Innovations in the Cardiac Care of the Critically Ill Neonate: Questions and Controversies

Wednesday, Thursday & Friday
September 21-23, 2011
Grand Hyatt San Antonio

Provided by:

PEDIA TriX
MEDICAL GROUP
Innovations in the Cardiac Care of the Critically Ill Neonate: Questions and Controversies

Health care professionals are increasingly called upon to assess and treat congenital heart disease in newborns. A complete and thorough understanding of their unique cardiopulmonary and circulatory physiology is crucial. Ongoing and continuing education related to new techniques and treatments is required in order to enable clinicians to make the most appropriate moment-to-moment medical decisions allowing these infants to have a high quality long-term outcome. The interdisciplinary approach of this conference will address the needs of neonatologists, pediatricians, pediatric cardiologists, interventional cardiologists, pediatric cardiothoracic surgeons and advanced practice nurses.

Objectives
At the conclusion of the conference, participants should be able to:

• Identify factors contributing to delayed neurodevelopmental maturation in infants with complex congenital heart disease
• Determine appropriateness of available neuroimaging studies and optimal utilization of such studies in the management of the infant with congenital heart disease
• Identify effective diagnostic and treatment strategies for the initial evaluation and treatment of the infant with significant cardiopulmonary disease
• Discuss implications of nutritional management on long-term developmental outcome for infants with altered hemodynamics facing staged surgical correction of complex cardiac lesions
• Discuss available surgical techniques for correction or palliative maintenance for the infant with significant anatomical and functional cardiovascular abnormalities
• Discuss diagnostic and intervention dilemmas related to the management of infants with hemodynamic abnormalities
• Consider socio-economical and ethical implications of offering life sustaining cardiac treatment to infants with multiple congenital anomalies or for whom intact survival is unlikely

Educational Methods
Lectures ■ Roundtable Discussion ■ Case Study Presentations ■ Course Syllabus

Evaluation
Evaluation by questionnaire will address program content, presentation and possible bias.

The MEDNAX Center for Research, Education and Quality has identified Session IV: Ethical Considerations for a maximum of 2.75 hours of content in Ethics.
Accreditation/Credit Designation
The MEDNAX Center for Research, Education and Quality is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

The MEDNAX Center for Research, Education and Quality designates this live activity for a maximum of 19.0 AMA PRA Category 1 Credits™.

The MEDNAX Center for Research, Education and Quality is accredited as a provider of continuing nursing education by the American Nurses Credentialing Center’s Commission on Accreditation.

The MEDNAX Center for Research, Education and Quality designates this educational activity for a maximum 19 continuing nursing education (CNE) contact hours.

Attendees should only claim credit commensurate with the extent of their participation in the conference.

**September 21, 2011**

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
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<tbody>
<tr>
<td>7:30 am – 8:00 am</td>
<td><strong>Registration and Continental Breakfast</strong></td>
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<tr>
<td>8:00 am – 8:10 am</td>
<td><strong>Welcome &amp; Introduction</strong></td>
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<tr>
<td>8:10 am – 8:30 am</td>
<td>Innovations in Cardiac Care - <em>John Calhoon, MD</em></td>
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**Session I: Medical and Surgical Approaches in the Neonate**

<table>
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<th>Time</th>
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<tr>
<td>8:30 am – 9:15 am</td>
<td>Fetal Interventions - <em>Audrey Marshall, MD</em></td>
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<tr>
<td>9:15 am – 10:00 am</td>
<td>Initial Management Considerations of Infants Who Have Congenital Heart Disease - <em>Gil Wernovsky, MD</em></td>
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<tr>
<td>10:00 am – 10:30 am</td>
<td><strong>Morning Refreshments</strong></td>
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<tr>
<td>10:30 am – 11:15 am</td>
<td>Aortic Valve Repair and the Ross Technique - <em>John Calhoon, MD</em></td>
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<td>11:15 am – 12:30 pm</td>
<td>Decisions for Single Ventricle versus Two Ventricle Repair - <em>Jim Tweddell, MD</em></td>
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<td>12:30 pm – 1:45 pm</td>
<td><strong>Lunch</strong></td>
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<tr>
<td>1:45 pm – 2:30 pm</td>
<td>Innovations in Cardiac Catheterization - <em>Audrey Marshall, MD</em></td>
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<td>2:30 pm – 3:15 pm</td>
<td>Management of the High Risk Neonate with Ductal Dependent Systemic Blood Flow - <em>Jim Tweddell, MD</em></td>
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<td>3:15 pm – 4:00 pm</td>
<td>Treatment Modalities related to Myocarditis, Issues Pertaining to Heart Transplant and Improved Management of Congestive Heart Failure in the Neonate - <em>Joe Rossano, MD</em></td>
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<tr>
<td>4:00 pm</td>
<td><strong>Adjourn for the Day</strong></td>
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<td>5:30 pm</td>
<td><strong>Social</strong></td>
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<td>6:30 pm</td>
<td><strong>Dinner and Presentation</strong></td>
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<td>Third World Country and Decisions for Treatment - <em>John Kupferschmid, MD</em></td>
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September 22, 2011
7:00 am – 8:00 am  Continental Breakfast

Session II: Feeding/Nutrition Follow Up & Discharge Considerations
8:00 am – 8:45 am  Postoperative Feeding Dysfunction in the Neonate After Aortic Arch Surgery: An Objective Management Protocol - Scott Bradley, MD
8:45 am – 9:30 am  The Use of Probiotics in the Term and Congenital Cardiac Patient - Jose Saavedra, MD
9:30 am – 10:15 am  Collaboration in Single Ventricle Care, the JCCHD NPC: QIC Experience - Steven Neish, MD
10:15 am – 10:45 am  Morning Refreshments
10:45 am – 11:30 am  Post Discharge Nutrition and Interstage Effects - Nancy Rudd, MSN, CPNP
11:30 am – 12:15 pm  Long Term Developmental Follow up on Infants with Single Ventricle Anatomy - Gil Wernovsky, MD
12:15 pm – 1:30 pm  Lunch

Session III: Hemodynamic Considerations
1:30 pm – 2:15 pm  Echocardiography for the Neonatologist - Don McCurnin, MD
2:15 pm – 3:00 pm  Pulmonary Hypertension Etiologies and Strategies for Management - Don Null, MD
3:00 pm – 3:45 pm  Controversies in the Treatment of Patent Ductus Arteriosus in Preterm Infants - Matt Laughon, MD
3:45 pm – 4:15 pm  Afternoon Refreshments
4:15 pm – 5:30 pm  Round Table with Case Discussions on Hemodynamics
Moderator: Robert DiGeronimo, MD

September 23, 2011
7:00 am – 8:00 am  Continental Breakfast

Session IV: Ethical Considerations
8:00 am – 8:45 am  Death and Dying - John Patrick, MD
8:45 am – 9:15 am  Guidelines, Norms and Standards for Treatment Decisions in High Risk Newborns - John J. Paris, SJ
9:15 am – 10:00 am  Medicine in an Age of Limited Resources: Have we Forgotten Hippocrates? - John Patrick, MD
10:00 am – 10:45 am  Ethical Case Discussions
10:45 am – 11:00 am  Morning Refreshments

Session V: Neonatal Brain and Cardiac Imaging
11:00 am – 11:45 am  Neuro Imaging - Amit Mathur, MD
11:45 am – 1:00 pm  Lunch
1:00 pm – 1:45 pm  Brain Maturation of Infants with Congenital Heart Disease - Cynthia Ortinau, MD
1:45 pm – 2:30 pm  Neuroprotective Considerations - Gil Wernovsky, MD
2:30 pm – 3:15 pm  Cardiac MRI vs. Cardiac CT Angiograms - Mike Lane, MD
3:15 pm  Adjourn
Health care professionals are increasingly called upon to assess and treat congenital heart disease in newborns.
Scott Bradley, MD  
Professor of Pediatrics  
Director, Division of Cardiothoracic Surgery  
Medical University of South Carolina

Don McCurnin, MD  
Professor of Pediatrics, Division of Neonatology  
University of Texas Health Science Center, San Antonio

John Calhoon, MD  
Professor and Head, Division of Cardiothoracic Surgery  
President’s Council Chair in Surgery, Rowena C. Gorman Distinguished Chair  
Pediatric Cardiac Surgery, University of Texas Health Science Center, San Antonio

Steven Neish, MD  
Cardiology Chief, Division Chief of Pediatric Cardiology, Richard S. Wayne Distinguished Chair in Pediatrics, Co-Director, University of Texas Children’s Heart Network, University of Texas Health Science Center, San Antonio

Robert DiGeronimo, MD  
Professor of Pediatrics, Associate Medical Director, NICU  
Primary Children’s Medical Center, University of Utah

Donald Null, MD  
Professor of Pediatrics, Division of Neonatology, NICU Medical Director, Primary Children’s Medical Center, University of Utah

John Kupferschmid, MD  
Director, Congenital Heart Surgery Program, Department of Surgery, Methodist Children’s Hospital, San Antonio

Cynthia Ortinau, MD  
Fellow in Neonatal Medicine, St. Louis Children’s Hospital, Washington University School of Medicine, St. Louis

Mike Lane, MD  
Chief, Cardiac Radiology, South Texas Radiology Group, San Antonio

John J. Paris, SJ  
Michael J. Walsh Professor of Bioethics, Department of Theology, Boston College Clinical Professor of Family Medicine and Community Health, Tufts University School of Medicine

Matt Laughon, MD  
Assistant Professor, Division of Neonatal-Perinatal Medicine School of Medicine, The University of North Carolina at Chapel Hill

John Patrick, MD  
President and Professor of the History of Science and Medicine, Augustine College, Director for Public Policy and Ethics, Christian Medical and Dental Society, Canada

Audrey Marshall, MD  
Chief, Division of Invasive Cardiology, Children’s Hospital, Boston

Joe Rossano, MD  
Assistant Professor of Pediatrics, Department of Cardiology, Texas Children’s Hospital, Baylor College of Medicine, Houston

Amit Mathur, MD  
Associate Professor of Pediatrics, Division of Newborn Medicine, Department of Pediatrics, Washington University School of Medicine Medical Director, Neonatal Intensive Care Unit and Leader of the NICU Based Joint Practice Team, St. Louis Children’s Hospital
Faculty

Nancy Rudd, RN, MSN, CPNP
Pediatric Nurse Practitioner, Pediatric Cardiology,
The Herman Heart Center,
Children’s Hospital of Wisconsin

Jose Saavedra, MD
Associate Professor of Pediatrics,
Gastroenterology and Nutrition,
The Johns Hopkins University School of Medicine and The Bloomberg School of Hygiene and Public Health,
Vice President, Medical, Scientific and Regulatory Affairs,
Nestle Nutrition, North America

James Tweddell, MD
Professor of Cardiothoracic Surgery and Pediatrics,
The S. Bert Litwin Chair of Cardiothoracic Surgery,
Children’s Hospital of Wisconsin

Gil Wernovsky, MD
Associate Chief, Division of Pediatric Cardiology,
Director, Program Development,
The Cardiac Center, Medical Director,
NeuroCardiac Care Program,
Children’s Hospital of Philadelphia
Professor of Pediatrics, University of Pennsylvania School of Medicine

Planning Committee

Christine Aune, MD
Kathy Ballard, MS, RN, NNP-BC
Michael Battista, MD
Tim Biela, MD
Alejandro Gonzalez, MD
Cody Henderson, MD
John Isaac, MD
Jeffrey Paul, MD
George Powers, MD
Linda Romero, Planning Manager
Alan Spitzer, MD
Michael Stanley, MD
Registration Form

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September 21-23, 2011

☐ Physician - $375.00 ☐ APN/Fellow - $275.00

Please complete entire form and indicate a preferred mailing address by checking the appropriate box.

Name__________________________________________________
☐ Home Address __________________________________________
   City _____________________________ State _____ Zip _______
   Phone _________________________________________________
☐ Business Name _________________________________________
   Address 1 _______________________________________________
   Address 2 _______________________________________________
   City _____________________________ State _____ Zip _______
   Phone _________________________________________________
   E-mail ________________________________________________
   Occupation/Title _________________________________________
   Nature of Practice NNP ________ MD ________ Fellow _______
   Other (Specify) __________________________________________

Will you be attending dinner:  ☐ Yes  ☐ No

To pay by check: please complete the registration form above or download a registration form from www.seeuthere.com/innovations. Make checks payable to Pediatrix Medical Group of Texas, San Antonio and mail with completed registration form by August 15th to:

Linda Romero
Pediatrix Medical Group of Texas, San Antonio
5414 Fredericksburg Rd.
Suite 100
San Antonio, Texas 78229

To pay by credit card: please visit www.seeuthere.com/innovations and follow the online directions under credit card registration.