

NEONATOLOGY TODAY

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PREVIEW ISSUE

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Special Preview of NEO 09 - The Conference for Neonatology - February 26 - March 1, 2009

By Alan R. Spitzer, MD

Dear Colleagues,

As the Meeting Director for *NEO*, it is my great pleasure to invite you to this outstanding conference. Although this meeting is only the third annual meeting known as the *NEO Conference*, this year's meeting is actually the 30th annual meeting of the conference previously titled, *The Management of the Tiny Baby Conference*. That meeting, started by Dr. Gregor Alexander, Chairman of Pediatrics at Winnie Palmer Hospital for Women and Babies, and Dr. Willa Drummond, Professor of Pediatrics at the University of Florida, had long been one of the finest teaching conferences in all of neonatal medicine. We are pleased to continue and build upon the great tradition established by that meeting.

This year's event has been designed to focus on some of the most rapidly evolving areas in the specialty of Neonatology. It is our hope that attendees will bring back to their respective NICUs the most up-to-the-minute information to aid you in the care of your patients. In addition, with the addition of a new Pre-Conference Day devoted to Continuous Quality Improvement on Wednesday, we hope to provide you with the tools to initiate and manage quality improvement projects in the NICU. Since the American Board of Pediatrics has established that meaningful CQI participation is now an essential component of Maintenance of Certification (MOC), this unique day-

long experience will greatly assist the clinician who is preparing for MOC, but our goal for the curriculum is to assist anyone interested in NICU CQI.

The main conference sessions begin on Thursday with a focus on the first three days in the NICU, one of the most critical times in nursery care. Targeting of oxygen management, the appropriate use of surfactant, newer modalities of ventilatory management, treatment of hypotension and therapy for the PDA will be presented by some of the greatest experts in their respective fields, including Augusto Sola, Reese Clark, Eduardo Bancalari, Istvan Seri, and Matt Laughon. In the afternoon on Thursday, a seminar on informatics in neonatal medicine and neonatal nursing will provide detailed assessments on the changing world of technology in the NICU and how to harness the great value of this addition to modern NICU management. There will be a wine and cheese reception that evening for everyone, with exhibits open for viewing. Please be there!

Friday will be a special day, with an examination of hematological issues in the NICU. Ron Strauss, Bob Christensen, Martha Sola-Visner, Matt Saxonhouse, and Mervyn Yoder will discuss the challenges presented by a variety of hematological problems, including transfusion therapy, neutropenia, thrombocytopenia, coagulation problems, and stem cell transplantation. The afternoon session will have a series of exciting breakout seminars in neonatology

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The final manuscript may be between 400-3,500 words, contain pictures, graphs, charts and tables.



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and neonatal-perinatal nursing. Of special note, on Friday is the *Legends of Neonatology* dinner, beginning at 7:00 p.m. This year we will be honoring two surgeons whose contributions to neonatal care are truly legendary and life-saving. Their efforts, without question, changed the course of neonatal care. Robert Bartlett, the inventor of neonatal ECMO, and William Norwood, creator of the life-saving Norwood procedure for Hypoplastic Left Heart Syndrome (HLHS) will be inducted as this year's honorees. Please be sure to attend this special ceremony and dinner, which is included in the course tuition. Some amazing historical aspects of neonatal medicine and surgery will also be presented that you will find fascinating. Other surprises will take place as well. Don't miss a moment of this outstanding evening!

On Saturday, the meeting turns its attention to the nutritional care of the neonate and the complex surgical patient. Breast milk use in the NICU patient, probiotics and prebiotics, the neonate with Short Bowel Syndrome, parenteral nutrition management, and post-discharge nutritional care will be discussed by a series of world class speakers, such as: Sandra Sullivan, Philip Sherman, Marshall Schwartz, Patti Thureen, and David Adamkin. This day promises to be a highlight of the meeting, with a number of outstanding experts in neonatal nutrition presenting their thoughts and research work on one of the most complex of all neonatal management issues.

The meeting will close on Sunday with a series of talks on, perhaps, the most important of all areas of NICU concern, namely the brain and brain injury. Laura Ment, Mark Scher, John Barks, Namasivayam Ambalavanan, and Michael Weiss will cover a gamut of critical NICU issues in this area. Topics such as new approaches to NICU imaging, seizure management, CFM monitoring, brain cooling, and newer therapies for brain injury will be covered. It will make for a great conclusion to this exciting event.

NEO 2009 promises to be one of the finest neonatal meetings ever, and we hope that you will be able to join us. There will also be a number of last minute special talks throughout the sessions, which you should look for and plan to attend.

See you in Orlando!

NT

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~on behalf of the NEO Planning Committee~



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WEDNESDAY - FEBRUARY 25, 2009

**PRE-CONFERENCE
CQI (CLINICAL QUALITY IMPROVEMENT) DAY**

7:00–8:30 am - Registration

7:00–7:45 am - Continental Breakfast

**7:45–8:30 am - The Case for Quality Improvement -
Dan Ellsbury, MD**

8:30–9:30 am - CQI Workshop I: Getting Started - *Pediatrix CQI Team**

- Creating a CQI Team
- Selecting a Project
- Realistic Goal Setting

9:30–10:00 am - Break

**10:00–12:00 pm - CQI Workshop II: Measurement and
Analysis - *Pediatrix CQI Team****

- Developing Outcome, Process and Balancing Measures
- Using CQI Databases-Using Run Charts and Statistical Process Control Charts

12:00–1:00 pm - Lunch

1:00–3:00 pm - CQI Workshop III: Change - *Pediatrix CQI Team**

- Change Concepts
- Designing Change Packages
- PDSA Cycles: Testing Changes

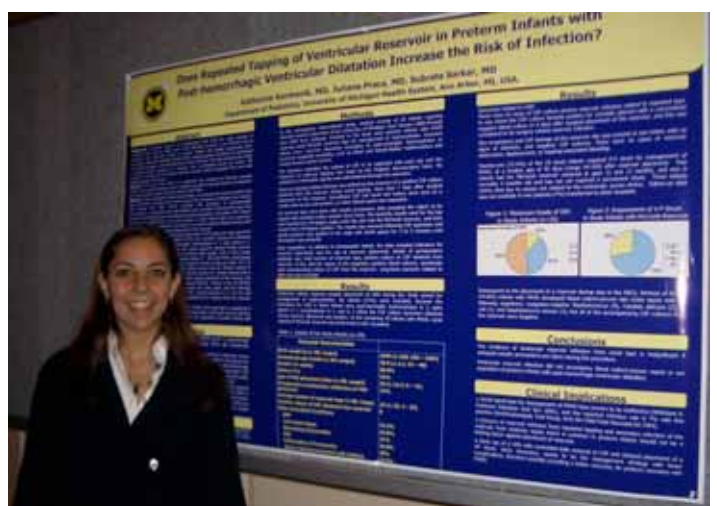
3:00–3:30 pm - Break

3:30–5:30 pm - CQI Workshop IV: CQI Projects - *Pediatrix CQI Team**

- Reducing Retinopathy of Prematurity
- Reducing Hospital Acquired Infections
- Improving NICU Medication Use
- Avoiding Delivery Room Hypothermia

**5:30–7:30 pm - CQI Reception for Pre-Conference
Attendees / Exhibits Open**

** **Pediatrix CQI Team:** Dan Ellsbury, MD; Alan Spitzer, MD; Robert Ursprung, MD*



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THURSDAY - FEBRUARY 26, 2009

MORNING SESSION
THE FIRST THREE DAYS OF LIVE IN THE NICU

7:00–4:30 pm - Registration

7:00–8:15 am - Continental Breakfast and Exhibits

7:00 am–10:00 pm - Cyber Cafe

8:15–8:30 am - Welcome and Announcements

8:30–9:15 am - Oxygen Targeting and ROP Prevention
- Augusto Sola, MD

9:15–10:00 am - Surfactant Administration - *Reese Clark, MD*

10:00–10:30 am - Break and Exhibits

10:30–11:15 am - Mechanical Ventilation: New Modes of Treatment - *Eduardo Bancalari, MD*

11:15 am–12:00 pm - Blood Pressure Control and Treatment of the Sick Neonate - *Istvan Seri, MD, PhD*

12:00–12:45 pm - Indomethacin Re-visited - *Matthew Laughon, MD*

12:45–1:00 pm - Panel Q & A

1:00–2:15 pm - Lunch and Exhibits

AFTERNOON SESSION
INFORMATICS IN THE NICU
What You Need to Know Might Scare You

2:15–3:00 pm - NICU Informatics: The Hospital Perspective
- Joseph Schneider, MD

3:00–3:45 pm - NICU Informatics: The Neonatologist's Perspective - *Christoph Lehman, MD*

3:45–4:15 pm - Break

4:15–5:00 pm - NICU Informatics: The Clinician's Perspective - *Tracy Karp, MS, NNP-BC*

5:00–6:30 pm - NEO Welcome Reception / Exhibits Open

FRIDAY - FEBRUARY 27, 2009

**MORNING SESSION
HEMATOLOGICAL CONCERNS IN THE NICU**

7:00 am–5:00 pm - Registration

7:00 am–10:00 pm - Cyber Cafe

7:00–8:15 am - Continental Breakfast and Exhibits

8:15–8:30 am - Welcome and Announcements

8:30–9:15 am - “To Give or Not to Give:” Transfusion Therapy in Sick Neonates - Ronald Strauss, MD

9:15–10:00 am - Diagnosis and Management of Neutropenia in Neonates - Robert Christensen, MD

10:00–10:30 am - Break and Exhibits

10:30 –11:15 am - Thrombocytopenia in NICU: More Common Than You Think - Martha Sola-Visner, MD

11:15 am–12:00 pm - Hypercoagulation States: When Too Much Clotting is a Problem - Matthew Saxonhouse, MD

12:00–12:45 pm - The Future of Perinatal Stem Cell Transplantation in the Perinatal Period - Mervyn Yoder, MD

12:45–1:00 pm - Panel Q & A

1:00–2:15 pm - Lunch & Exhibits



FRIDAY - FEBRUARY 27, 2009

**AFTERNOON SESSION
SEMINARS IN NEONATOLOGY AND
NEONATAL-PERINATAL CARE**

**2:15–3:00 pm - Translating Evidence Into Best Practices -
Paula Meier, RN, DNSc**

**3:00–3:45 pm - The Child With Congenital Heart Disease -
Willa Drummond, MD**

3:45–4:15 pm - Break

**4:15–5:00 pm - Caring for the Neonatal Skin - Carolyn Lund,
RN, MSN**

5:00 pm - Adjourn

**7:00–9:30 pm - Legends of Neonatology Gala and Award
Ceremony**

- **2009 Honorees:** Robert Bartlett, MD; and William Norwood, MD
- **Past Honorees:** Avroy Fanaroff, MD; Marshall Klaus, MD; and Jerold Lucey, MD; The late Virginia Apgar, MD; Mary Ellen Avery Maria Delivoria-Papadopoulos; Lucille Ann Papile, MD; Mildred Stahlman, MD



“This year we will be honoring two surgeons whose contributions to neonatal care are truly legendary and life-saving. Their efforts, without question, changed the course of neonatal care. Robert Bartlett, the inventor of neonatal ECMO, and William Norwood, creator of the life-saving Norwood Procedure for Hypoplastic Left Heart Syndrome (HLHS) will be inducted as this year’s honorees.”

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CQI Day
february 25th



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SATURDAY - FEBRUARY 28, 2009

**NUTRITIONAL CARE OF THE
COMPLEX/SURGICAL PATIENT**

7:00–3:00 pm - Registration

7:00 am–10:00 pm - Cyber Cafe

7:00–8:15 am - Continental Breakfast and Exhibits

8:15–8:30 am - Welcome and Announcements

8:30–9:15 am - Breast Milk Feeding of the Complex NICU Patient - Sandra Sullivan, MD

9:15–10:00 am - Prebiotics and Probiotics in the NICU - Philip Sherman, MD

10:00 am–10:30 am - Break and Exhibits

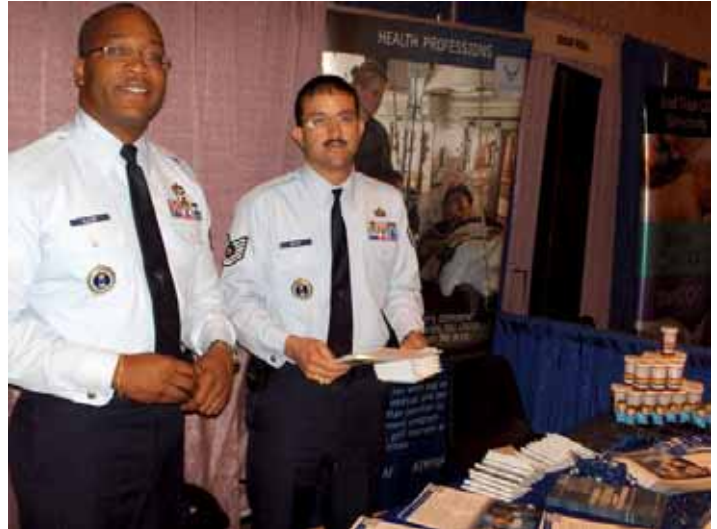
10:30–11:15 am - Challenges of the Child With Short Bowel Syndrome: Surgical and Nutritional Care - Marshall Schwartz, MD

11:15 am–12:00 pm - Parenteral Nutrition in the Complex Medical and Surgical Patient - Patti Thureen, MD

12:00–12:45 pm - Post-Discharge Nutritional Considerations in the NICU Patient - David Adamkin, MD

12:45–1:00 pm - Panel Q & A

1:00 pm - Adjourn / Free Afternoon



Disclosure

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All faculty are also expected to disclose any off-label or investigational use of drug(s) or device(s) that are mentioned in the educational presentation or discussion of said presentation.

SUNDAY - MARCH 1, 2009

THE NEONATAL BRAIN

7:00 am–12:30 pm - Registration

7:00–8:00 am - Continental Breakfast

7:00 am–12:30 pm - Cyber Cafe

8:00–8:45 am - Neuroimaging in Neonatology: Sometimes Newer is Better - Laura Ment, MD

8:45–9:30 am - Seizure Recognition and Control - Mark Scher, MD

9:30–10:00 am - Break

10:00–10:45 am - Adjunctive Bedside Monitoring of the Neonatal Brain: The Role of Cerebral Function Monitoring - John Barks, MD

10:45–11:30 am - Neonatal Cooling: Picking the Right Patient - Namasivayam Ambalavanan, MD

11:30 am–12:15 pm - Beyond Cooling: Therapies and Potential Therapies for HIE - Michael Weiss, MD

12:15–12:30 pm - Panel Q & A and Final Comments

12:30 pm - Adjourn



NEO 2009 Themes:

- *Neonatal Clinical Quality Improvement Pre-Conference*
- *The First Three Days of Life in the NICU*
- *Informatics in the NICU*
- *Hematological Concerns in the NICU*
- *Seminars in Neonatology and Neonatal-Perinatal Care*
- *Nutritional Care of the Complex / Surgical Patient*
- *The Neonatal Brain*



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1. Hoffman GM, et al. *Semin Thorac Cardiovasc Surg Pediatr Card Surg Annu.* 2005; pp 12-21. 2. Hoffman GM, et al. *Anesthesiology* 2005; 103:A1327. 3. Dent CL, et al. *J Thorac Cardiovasc Surg* 2005; 130: 1523-30. 4. Kaufman et al. *J Ped Crit Care Med* 2008; 9:62-8. 5. Diaz GA, et al. *Eur J Paediatr Neurol* 2006; 10:19-21 © Somanetics Corporation. Somanetics, INVOS and "Reflecting the color of life" are registered trademarks of Somanetics Corporation. US federal regulations restrict the sale of this device to, or on the order of, licensed medical practitioners.