Neonatology 2015
Atlanta, Georgia

April 30 - May 1, 2015

Emory Regional Perinatal Center
Division of Neonatal-Perinatal Medicine
Department of Pediatrics
Emory University School of Medicine

Emory Conference Center
1615 Clifton Road
Atlanta, Georgia
Dear Colleague,

On behalf of the Emory Regional Perinatal Center and the Emory Division of Neonatal-Perinatal Medicine, Department of Pediatrics, Emory University School of Medicine, welcome to Atlanta for our 23rd annual conference: Neonatology 2015. 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. Our program this year will reflect changes in practice regarding the management of neonatal abstinence syndrome, delayed cord clamping and red cell transfusion, enteral and parenteral nutrition, and learning through simulation.

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

Sincerely,
David P. Carlton, MD, FAAP
Helen O. Williams, MD, FAAP
Conference Directors

In the spirit of going green, the syllabus for the Neonatology 2015 Course will be available to all attendees online for download the week of the conference. If you would like to receive a printed copy of the syllabus, it can be ordered in advance of the course for $50 and will be available for pick up at the registration desk.

Objectives
1. List the benefits and risks of delayed umbilical cord clamping in the term and preterm infant
2. Recognize the correct products to use for the correction of neonatal coagulopathy
3. Discuss known and postulated risks and benefits of red blood cell transfusion in preterm infants
4. List 3 strategies for reducing the need for red blood cell transfusion
5. Evaluate the value of antenatal and postnatal corticosteroids in the extremely premature neonate
6. Examine the importance of developing protocols for the treatment of neonatal abstinence syndrome
7. List ways in which caffeine therapy may benefit the preterm infant
8. Review the management of shock in the neonate
9. Identify how teaching through simulation is different than traditional educational models
10. Describe how different simulation methods can be used to achieve specific learning goals
11. Describe the diagnostic workup for the persistently jaundiced neonate
12. Identify why newborns with congenital anomalies may require additional resuscitative measures
13. Identify vitamin and mineral needs for the parenterally and enterally fed neonate
14. Discuss strategies for prevention of TPN cholestasis
15. Differentiate between causes of stridor in newborns

Scientific and Organizing Committee
Betty Boecler, MN, APRN, NNP-BC
David P. Carlton, MD, FAAP
Juanita Davis, MN, APRN, NNP-BC
Linda L. McCollum, PhD, APRN, NNP-BC
Sowmya Mohan, MD, FAAP
Anthony Piazza, MD, FAAP
Aimee Poor, MN, APRN, NNP-BC
Jessica Roberts, MD, FAAP
Esther Taylor, BS, RRT, NPS
Maribeth White, MSN, APRN, NNP-BC
Helen O. Williams, MD FAAP
Continuing Education

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

Emory Regional Perinatal Center designates this live activity for a maximum of 13.0 AMA PRA Category 1 Credits™. 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 Tennessee Nurses Association, an accredited approver by the American Nurses Credentialing Center’s Commission on Accreditation.

This activity has been designated for a maximum of 13.0 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 13.0 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 activities. Conference directors, planning committee members, speakers, and all others who are in a position to control the content of this educational activity are required to disclose all relevant financial relationships with any commercial interest related to the subject matter. A process to resolve conflicts of interest and commercial bias has been implemented. Speakers also will disclose any off-label and/or investigational use of pharmaceuticals or instruments discussed in their presentation. Disclosure of this information will be provided on site so participants may formulate their own judgments regarding the presentation.

Accommodations

The Emory Conference Center Hotel, inspired by the architectural design of Frank Lloyd Wright, is surrounded by 26 acres of forest preserve. 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 Coca-Cola, 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

404-712-6565 or 1-800-933-6679
http://www.emoryconferencecenter.com

When making reservations, please request the special Emory Neonatology conference rate. Rates are applicable for reservations made through April 1, 2015. 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.

**Parking/Directions:** Free parking is available during the two days of the conference. Afterwards, self-parking is $10 and valet parking is $20. 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 Bricciriff Road. At the 5th traffic light, turn left onto Clifton Road. The hotel 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 Bricciriff Road. At the 5th traffic light, turn left onto Clifton Road. The hotel 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. One way service is $30. Round trip is $50. Advance reservations are requested: 770-457-4794 or atlantasuperior@aol.com
## Neonatology 2015 Agenda

**Thursday, April 30th**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session I – Neonatal Hematology</th>
<th>Session II – Pharmacology</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:00-7:45</td>
<td>Continental Breakfast &amp; Registration</td>
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<tr>
<td>7:45-8:00</td>
<td>Welcome &amp; Introductions: David P. Carlton, MD and Helen O. Williams, MD</td>
<td>Introduction</td>
</tr>
</tbody>
</table>
| 8:00-9:00| **Delayed Umbilical Cord Clamping and Cord Milking**
          | Edward F. Bell, MD              | 1:40-2:00 Introduction    |
| 9:00-10:00| **Treatment of Neonatal Coagulopathy**
          | Cassandra D. Josephson, MD      | 2:00-3:00 Neonatal Abstinence Syndrome – Treatment & Outcomes
          |                                  | Moira A. Crowley, MD          |
| 10:00-10:30| Exhibits & Break                | 3:00-3:30 Exhibits & Break   |
| 10:30-11:30| **Transfusion of the Preterm Infant**
          | Edward F. Bell, MD              | 3:30-4:30 An Update on Caffeine Therapy
          |                                  | Wally Carlo, MD                |
| 11:30-12:30| **Steroids in the Extremely Premature Infant: Is There Value?**
          | Wally Carlo, MD                  | 4:30-5:30 Management of Shock in the Neonate
          |                                  | Moira A. Crowley, MD           |
| 12:30-1:40| Lunch – Included                | 5:30 Adjourn                 |

**Session I – Neonatal Hematology**

**Moderator:** Andrew Davey, MD

- **Delayed Umbilical Cord Clamping and Cord Milking**
  - Edward F. Bell, MD
- **Treatment of Neonatal Coagulopathy**
  - Cassandra D. Josephson, MD
- Exhibits & Break
- **Transfusion of the Preterm Infant**
  - Edward F. Bell, MD
- **Steroids in the Extremely Premature Infant: Is There Value?**
  - Wally Carlo, MD
- Lunch – Included

**Session II – Pharmacology**

**Moderator:** Suzanne Staebler, DNP, APRN, NNP-BC

- Introduction
- Neonatal Abstinence Syndrome – Treatment & Outcomes
  - Moira A. Crowley, MD
- Exhibits & Break
- An Update on Caffeine Therapy
  - Wally Carlo, MD
- Management of Shock in the Neonate
  - Moira A. Crowley, MD
- Adjourn
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<td>Wandra L. Jones-Phillips Memorial Lecture</td>
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<td>Introduction George W. Bugg, Jr, MD, MPH</td>
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<tr>
<td>8:00-9:00</td>
<td>Teaching and Learning Through Simulation</td>
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<td>8:00-9:00</td>
<td>Anne Ades, MD, MSEd</td>
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<tr>
<td>9:00-9:30</td>
<td>Exhibits &amp; Break</td>
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<tr>
<td>9:30-10:30</td>
<td>Management of the Persistently Jaundiced Neonate</td>
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<td>9:30-10:30</td>
<td>Saul J. Karpen, MD, PhD</td>
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<td>10:30-11:30</td>
<td>Delivery Room Resuscitation of Newborns with Congenital Anomalies</td>
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<td>Anne Ades, MD, MSEd</td>
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<tr>
<td>11:30-12:15</td>
<td>Lunch - Included</td>
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<tr>
<td>12:45-1:00</td>
<td>Introduction</td>
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<tr>
<td>1:00-2:00</td>
<td>Vitamin and Mineral Supplementation in Enteral and Parenteral Nutrition</td>
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<td>1:00-2:00</td>
<td>Steve Abrams, MD</td>
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<td>2:00-3:00</td>
<td>TPN Cholestasis – Prevention and Treatment</td>
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<tr>
<td>2:00-3:00</td>
<td>Heidi Karpen, MD</td>
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<tr>
<td>3:00-3:30</td>
<td>Exhibits &amp; Break</td>
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<tr>
<td>3:30-4:00</td>
<td>Stridor in the Neonate</td>
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<tr>
<td>3:30-4:00</td>
<td>Roy Rajan, MD</td>
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<td>4:30</td>
<td>Adjourn</td>
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**Session III – Practice Updates**

**Moderator:** Kelly K. Adams, MD, MPH

- 7:45-8:00 Wandra L. Jones-Phillips Memorial Lecture
- Introduction George W. Bugg, Jr, MD, MPH
- 8:00-9:00 Teaching and Learning Through Simulation
- Anne Ades, MD, MSEd
- 9:00-9:30 Exhibits & Break
- 9:30-10:30 Management of the Persistently Jaundiced Neonate
- Saul J. Karpen, MD, PhD
- 10:30-11:30 Delivery Room Resuscitation of Newborns with Congenital Anomalies
- Anne Ades, MD, MSEd
- 11:30-12:15 Lunch - Included

**Session IV – Practice Updates Continued**

**Moderator:** David H. Levine, MD

- 12:45-1:00 Introduction
- 1:00-2:00 Vitamin and Mineral Supplementation in Enteral and Parenteral Nutrition
  - Steve Abrams, MD
- 2:00-3:00 TPN Cholestasis – Prevention and Treatment
  - Heidi Karpen, MD
- 3:00-3:30 Exhibits & Break
- 3:30-4:00 Stridor in the Neonate
  - Roy Rajan, MD
- 4:30 Adjourn
**GUEST FACULTY**

Steve Abrams, MD  
Professor of Pediatrics  
Chair, Department of Pediatrics  
Dell Medical School  
University of Texas, Austin

Anne Ades, MD, MSeD  
Director of Neonatal Education  
The Children’s Hospital of Philadelphia  
Associate Professor of Clinical Pediatrics  
The Perelman School of Medicine at the University of Pennsylvania  
Philadelphia, Pennsylvania

Edward F. Bell, MD  
Professor of Pediatrics  
Vice Chair for Faculty Development  
Division of Neonatology  
University of Iowa  
Iowa City, Iowa

Wally Carlo, MD  
Professor and Division Chair  
Edwin M. Dixon Professor of Pediatrics  
Director, Division of Neonatology  
Director, Newborn Nurseries  
University of Alabama at Birmingham

Moira A. Crowley, MD  
Rainbow Babies and Children’s Hospital  
Co-Director, Neonatal ECMO Program  
Assistant Professor, Pediatrics  
University Hospitals Case Medical Center  
Cleveland, Ohio

**EMORY FACULTY**

George W. Bugg, Jr, MD, MPH  
Assistant Professor  
Division of Neonatal-Perinatal Medicine  
Department of Pediatrics  
Medical Director, Special Care and Term Nurseries, Grady Health System  
Director, Emory Regional Perinatal Center  
Emory University School of Medicine  
Atlanta, Georgia

Cassandra D. Josephson, MD  
Professor, Pathology and Pediatrics  
Emory University School of Medicine  
Director of Clinical Research, Center for Transfusion and Cellular Therapies  
Program Director, Transfusion Medicine Fellowship Medical Director, Children's Healthcare of Atlanta Blood, Tissue, and Apheresis Services  
Atlanta, Georgia

Heidi Karpen, MD  
Assistant Professor  
Director Neonatal-Perinatal Medicine Fellowship  
Division of Neonatal-Perinatal Medicine  
Department of Pediatrics  
Emory University School of Medicine  
Atlanta, Georgia

Saul J. Karpen, MD, PhD  
Raymond F. Schinazi Distinguished Biomedical Chair  
Professor of Pediatrics  
Division Chief, Pediatric GI, Hepatology & Nutrition  
Emory University School of Medicine  
Children's Healthcare of Atlanta  
Atlanta, Georgia

Roy Rajan, MD  
Assistant Professor  
Otolaryngology-Head & Neck Surgery  
Emory University School of Medicine  
Atlanta, Georgia

**MODERATORS**

Kelly K. Adams, MD, MPH  
Neonatologist  
The Longstreet Clinic  
Gainesville, Georgia

David P. Carlton, MD,  
Marcus Professor of Pediatrics  
Chief of Neonatal-Perinatal Medicine, Department of Pediatrics  
Emory University School of Medicine  
Atlanta, Georgia

Andrew Davey, MD  
Neonatologist  
Children’s Healthcare of Atlanta  
Northside Hospital  
Atlanta, Georgia

David H Levine MD  
Director, Newborn Services and Regional Perinatal Center  
Columbus Regional Health  
Associate Professor of Clinical Pediatrics  
Mercer University School of Medicine  
Columbus, Georgia

Jessica Roberts, MD  
Assistant Professor  
Division of Neonatal-Perinatal Medicine  
Department of Pediatrics  
Emory University School of Medicine  
Atlanta, Georgia

Suzanne Staebler, DNP, APRN, NNP-BC  
Associate Professor, Clinical Track  
Specialty Program Coordinator, NNP Program  
Nell Hodgson Woodruff School of Nursing at Emory University  
Neonatal Nurse Practitioner  
School of Medicine  
Atlanta, GA

Helen O. Williams, MD  
Assistant Professor  
Division of Neonatal-Perinatal Medicine  
Department of Pediatrics  
Emory University School of Medicine  
Atlanta, Georgia

**Photo Credit:** Georgia Department of Economic Development
Registration Form - Neonatology 2015

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 Email. No telephone cancellations will be accepted. Cancellations postmarked on or before April 06, 2015 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: Monica Partlow
Phone: 404-712-6613
FAX: 404-727-3236
E-mail: Neo.Conference@emory.edu

<table>
<thead>
<tr>
<th>Early Registration by April 06, 2015</th>
<th>1 day</th>
<th>2 days</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physicians</td>
<td>$325</td>
<td>$450</td>
</tr>
<tr>
<td>NNPs, PAs, RNs, RT &amp; Allied Health</td>
<td>$225</td>
<td>$300</td>
</tr>
<tr>
<td>Residents, Fellows &amp; full-time Students *</td>
<td>$150</td>
<td>$225</td>
</tr>
<tr>
<td>Late registration (After 4/6/15)</td>
<td>+$50</td>
<td>+$50</td>
</tr>
<tr>
<td>On-site registration</td>
<td>+$100</td>
<td>+$100</td>
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<tr>
<td>Printed Syllabus</td>
<td>+$50</td>
<td>+$50</td>
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<tr>
<td>Downloadable syllabus included in conference registration</td>
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<tr>
<td><strong>Total</strong></td>
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† Tuition discounts of $30 per person are given to groups of 4 or more registering for the complete conference. To qualify for the group discount, all registration information must be complete for all group members, payment included and forms mailed together. Groups may not be formed after individual registrations are received. Online registration is not available for groups.

* To qualify for the special rate, you must enclose a letter of verification from your program director.

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
Department of Pediatrics
Emory University School of Medicine
2015 Uppergate Drive, Suite 316
Atlanta, Georgia 30322

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