Dear Colleague,

On behalf of the Emory Regional Perinatal Center and the Emory Division of Neonatal-Perinatal Medicine welcome to Atlanta for our 20th annual conference: Neoatology 2012. The course features faculty with national and international reputations who will update your knowledge and skills in caring for high-risk newborns by presenting the most recent advances in evidence-based medicine. The program will focus on several areas impacting patient care: respiratory problems and management, nutritional support for the very low birthweight infant, gastrointestinal problems and NEC, pharmacologic management of hypotension, effects of maternal substance abuse on the neonate, and updates on some old but common problems – hypoglycemia and hyperbilirubinemia.

Thank you for participating in this conference; we hope you will find it to be a positive and enjoyable learning experience. We also invite your suggestions for future conferences and for areas of improvement.

Sincerely,
David Carlton, MD, FAAP
Ann D. Critz, MD, FAAP
Niki Kosmetatos, MD, FAAP
Conference Directors

Objectives

1. Discuss the different non-invasive and invasive options for respiratory support of the sick neonate and how lung physiology influences management.
2. Review the pharmacologic treatment of hypotension in the neonate.
3. Discuss options to optimize nutritional support for the premature infant.
4. Review strategies to prevent and manage necrotizing enterocolitis and the complications of short gut and cholestasis post-necrotizing enterocolitis.
5. Distinguish between perceived and actual effects of maternal substance abuse on the neonate.
6. Describe current thoughts on the management of hyperbilirubinemia in the NICU.
7. Review the problems in glucose homeostasis in the neonate and the management of neonatal hypoglycemia.
9. Examine the new recommendations for vitamin and mineral supplementation in the neonate.
10. Identify surgical causes of gastrointestinal problems in the NICU.
11. Examine examples of unusual neonatal cases.

Scientific and Organizing Committee

Betty Boecler, MN, APRN, NNP-BC
David Carlton, MD, FAAP
Ann Critz, MD, FAAP
Juanita Davis, MN, APRN, NNP-BC
Niki Kosmetatos, MD, FAAP
Linda L. McCollum, PhD, APRN, NNP-BC
Anthony Piazza, MD, FAAP
Aimee Poor, MN, APRN, NNP-BC
Esther Taylor, BS, RRT
Janet L. Thigpen, MN, APRN, NNP-BC
Maribeth White, MSN, APRN, NNP-BC
Continuing Education

**Medicine:** The Emory Regional Perinatal Center is accredited by the Medical Association of Georgia to provide continuing medical education for physicians.

The Emory Regional Perinatal Center designates this live activity for a maximum of 15.0 AMA PRA Category 1 Credit(s)™. Physicians should only claim credit commensurate with the extent of their participation in the activity.

**Nursing:** Emory Regional Perinatal Center is an approved provider of continuing nursing education by the Georgia Nurses Association, an accredited approver by the American Nurses Credentialing Center’s Commission on Accreditation.

This activity has been designated for 15.0 contact hours. Nurses licensed in other states are advised to check with that state regarding reciprocity.

**Respiratory Therapy:** Application has been made to the American Association for Respiratory Care (AARC) for 15.0 continuing education contact hours for respiratory therapists.

**Pharmacology Content:** There are many sessions with significant pharmacology content and contact hours will be designated accordingly on the certificate of attendance. Because state regulations vary, contact your state board for those requirements.

**Disclosure Policy:** Emory Regional Perinatal Center seeks to ensure balance, independence, objectivity, and scientific rigor in all of its educational programs. Any person in a position to control the content of an educational activity is required to disclose all relevant financial relationships with any commercial interests. The ACCME defines “relevant financial relationships” as those in any amount occurring within the past 12 months, including those of a spouse / life partner that could create a conflict of interest. Individuals who refuse to disclose will not be permitted to contribute to this activity in any way. Policies are in place that will identify and resolve potential conflicts of interest prior to this educational activity. Emory Regional Perinatal Center also requires faculty to disclose discussions of investigational products or unlabeled / unapproved uses of drugs or devices.

Accommodations

Nestled in a secluded wooded corner of Emory University campus in northeast Atlanta are two adjacent, picture perfect properties for comfort and relaxation. Both sites are owned by Emory University and are connected by a covered walkway. Amenities include pools, fitness club, jogging trails, bicycling, and massage and spa services. For the avid exercise enthusiast, the Woodruff Center on campus offers a rock climbing wall, racquetball courts and tennis. There are also several golf courses nearby. The eclectic shopping and dining areas of Buckhead, Lenox Mall and Phipps Plaza are just three miles away. Drive a little further into downtown Atlanta to visit the Martin Luther King Center, the Carter Presidential Library, the High Museum of Art, Centennial Olympic Park, the Georgia Aquarium, the CNN Center, the World of Coke, and much more.

**Emory Conference Center Hotel**  
1615 Clifton Road  
Atlanta, GA 30329  
Rates are $149 single or double  
plus 12% state and local tax  
The Hotel and Inn may be contacted through a shared switchboard and website:  
http://www.emoryconferencecenter.com

**The Emory Inn**  
1641 Clifton Road  
Atlanta, GA 30329  
Rates are $76 single or double  
plus 12% state and local tax

When making reservations, please request the special Emory Neonatology conference rate. Rates are applicable for reservations made through March 7, 2012. Reservation requests received after this date will be accepted on a space available basis at the best prevailing rate. Check-in time is 4:00 pm. Check-out time is 12:00 noon.

**Directions:** Self-parking is complimentary. For door-to-door directions, visit the Emory Conference Center website.

**Driving south on I-85:** Exit North Druid Hills Road (exit 89). At the end of the ramp, turn left onto North Druid Hills Road. At the 3rd traffic light, turn right onto Briarcliff Road. At the 5th traffic light, turn left onto Clifton Road. The hotels and conference center are approximately 1 mile on the left.

**Driving north on I-85:** (from the airport) Exit North Druid Hills Road (exit 89). At the end of the ramp, turn right onto North Druid Hills Road. At the 2nd traffic light, turn right onto Briarcliff Road. At the 5th traffic light, turn left onto Clifton Road. The hotels and conference center are approximately 1 mile on the left.

**Airport Shuttle:** The Hartsfield-Jackson International Airport is 15 miles away which equates to about 30 minutes travel time. Transportation is available through Atlanta Superior Shuttle which is located at ground transportation center-green 5 & 6 (across taxis). One way service is $30. Round trip is $50. Advance reservations are requested: 770-457-4794 atlantasuperior@aol.com
Neonatology 2012 Conference Agenda

Thursday March 29th

7:00-7:45  Continental Breakfast & Registration
7:45-8:00  Welcome & Introductions: David Carlton, MD, Ann Critz, MD

<table>
<thead>
<tr>
<th>Session I – Cardiorespiratory</th>
<th>Moderator: Bharath Srivatsa, MD</th>
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<tr>
<td>8:00-9:00  “Non-Invasive Neonatal Respiratory Support: Alphabet Soup Part I”</td>
<td>1:25-1:30  Introduction</td>
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<td>Martin Keszler, MD</td>
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<tr>
<td>9:00-10:00  “Pharmacologic Management of Hypotension in the Neonate”</td>
<td>3:30-3:45  Break</td>
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<td>Robert M. Ward, MD</td>
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<tr>
<td>10:00-10:15  Break</td>
<td>4:45-5:45  “Transfusions and Gut Perfusion”</td>
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<tr>
<td>10:15-11:15  “Invasive Neonatal Respiratory Support: Alphabet Soup Part II”</td>
<td>6:00-7:30  Buffet Dinner &amp; Case Presentations – included with RSVP</td>
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<td>Martin Keszler, MD</td>
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<td>Lucky Jain, MD, MBA</td>
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12:15-1:25  Lunch - included
Friday, March 30th

7:00-7:30  Continental Breakfast & Registration
7:30-7:40  Welcome & Introductions: David Carlton, MD, Ann Critz, MD

**Session III – New Thoughts on Some Old But Common Problems**
Moderator: Abdul Ahmed, MD

<table>
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<tr>
<th>Time</th>
<th>Session</th>
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| 7:40-8:00 | Wandra L. Jones-Phillips Memorial Lecture Introduction  
George W. Bugg, Jr., MD |
| 8:00-9:00 | “Management of Neonatal Hyperbilirubinemia in the  
Neonatal Intensive Care Unit”  
Vinod K. Bhutani, MD |
| 9:00-9:30 | Break                                         |
| 9:30-10:30 | “Maternal Substance Abuse and the Neonate”  
Robert M. Ward, MD |
| 10:30-11:30 | “Neonatal Glucose Homeostasis”  
Vinod K. Bhutani, MD |
| 11:30-12:45 | Lunch - included                             |

**Session IV – Gastrointestinal II**
Moderator: Jill Morris Patrick, NNP

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<th>Time</th>
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<tr>
<td>12:45-1:00</td>
<td>Introduction</td>
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</table>
| 1:00-2:00 | “The Neonatal Surgical Gut: Why Can’t I Poop?”  
Richard R. Ricketts, MD |
| 2:00-2:15 | Break                                         |
| 2:15-3:15 | “Management of NEC: What Do Cytokines and  
the NEST Trial Tell Us?”  
Amina Bhatia, MD |
| 3:15-4:15 | “The Legacies of NEC: Short Gut and Cholestasis”  
Heidi Karpen, MD |
| 4:15    | Adjourn                                      |
GUEST FACULTY
Vinod K. Bhutani, MD, FAAP
Professor of Pediatrics
Division of Neonatal-Developmental Medicine
Lucile Packard Children’s Hospital
Stanford University School of Medicine
Stanford, California

Martin Keszler, MD, FAAP
Professor of Pediatrics
Associate Director of NICU
Director of Newborn Respiratory Services
Women & Infants Hospital of Rhode Island
Providence, Rhode Island

Richard Schanler, MD, FAAP
Professor of Pediatrics
Hofstra University School of Medicine
Chief, Neonatal-Perinatal Medicine
Associate Chair, Department of Pediatrics
Cohen Children’s Medical Center of New York at North Shore
Manhasset, New York

Robert M. Ward, MD, FAAP, FCP
Director, Pediatric Pharmacology Program
Professor of Pediatrics
Adjunct Professor, Pharmacology/Toxicology
University of Utah
Salt Lake City, Utah

EMORY FACULTY
Amina Bhatia, MD, FACS
Pediatric Surgeon
Clinical Assistant Professor of Surgery
Department of Pediatric Surgery
Emory University School of Medicine
Children’s Healthcare of Atlanta-Egleston
Atlanta, Georgia

Lucky Jain, MD, MBA, FAAP
Richard W. Blumberg Professor
Department of Pediatrics
Division of Neonatal-Perinatal Medicine
Medical Director Emory Children’s Center
Emory University School of Medicine
Atlanta, Georgia

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Neonatology Fellow
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Atlanta, Georgia

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Assistant Professor
Department of Pediatrics
Division of Neonatal-Perinatal Medicine
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Atlanta, Georgia

Terri Marín, MSN, NNP-BC
PhD Candidate
Emory University School of Nursing
Atlanta, Georgia

Ravi M. Patel, MD, FAAP
Assistant Professor
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Atlanta, Georgia

Richard R. Ricketts, MD, FACS, FAAP
Chief of Pediatric Surgery
Children’s Healthcare of Atlanta-Egleston
Director Division of Pediatric Surgery
Professor of Surgery and Pediatrics
Emory University School of Medicine
Atlanta, Georgia

William R. Sexson, MD, FAAP
Vice Chair, Department of Pediatrics
Professor of Pediatrics
Associate Dean for Clinical Affairs
Grady Health System
Division of Neonatal-Perinatal Medicine
Emory University School of Medicine
Atlanta, Georgia

MODERATORS
Abdul Ahmed, MD, FAAP
Medical Director, Neonatal Intensive Care Unit
Eastside Medical Center
Snellville, Georgia

George W. Bugg, Jr., MD, FAAP, MPH
Assistant Professor
Department of Pediatrics
Division of Neonatal-Perinatal Medicine
Medical Director, Intermediate and Term Nurseries
Grady Memorial Hospital
Director, Emory Regional Perinatal Center
Emory University School of Medicine
Atlanta, Georgia

David Carlton, MD, FAAP
Marcus Professor of Pediatrics
Chief of Neonatal-Perinatal Medicine
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Ann Critz, MD, FAAP
Associate Professor
Division of Neonatal-Perinatal Medicine
Department of Pediatrics
Chief of Pediatrics
Emory University Hospital Midtown
Medical Director of Nurseries,
Emory University Hospital Midtown
Emory University School of Medicine
Atlanta, Georgia

Jill Morris Patrick, MN, APRN, NNP-BC
Marietta Neonatology
WellStar Cobb and Kennestone Hospitals
Marietta, Georgia

Deepa Ranganathan, MD, FAAP
Neonatologist
Pediatrix Medical Group of Georgia at Piedmont Hospital
Atlanta, Georgia

Bharath Srivatsa, MBBS, MD, FAAP
Neonatologist
Northside Hospital
Atlanta, Georgia
Registration Form - Neonatology 2012

Please print clearly so that information will appear correctly on your name badge.

Name _______________________________________________________

Credentials __________________________________________________

Institution ____________________________________________________

Institution City & State __________________________________________

Mailing Address ______________________________________________

Daytime Phone _______________________________________________

E-mail _______________________________________________________

Special Needs
Every effort is made to accommodate those with special medical or dietary needs, especially when we receive the information in advance. If you require special assistance to fully participate, please indicate _________________________________________.

Refund / Cancellation Policy
All cancellations must be made in writing, by FAX, or by E-mail. No telephone cancellations will be accepted. Cancellations postmarked on or before March 7, 2012 will be refunded less a $50 administrative fee. No refund will be given for cancellations postmarked after this date; however, you may transfer your registration to a colleague. In case of transfer, please notify us as soon as possible.

Questions? Contact: Karen E. Parker
Phone: 404-727-3360
FAX: 404-727-3236
E-mail: karen.e.parker@emoryhealthcare.org

Early Registration by March 7, 2012 1-Day 2-Days
Physicians...........................................................$325 $450
NNPs, RNs, RT, & Allied Health.......................................$225 $300
Residents, Fellows & full-time Students * ..................$150 $225
* To qualify for the special rate, you must enclose a letter of verification from your program director.

Late / On-Site Fees
Registration postmarked after March 7, 2012 ......................add $ 50
On-Site registration ...............................................................add $100

Attendance Confirmation - Please check the day(s) you will attend:

☐ Both days
☐ Thursday, March 29th only
☐ Friday, March 30th only

Syllabus (provided with registration)
☐ CD-ROM ...................................................................... add $10

Event RSVP - Thursday Buffet Dinner (included with registration, RSVP required)
Please indicate if you plan to attend:
☐ Buffet Dinner  ☐ No, I do not plan to attend the dinner.

Wisteria Lane Social Event (included with registration for 1 or 2 days)

Make check or money order payable (U.S. funds only) to:

Emory Division of Neonatology
FEIN: 58-0566256

Mail to: Mailstop 1370001-2AA
Division of Neonatal-Perinatal Medicine
Emory University Department of Pediatrics
2015 Uppergate Drive
Atlanta, GA 30322
ATTN: Karen E. Parker

Or you can register online at http://www.pediatrics.emory.edu/divisions/neonatology/
We are pleased to accept Visa and MasterCard
An administrative fee of 2.1% will be charged