27TH ANNUAL NEW YORK REGIONAL NEONATOLOGY & PERINATAL SYMPOSIUM

Issues In Neonatology

March 12, 2020

THE GARDEN CITY HOTEL
Garden City, New York

Jointly Provided by
NYU Winthrop Hospital
and NYS Chapter 2 of the
American Academy of Pediatrics
OVERVIEW
The Issues in Neonatology 27th Annual New York Regional Neonatal & Perinatal Symposium has long been recognized as the most well regarded and well attended regional conference in this field in the entire New York metropolitan area. As in prior years, the 2020 course will offer a nationally recognized panel of expert faculty in the specialty of neonatology. The goal of the 27th Annual New York Regional Neonatal/Perinatal Symposium is to provide cutting-edge information about neonatal care by teaching physicians, nurses, nurse practitioners, residents and fellows, the pathogenesis of a variety of disease states that affect newborns, and how the development of new therapeutic approaches (pharmacologic and technologic) can influence care outcomes.

The 2019 exit survey responders used verbatim responses to describe current learning needs to improve:

a) Biologic/Genetic bases for differences in feeding response/abstinence, including GERD, and saliva-based assays
b) Use of exome and whole genome screening, especially for dysmorphic patients
c) Use of infrared spectroscopy and body cooling
d) Improving team-based awareness of infant pain, skin, birthmark and rash assessments
e) Infant cardiac/hypoxic evaluation and management
f) Breast feeding education for families, and use of probiotics
g) Dealing with difficult parents in the NICU

There are recent advances in the care of Very Low Birth Weight (VLBW) infants. A recent needs assessment identified the following areas in knowledge, competence and performance that we plan to address in the course curriculum including: Reviewing the epidemiology of non-
acute and prolonged pain in newborns and practices used for its management, examining how pain terms were commonly used in clinical settings and in the published literature, understanding the basic principles of near infrared spectroscopy monitoring technique, learning about the current established uses of near infrared spectroscopy in infants specially related to diagnosis of NEC, elucidating biological mechanisms and developmental pathways involved in neonatal oral feeding, discussing the applicability of integrating advanced transcriptomic platforms into newborn care, utilizing data to generate personalize, targeted, approaches to improving neonatal oral feeding outcomes, showing how NIH-funded studies have impacted our neonatal care, demonstrating the benefits of antenatal steroid therapy in improving survival, even in preterm infants under 28 weeks of gestation, reviewing studies that led to improved perinatal care, understanding how to optimize use of genomic data to drive clinical decision making, updating of recent development of genomics evidence base, reviewing personalization and population impact of genome sequencing, engineering Two-day Diagnosis with rapid Whole Genome Sequencing, and understanding the relationship of intestinal microbes to innate immune system and inflammatory pathways in the GI tract.

COMPETENCIES
This symposium will address the following ACGME/ABMS competencies: Medical knowledge, Patient care, Practice-based learning and improvement, and Systems-based practice.

TARGET AUDIENCE
Neonatologists, fellows, nurses, neonatal nurse practitioners and respiratory therapists involved in the care of neonates.
ACCREDITATION

ACCME Accreditation
This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of NYU Winthrop Hospital and American Academy of Pediatrics, NY Chapter 2. NYU Winthrop Hospital is accredited by the ACCME to provide continuing medical education for physicians.

AMA Credit Designation
NYU Winthrop Hospital designates this live activity for a maximum of **5.25 AMA PRA Category 1 Credit(s)™**. Physicians should only claim credit commensurate with the extent of their participation in the activity.

Nursing Accreditation
NYU Winthrop Hospital is an Approved Provider of continuing nursing education by the Northeast Multistate Division, an accredited approver by the American Nurses Credentialing Center’s Commission on Accreditation. Provider Number: #NY009-2020 – 10/9/20. **5.25 contact hours** will be awarded.

MOC STATEMENT
Successful completion of this CME activity, which includes participation in the evaluation component, enables the participant to earn up to **5.25 MOC points** in the American Board of Pediatrics’ (ABP) Maintenance of Certification (MOC) program. Participants will earn MOC points equivalent to the amount of CME credits claimed for the activity. It is the CME activity provider’s responsibility to submit participation completion information to ACCME for the purpose of granting ABP MOC credit.

AARC CE Credits
An application has been submitted to the American Association for Respiratory Care (AARC) for continuing education contact hours for respiratory therapists, pending approval.

FACULTY DISCLOSURE
It is the policy of NYU Winthrop Hospital to adhere to ACCME, NEMSD and ANCC accreditation requirements, policies and Standards for Commercial Support in order to ensure content validity, fair balance, independence, objectivity and scientific rigor in all its sponsored programs. All faculty, planners and authors of educational content, who participate in sponsored programs, must disclose to the audience any potential, apparent or real conflicts of interest related to their contribution to the activity, as well as any discussions of off-label or investigational uses of any commercial products or devices not yet approved in the United States. All faculty disclosures will be made at the time of the activity.
Agenda

7:30am  Registration – Breakfast

8:20  Opening Remarks
Nazeeh Hanna, MD

8:30  Non-invasive High-frequency Ventilation in Neonates
Michael S. Dunn, MD, FRCPC
Learning Objectives:
- Discuss the rationale for using non-invasive HFV in neonates
- List possible indications and suggested settings for the use of nHFOV
- Discuss the evidence to support the use of nHFOV in neonates and current knowledge gaps

9:20  The Challenge of Immature Respiratory Control Superimposed on a Preterm Lung
Richard Martin, MD
Learning Objectives:
- Recognize the challenge of longer term respiratory morbidity in former preterm infants
- Recognize the synergistic effects of immature respiratory control and lung immaturity
- Explore underlying mechanisms in order to enhance outcomes

10:10  Coffee Break

10:30  Eating Challenges in the NICU infant: Evidence-based Diagnosis and Management
Sudarshan R. Jachlerla, MD
Learning Objectives:
- Define eating challenges in the context of the NICU infant and describe their significance
- Describe clinical and instrumental assessment (current approaches)
- Explain the pathophysiology-based holistic approach to infant feeding management
- Discuss challenges to implement feeding strategies

11:20  Probiotics in the NICU: What, Why, and Whether
Barry Weinberger, MD
Learning Objectives:
- Understand the evolution of normal site-specific microbiota in preterm infants
- Identify causes and implications of alteration of the microbiome
- Know the current evidence and best practice regarding the use of probiotic products in NICU

12:15pm  Lunch Break

1:15  Award Presentation for Innovation in Neonatal Research

1:30  Embracing the Platinum Rule: A Transformative Approach to Improving Parents’ NICU Experience
Cheri Clancy, MSN, MS, RN, NEA-BC, CPXP
Learning Objectives:
- Define and discuss the benefits of integrating a family integrated care model to improve NICU satisfaction scores
- Understand the perception of ‘intent vs impact’ as it relates to the Platinum Rule
- Examine communication best practices as it relates to the NICU environment

2:20  Clinical Therapeutic Approach on Congenital Heart Disease
Ganga Krishnamurthy, MD
Learning Objectives:
- To recognize and manage neonatal cardiac emergencies in the delivery room
- To learn an algorithmic approach to diagnosing CHD
- To learn how to manage a baby with CHD in the NICU

3:15  Closing Remarks

3:30  Adjourn
Faculty

**ACTIVITY DIRECTOR**

_Nazeeh Hanna, MD*

Chief of Neonatology  
NYU Winthrop Hospital  
Professor of Pediatrics  
NYU Long Island School of Medicine  
NYU Langone Health  
Immediate Past-President  
American Society for Reproductive Immunology

**GUEST SPEAKERS**

_Chéri Clancy, MSN, MS, RN, NEA-BC, CPXP_

Patient Experience Leader, Author, Entrepreneur  
CEO of Chéri Clancy & Associates, LLC  
Sicklerville, NJ

_Michael S. Dunn, MD, FRCPC_

Department of Newborn and Developmental Pediatrics  
Aubrey and Marla Dan Program for High Risk Mothers and Babies  
Sunnybrook Health Sciences Centre  
Toronto, ON

_Sudarshan R. Jadcherla, MD_

Professor of Pediatrics  
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_Ganga Krishnamurthy, MD_

Associate Professor of Pediatrics  
Columbia University Medical Center Medical Director  
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New York, NY

_Richard Martin, MD_

Professor of Pediatrics, Reproductive Biology and Physiology  
Case Western Reserve School of Medicine  
Director of Neonatal Research Programs  
University Hospitals Cleveland Medical Center  
Cleveland, OH

_Barry Weinberger, MD_

Associate Director, Neonatal Service Line  
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Nurse Manager, NICU  
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Mineola, NY
NYU WINTHROP HOSPITAL AWARD FOR INNOVATION IN NEONATAL RESEARCH

THIS COMPETITION IS DESIGNED TO RECOGNIZE EMERGING RESEARCH IN THE FIELD OF NEONATOLOGY. THREE CATEGORIES, ONE WINNER IN EACH CATEGORY. FIRST PRIZE WINNER FOR BEST ABSTRACT IN EACH CATEGORY WILL RECEIVE $1,500.

COMPETITION CATEGORIES

- Clinical
- Basic Science
- Quality Improvement

Any NICU staff member at any institution attending the conference (including residents and fellows) is eligible to submit an abstract.

First author must register before submitting an abstract.

Abstracts should be structured and consist of no more than 500 words (including title) and organized into four paragraphs labeled: Background, Methods, Results and Conclusions/Impact.

Please specify in your email submission which Category you are entering.

Please submit as Microsoft Word file using Arial font in 12 pt. Begin your abstract with title, authors’ name and institutions.

Winners are requested to present their research as a Poster during the conference (March 12, 2020). Please submit abstract by email to Dr. Nazeeh Hanna at Nazeeh.Hanna@nyulangone.org.

The first author will be awarded the prize to support their research.


Winners will be notified by Friday, February 21, 2020 and provided with poster instructions. Poster production is the author’s responsibility.
Register Today

We accept online registration for all NYU Winthrop CME-CE courses.
SPACE IS LIMITED. REGISTER EARLY.

REGISTRATION FEES (Valid through 5:00 PM on Tuesday March 10, 2020)
Registration fee includes educational materials, meals and CME-CE credit certificate.
$160 Physicians*
$140 Non-Physicians* (NPs, PAs, Nurses and Others)
$35 External Residents and Fellows (with valid ID)
FREE NYU Residents and Fellows (with valid ID)
*Get $10 off with the discount code NEOPRINT. (Discount not valid for House Staff of any institution)

LATE REGISTRATION FEES (Valid After 5:00 PM on Tuesday March 10, 2020)
Registration fee includes educational materials, meals and CME-CE credit certificate.
$185 Physicians
$165 Non-Physicians (NPs, PAs, Nurses and Others)
$60 External Residents and Fellows (with valid ID)
$25 NYU Residents and Fellows (with valid ID)

CONFIRMATION
All registrants will receive a confirmation via email.

CANCELLATION
Cancellation by NYU Winthrop Hospital: It is the policy of NYU Winthrop Hospital that in the unlikely event we must cancel a scheduled activity, all registered learners are immediately notified via email, with full refund offered where applicable. Wherever possible, our registration page of the website will be updated to reflect the activity cancellation. If we cancel less than 48 hours in advance of scheduled start time, we will also telephone all registered learners regarding the cancellation and refund.

Cancellation by Learner: Requests for refund or transfer of registration must be received by email 72 hours prior to the course to Keyana.Golds@nyulangone.org No refund or transfer of registration will be made thereafter. It is the policy of NYU Winthrop Hospital that if you the learner must cancel or withdraw before an activity for which you have previously registered, a handling fee of $25 will be deducted for cancellation.

COMPLAINT RESOLUTION POLICY
It is the policy of NYU Winthrop Hospital that complaints received about continuing education or related matters are investigated and resolved within 72 hours (if received during business hours) or within 7 days (if received outside of business hours).

LOCATION
The Garden City Hotel
45 Seventh St.
Garden City, NY 11530
www.gchotel.com

ACCOMMODATIONS
We do not have a discounted room block for this meeting. If you require a hotel, we suggest that you contact the Garden City Hotel by calling 1-800-547-0400.

SPECIAL NEEDS
The Garden City Hotel is accessible to individuals with disabilities or special needs. Participants with special needs should contact the Office of CME at 516-663-8459.

If you experience technical problems with the online system, wish to register a group, or require other special arrangements; please contact Keyana Golds at 516-663-9685 or via email at Keyana.Golds@nyulangone.org for assistance.
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