view all previous webinars.

- **Education Resources**
  - Professional Partners with NANT for NICU Education
  - [www.educationresourcesinc.com](http://www.educationresourcesinc.com)

- **Infant Driven Feeding**
  - Infant-Driven Feeding® (IDF) provides education related to oral feeding practice for neonatal caregivers worldwide.
  - [http://www.infantdrivenfeeding.com](http://www.infantdrivenfeeding.com)

- **Infant Health Foundation**
  - The purpose of the Infant Health Foundation is to improve the care of babies and infants by developing and publishing evidence-based protocols, best practices and standards. Over time the Foundation intends to develop into a collecting point for information and education about the care of babies and infants from many sources.
  - [https://babosys.wordpress.com](https://babosys.wordpress.com)

- **March of Dimes**
  - Provides information on risk factors for a premature birth, common conditions treated in the NICU, terminology and equipment, prematurity, genetic disorders birth defects, and resources for families. Cost: Free
  - [http://www.marchofdimes.com](http://www.marchofdimes.com)
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● National Association of Neonatal Nurses (NANN)
  ○ www.nann.org
  ○ The Developmental Care Specialist designation (intended for all neonatal healthcare professionals, including, but not limited to, nurses and therapists) offers clinicians with developmental care experience an opportunity to apply and assess their knowledge through the completion of a 100-item test. The test includes both cognitive assessment questions and scenario-based cases.

● National Association of Neonatal Therapists
  ○ An organization of neonatal therapists who aim to improve neurodevelopmental outcomes for premature and sick infants.
    ○ http://neonataltherapists.com

● NANT Annual Conference
  ○ The overall objectives of the conference are: Define the current state of evidence for neonatal therapy related interventions in the NICU. Describe evidence based feeding practices and innovations for the neonatal population. List strategies to improve family centered care in the NICU. Discuss NICU interventions that support infant neuroprotection and neurodevelopment. Identify program components for optimizing therapy following NICU discharge. (Multiple speakers present, each with own learning objectives.)
  ○ NANT strives to offer attendees, presenters, exhibitors and guests an experience that encompasses all of our Core Values while delivering a quality program that is well constructed and delivered with customer service in mind. To that end, we hold the event in venues that offer our attendees a comfortable and beautiful environment for learning and the exchange of ideas. (Couldn't find cost)

● Neonatal Developmental Care
  ○ 6 Developmental Care Training DVDs (updated 2009) also in CD
  ○ These 6 trainings (CD or DVD format) are designed for the bedside health-care staff, and include evidence and research supporting developmental care practices, photo and video demonstrations. In addition, information needed to pursue continuing education credits is available to download.
    ○ www.neonataldevelopmentalcare.com

● Neonatal Therapy National Certification Board
  ○ Neonatal therapy certification identifies physical therapists, occupational therapists and speech-language pathologists who have demonstrated the time, knowledge, and commitment to serve high-risk infants in the neonatal intensive care unit.
    ○ https://www.ntncb.com

● Pediatric Continuing Education Summer Institute
  ○ RMUoHP Continuing Education Programs Continuing education courses for health professionals are offered by RMUoHP regularly. Cost for full program: $1950.00
    ○ https://rmuohp.edu/academics/continuing-education

● Quantum Caring
  ○ A blog about the neonatal intensive care unit, its patients, their families, and the clinicians who serve them.
    ○ https://quantumcaring.blogspot.com/?view=classic

● Quantum Caring Conference
Science & Soul 2018 brings together leading scientists, researchers, clinicians and educators to translate advances in our understanding of early life adversity, epigenetics and parental mental health into actionable improvements in the care of critically ill newborns, infants and families.

Science & Soul 2018 will have a positive impact on neonatal and pediatric clinical practice with the following objectives:

- To bring together international experts to catalyze and advance evidence-based practice in trauma-informed, neuroprotective care of the critically ill newborn, infant, and family across all healthcare settings.

**ESSENTIAL READINGS: CRITICAL FOR THE PHYSICAL THERAPIST PROVIDING CARE IN THE NICU**


**THEORETICAL PRINCIPLES THAT GUIDE PHYSICAL THERAPY PRACTICE IN THE NICU**

**Family-Centered Care**

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- **Patient’s Bill of Rights:**
  - For example see: [www.chop.edu/about/our-philosophy-of-care/patients-bill-of-rights.htm](http://www.chop.edu/about/our-philosophy-of-care/patients-bill-of-rights.htm)
  - [http://www.nature.com/jp/journal/vaop/ncurrent/full/jp2017108a.html?WT.feed_name=subjects_medical-research&fxtrotcallback=true](http://www.nature.com/jp/journal/vaop/ncurrent/full/jp2017108a.html?WT.feed_name=subjects_medical-research&fxtrotcallback=true)

**Synactive Theory of Development**
- A Synactive Model of Neonatal Behavioral Organization: Heidelise Als Physical & Occupational Therapy In Pediatrics Vol. 6, Iss. 3-4,1986

**Dynamic Systems Theory and Theory of Neuronal Group Selection**

**Neuroplasticity**

**International Classification of Functioning, Disability and Health (ICF)**

**Trauma Informed Care**
Developmental Care

- Developmental Care of Newborns and Infants: A Guide for Professionals. Edited by Carole Kenner, PhD RNC-NIC FAAN and Jacqueline M. McGrath, PhD RN FNAP FAAN. Published August 1, 2010. Reviewed July 2015

TYPICAL DEVELOPMENT

Central Nervous System And Musculoskeletal System


Sensory Development


Behavioral State Regulation And Behavioral Stress Cues

- http://www.pediatrics.emory.edu/divisions/neonatology/dpc/nicubeh.html
- http://specialstart.ucsf.edu/sspt/download/getting_to_know.pdf
Motor And Sensory Motor Skills

  https://evolve.elsevier.com/cs/product/9780323390187

- Pathways Awareness Foundation (http://www.pathways.org)
  Educational videos Topics include: sensory, motor and communication development of infants; typical and atypical infant development at 2 and 6 months; and videos of infants in therapy sessions.

Social Development And Infant/Parent Interaction

- www.zerotothree.org
  - Infant/parent interaction: Hope empowerment model
    - http://pediatrics.aappublications.org/content/118/5/e1414.long?sso=1&sso_redir ect_count=1&nfstatus=401&nftoken=00000000-0000-0000-0000-000000000000&nfstatusdescription=ERROR%3a+No+local+token


Early Cognitive Development And Learning Opportunities In Infancy

- www.zerotothree.org

OUTCOMES OF NEONATES AT RISK/ATYPICAL DEVELOPMENT

Infants Born Preterm (Social/Developmental)

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e20152255.PDF: http://pediatrics.aappublications.org/content/pediatrics/early/2016/04/19/peds.2015-2255.full.pdf


- Jeanie L. Cheong, MD; Lex W. Doyle, MD; Alice C. Burnett, PhD; et al Association Between Moderate and Late Preterm Birth and Neurodevelopment and Social-Emotional Development at Age 2 Years. JAMA Pediatr. 2017;171(4):e164805. doi:10.1001/jamapediatrics.2016.4805


Infants with Neonatal Abstinence Syndrome & infants with exposure to morphine for pain control


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Infants With Genetic Conditions

Infants With Cardiovascular And Pulmonary Conditions

Infants With Neonatal Brain Injury

Infants With Neuromuscular Injury

Infants born Late Preterm

Infants born Preterm
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EXAMINATION AND EVALUATION
Examination procedures for neonates:
- Determining physiologic and behavioral readiness for neonatal physical therapy examination
- Monitoring autonomic, behavioral state, and motor stability throughout an examination
- Conducting observational examination techniques
- Administering minimal contact examination techniques
- Determining when standardized assessment is safe to perform and clinically warranted
- Providing standardized assessments developed for neonates born preterm or at term gestation

  [http://www.ajnr.org/content/38/1/162](http://www.ajnr.org/content/38/1/162)
- Oana Craciunoiu and Liisa Holsti. A Systematic Review of the Predictive Validity of Neurobehavioral Assessments During the Preterm Period. Physical & Occupational Therapy In Pediatrics Vol. 37, Iss. 3, 2017

Neonatal Test and Measures

HINE (Impairment Measure)

**Purpose:** Prognostic information regarding motor outcome, identify infants who may benefit from therapy

**Age Range:** 2-24 months

**Areas Tested:** 26 items assessing cranial nerve function, posture, quality, and quantity of movements, muscle tone, and reflexes and reactions

**Training required:** Nationwide Children’s Hospital (free)

**Cost:** score sheet available [http://dx.doi.org/10.1016/j.pediatrneurol.2016.09.010](http://dx.doi.org/10.1016/j.pediatrneurol.2016.09.010)
Optimality score for the neurologic examination of the infant at 12 and 18 months of age
Implementation of the Hammersmith Infant Neurological Examination in a High-Risk Infant
Training Video [https://www.dropbox.com/s/6goyj19tie8rga/video.mp4?dl=0](https://www.dropbox.com/s/6goyj19tie8rga/video.mp4?dl=0)

**NIDCAP (Impairment Measure/Activity Measure)**

NEONATAL INDIVIDUALIZED DEVELOPMENTAL CARE AND ASSESSMENT
PROGRAM (NIDCAP) [www.nidcap.org](http://www.nidcap.org)

- Provides training and information on developmentally appropriate care for the
preterm and term infants. Information on NIDCAP certification and certification

**Purpose:** Used to determine the infant’s physiological and behavioral responses to the
environment to assist parents and caregivers.

**Age Range:** Neonates to 4-weeks post-term

- Areas Tested: Criterion-referenced assessment of physiological and behavioral
responses in the areas of autonomic, motor and attention.

**Training required:** 1-2 years.

**NBO (Participation Measure)**

The Newborn Behavioral Observations (NBO)

**Purpose:** Not an assessment tool per se but a relationship-building tool designed to help clinicians
sensitize parents to their child’s competencies and uniqueness, and support the development of
positive parent-infant and clinician-parent relationships. It consists of a structured set of 18
neurobehavioral items observed with the parents as partners. Professionals guide the observation,
discuss the baby’s abilities and behaviors with parents, encourage parent insights and questions,
and suggest specific ways to support the child’s development. (Appropriate use of the NBO tool in
clinical practice requires training through the NBO training program.)

**Age Range:** Birth to 3 months

**Areas Tested:** Training required: Two day onsite

**Fee:** Cost/person


**Workshops** [http://www.brazelton-institute.com/clnbas2.html](http://www.brazelton-institute.com/clnbas2.html)

**NNNS (Impairment Measure)(NICU Neonatal Network Scale)**

**Purpose:** Examines the neurobehavioral organization, neurological reflexes, motor development -
active and passive tone, and signs of stress and withdrawal of the at-risk and drug-exposed infant.
It was designed to provide a comprehensive assessment of both neurological integrity and
behavioral function.

**Age Range:** 34 weeks-45 weeks

**Areas Tested:**
The examination includes 3 parts:
1) Neurologic items that assess active and passive tone and primitive reflexes as well as items that
reflect CNS integrity
2) Behavioral items including state and sensory and interactive responses
3) Stress/abstinence items particularly appropriate for high-risk infants.

**Training required:** Training seminars are structured to meet the specific needs of those being
trained. Training is intensive, didactic and very hands-on. The preferred approach is to arrange
two training sessions several weeks apart to allow for a period of time between sessions during which the trainee(s) can practice administering and scoring the exam. However, with adequate preparation, most examiners can complete the training within a single 5-day training session. Some examiners with extensive infant experience and pre-visit preparation, can achieve certification in less than 5 days.


Cost: cost associated per trainee (+ travel expenses for the trainee or trainer)

- Cost is associated per trainee for NNNS kit, which includes 1 NNS manual, 2 head supports, 1 flashlight, 1 bell, 1 ball, 1 rattle. This fee includes domestic shipping only.

https://www.brown.edu/research/projects/children-at-risk/about/nnns-training-and-certification-program-0

TIMP (Activity Measure)

TEST OF INFANT MOTOR PERFORMANCE (TIMP)

Purpose: To identify infants with deficits in postural control and to document the effects of developmental therapy to improve postural control needed for functional movement in early infancy

Age Range: 34-weeks gestational age through 4-months post-term (or full term to 4-months)

Areas Tested: 13 observed behaviors and 25 elicited behaviors assessing the ability to orient and stabilize the head in space and in response to auditory and visual stimulation in supine, prone, side lying, upright, and during transitions from one position to another, distal selective control of the fingers and ankles, antigravity control of arm and leg movement.

Training required: approximately 14 hours of study plus a minimum of 10 hours practice testing infants.

Cost: includes self-instructional DVD, User’s Manual and TIMP test forms or $500 for e-Learning course with User’s Manual, TIMP test forms, and age calculator

Authors: Suzann K. Campbell, Gay L. Girolami, Thubi H.A. Kolobe, Elizabeth Osten, and Maureen Lenke

Publisher: Infant Motor Performance Scales, LLC, 1301 W. Madison St. #526, Chicago, IL 60607-1953 http://thetimp.com

GMA General Movement Assessment (Impairment Measure)

Purpose: A quick, non-invasive, non-intrusive with high reliability and high validity for the early detection of neurological anomalies.

Age Range: Birth to 20 weeks post term.

Areas Tested:

Training required: BASIC COURSE: Four-days-course is to provide an introduction Prechtl's Method on the Qualitative Assessment of General Movements in young infants. Cost: $900.00
ADVANCED COURSE: This four-days-course is for participants who are already engaged in applying Prechtl's Method on the Qualitative Assessment of General Movements. This training will deal with the details of the assessment, the proper terminology and technique as well as with the application of individual developmental trajectories. Cost $900.00


Publisher: Cambridge University Press, Journals Fulfillment Department, 100 Brook Hill Drive, West Nyack, New York, NY 10994-2133

Cost: $65.00. Includes a DVD giving 15 cases selected from the book

- [http://general-movements-trust.info/51/papers](http://general-movements-trust.info/51/papers)
- [http://general-movements-trust.info/5/home](http://general-movements-trust.info/5/home)

- General Movement Trust video
- [https://www.dropbox.com/scl/fi/42wcqbyom0tv64y/Spontaneous%20Motor%20Activity.mp4?dl=0&oref=e&rlt=0&sm=1](https://www.dropbox.com/scl/fi/42wcqbyom0tv64y/Spontaneous%20Motor%20Activity.mp4?dl=0&oref=e&rlt=0&sm=1)

Finnegan (Impairment Measure)

NEONATAL ABSTINENCE SCORING FORM

Purpose: 21 items scored on a 1-5 point scoring system to quantify severity of neonatal exposure of term infants to toxic substances.

Areas Tested: Central nervous system, gastrointestinal, metabolic, vasomotor, and respiratory disturbances.

Cost: Available online

[https://www.neoadvances.com/authors.html](https://www.neoadvances.com/authors.html)

Pain Scales of Neonates and Infants

NPASS

CRIES

NEONATAL INFANT PAIN SCALE (NIPS)

Purpose: To measure pain in preterm and full term infants

Age Range: Birth to 1-year

Areas Tested: Scored on 6 parameters: facial expression, cry, breathing patterns, arms, legs, and state of arousal.

Cost: Available online.


[https://com-jax-]
THE PREMATURE INFANT PAIN PROFILE (PIPP)
Purpose: A behavioral measure of pain for premature infants.
Age Range: < 28 weeks to >= 36 weeks gestation
Areas Tested: Behavioral observation as an indication of pain. Cost: Available on line

FACE, LEGS, ACTIVITY, CRY, AND CONSOLABILITY BEHAVIORAL PAIN SCALE (FLACC)
Purpose: To quantify pain behaviors in children who are not able to verbalize pain
Age Range: Birth to 18-years
Areas Tested: Observation of facial expression, leg movement, activity, cry and consolability.
Cost: Available online.
Authors: Sandra I. Merkel, Terri Voepel-Lewis, Jay R. Shayevitz, Shobha Malviya Publisher: Pediatric Nursing. 1997 May-Jun;23(3):293-7.

SAFE AND EFFECTIVE INTERVENTIONS
Please refer to essential reading before going further

- Prevention and Management of Procedural Pain in the Neonate: An Update
  COMMITTEE ON FETUS AND NEWBORN and SECTION ON ANESTHESIOLOGY AND PAIN MEDICINE Pediatrics Jan 2016, peds.2015-4271; DOI: 10.1542/peds.2015-4271
  http://pediatrics.aappublications.org/content/early/2016/01/22/peds.2015-4271

Global
- Age-Appropriate Care of the Premature and Critically Ill Hospitalized Infant
  http://nann.org/uploads/Education/Age-Appropriate_Care-FINAL.pdf
- Dusing et al. (2016). Initial efficacy of SPEEDI: A developmental intervention provided for 15 weeks in the NICU and community improves motor abilities in infants born very preterm or with brain injury. Developmental Medicine & Child Neurology, 58(S5), 14-15
Positioning To Support Alignment And Movement


Handling


**Massage**


  ○ [https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5406680/](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5406680/)

**Environmental Modifications**

  ○ [https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3790962/](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3790962/)


● Newborn and Infant Nursing Reviews
  Volume 16, Issue 4, Pages A1-A8, 173-348 (December 2016)
  Special Issues on NICU Design and Infant Mental Health in the Intensive Care Unit and Beyond

● Differential Effects of the Single-Family Room Neonatal Intensive Care Unit on 18- to 24-Month Bayley Scores of Preterm Infants.

**Developmental Care**

● NANN Developmental Care Modules
  This purchase gives you access to all 27 modules, with 38.0 CNE contact hours. Included in this set is a PDF overview for each module as well as a post-test and evaluation the learner will complete to receive the designated contact hours. The modules are an aid and do not include an in-depth description of the subject matter. Instead, they are study guides that augment and build on what learners are reading and studying or upon their professional experiences in developmental care as a means to promote understanding and retention.

**Splinting**
Protocol Development for Infants with Orthopedic Complications in the Neonatal Intensive Care Unit: Brachial Plexus Injuries and Clubfoot
Kari J. Tanta PhD OTR/L FAOTA, Kari Gunsolus, Nicole Harley MOT OTR/L, Kara Grosvenor OTR/L, Janalynn Garcia OTR/L & Tracy Jirikowic PhD OTR/L
Journal of Occupational Therapy, Schools, & Early Intervention Vol. 5 , Iss. 3-4,20

Wound Care

Determining The Need For And Completing Oral Motor Or Feeding Readiness Assessments And Providing Oral Motor Intervention In Preparation For Oral Feeding

Feeding Books


Purpose: This book provides a comprehensive, interdisciplinary approach to feeding and swallowing management of infants. Topics include anatomy, embryology, physiology, pediatric and neurodevelopmental evaluation, nutrition, feeding assessment, tone and positioning.

Feeding and Swallowing Disorders in Infancy: Assessment and Management
Authors: Robin Glass and Lynn Wolf
Publisher: Therapy Skill Builders a Division of Psychological Corporation, 555 Academic Court, San Antonio, Texas 78204-2498.

Purpose: This text provides a comprehensive description of infant feeding, evaluation and intervention from a medical perspective. This book provides detailed descriptions of individual infant case presentations and treatment strategies to address feeding impairments. Evidenced based references are provided at the end of each chapter. Topics include specific diagnostic categories, comprehensive approach to feeding evaluations, diagnostic tests and procedures, and treatment strategies for feeding dysfunction.

Feeding /Assessments
NEONATAL ORAL-MOTOR ASSESSMENT SCALE (NOMAS)
Author: Murray A. Braun and Marjorie M. Palmer

Purpose: To screen for oral motor dysfunction in the neonate, distinguish infants with normal sucking from those with disorganization, identify infants with poor feeding abilities, and distinguish inefficient from efficient feeders.

Age Range: Neonate to 3-months of age

Areas Tested: 26-items divided into 2 categories: jaw movements and tongue movements: rate, rhythmicity, consistency of degree of jaw excursion, direction, range of motion, timing of tongue movement, Tongue configuration

Cost: $875.00 for three day comprehensive training for certification. Contact NOMAS International, 1528 Merrill Road, San Juan Bautista, Ca. 95045 for course dates.

http://www.nomasinternational.org/index.php

NOMAS on line training:
The 11 talks in this online course focus on feeding difficulties in term and preterm infants, evaluation and treatment of sensory and motor-based feeding problems after discharge from NICU or special care nursery, videofluoroscopic studies of infants and children showing examples, procedure and diagnosis, and weaning from tube to oral feeding using a sensory-based protocol.

Each talk runs about one hour.
Certification not available.

Cost: Order all 11 talks in Series One for $375
Introductory, intermediate and advanced material ($850 if taken individually)
Series 2: The 12 talks in this online course focus on the etiology, diagnosis, and treatment of feeding difficulties in the term and preterm infant. Evaluation and treatment strategies for the “difficult to feed” infant both in the NICU or special care nursery are discussed as well as those feeding issues that persist after discharge.

Series 3:
The full course is made up of all 12 talks. Each talk runs about 1 hour.
Cost: Order all 12 talks in Series Two for $375
Introductory, intermediate and advanced material
http://www.nomasinternational.org/about_training.php

● EARLY FEEDING SKILLS ASSESSMENT (EFS)
Author: Catherine Shaker, Suzanne Thoyre, and Karen Pridham
Publisher: Neonatal Network. 2005 May-Jun; 24 (3): 7-16.
Purpose: a checklist for assessing infant readiness for and tolerance of feeding and for profiling the infant’s developmental stage regarding specific feeding skills: the abilities to remain engaged in feeding, organize oral-motor functioning, coordinate swallowing with breathing, and maintain physiologic stability.
Age Range: Infants
2 day training workshop on how to use the tool. Contact Catherine Shaker: pediatricseminars@gmail.com; http://shaker4swallowingandfeeding.com

PRODUCTS DEVELOPED FOR NICU

  ○ Positioning Products including gel positioning aids, snuggle up, Frederick T Frog, Prone plus, Bendy bumper
● www.dandlelionmedical.com
  ○ Positioning products including dandleRoo, DandleRoo Lite, Dandle Wrap, Dandle Pal
● www.resq wedge.com
  ○ Wedge positioner and sling for reflux.
● www.sundancesolutions.com/neonatal/
  ○ Positioning products including fluidized products
● http://www.nurturedbydesign.com/en/thezaky/
  ○ Positioning tool that can use mother’s scent and be used for boundaries and containment
● http://tortlemedical.com
  ○ The positioning system includes the tortle air and tortle midliner for head positioning.
● http://www.halosleep.com/in-hospital-sleepsack-program/
  ○ supplier of sleep sacks and hospital sleep sack program
● https://www.catapult-products.com/
  ○ Swaddle bathing product TurtleTub
COMMUNICATION AND COLLABORATION

Developing And Implementing Parent/ Caregiver Education Programs For Adult Learners With Diverse Backgrounds/ Providing Family Education In A Culturally Sensitive Manner

- Skeens et al. (2016). Health literacy and preferences for sources of child health information of mothers with infants in the neonatal intensive care unit. Advances in Neonatal Care, 16(4), 308-314.
- National Association of Neonatal Nursing
  NANN offers several resources for neonatal families. As part of the Advances in Neonatal Care: Family Teaching Toolbox. http://nann.org/education/educational-products/family-patient-education-products

Consulting With Other Professionals — Collaborating As Part Of An Interdisciplinary Developmental Team/Communicating With Physicians, Occupational Therapists, Speech Language Pathologists, Respiratory Therapists, Child Life, Social Workers, And Other Professionals

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Planning For Discharge, Including Community Resources, Car Seats, And Other Equipment Or Therapy Needs

- Safe Transportation of Preterm and Low Birth Weight Infants at Hospital Discharge Marilyn J. Bull, William A. Engle Pediatrics May 2009, 123 (5) 1424-1429; DOI: 10.1542/peds.2009-0559 http://pediatrics.aappublications.org/content/123/5/1424

- Early Therapy Services Following Neonatal Intensive Care Unit Discharge Odochi Nwabara, Cynthia Rogers, Terrie Inder & Roberta Pineda Physical & Occupational Therapy In Pediatrics Vol. 37 , Iss. 4,2017 Send your article selections to Article Search@apta.org to receive full text copies of the articles.


- Regional Referrals for Early Intervention Services IDEA legislation
  - Early intervention services to eligible children and families are federally mandated through the Individuals with Disabilities Education Act. The Part C program mandates a statewide, comprehensive, multidisciplinary service system to address the needs of infants and toddlers who are experiencing developmental delays or a diagnosed physical or mental condition with a high probability of an associated developmental disability in one or more of the following areas: cognitive development, physical development, language and speech development, psychosocial development, and self-help skills. Commonly cited factors that may put an infant or toddler at risk of developmental delay include prenatal exposure to toxins through maternal substance abuse, respiratory distress as a newborn, low birth weight, brain hemorrhage, and infection.
  - National Dissemination Center for Children with Disabilities State Resources at http://www.nichy.org/state-organizations-search-by-state Pick a state and this site will take you to your local EI provider