

**FEBRUARY 9/10 - SATURDAY /SUNDAY**

## Saturday and Sunday Overview

By Gil Wernovsky, MD



This will be the last edition of the "Cardiology 2008 Daily." Hopefully, many of you were able to attend the early morning sunrise sessions today, after our reception and late night ensemble last evening!

Our third poster session will yet again feature 29 new research studies from 7 different countries, with an emphasis on practice variability and outcomes. Each of the 8am breakout sessions (Intensive Care, Sudden Death, CV Administration) will conclude with a hot-topic debate at 9:00am. At 10am, our annual featured lectures in cardiology, cardiovascular nursing and cardiac surgery will be supplemented by the first annual lecture in cardiac anesthesia/critical care. The session will conclude with the presentation of the nursing scientist and outstanding investigator awards. During Box Lunch, we will be setting up small group sessions for perfusionists, administrators, OR staff, and others who may wish to meet and network.

One of the highlights of the meeting for medical students, residents, fellows and junior faculty is the "trainee session", which will take place immediately after lunch. Trainees and young attendings will have the opportunity to hear topics that are rarely taught, including tips for a job interview, managing finances, how to maintain work-life balance, how to get a research idea to publication, making effective video presentations and other important topics. The session will conclude with the opportunity for the attendees to speak with the diverse panel of chiefs on the faculty, from 15 different institutions! Other breakout sessions will include pulmonary hypertension, new strategies in the cardiac OR, nursing research, resources available for families, hands-on temporary pacing, the challenges of the EMR, how to obtain and distribute resources for families, and 5 of the surgical faculty discussing "my favorite operation."

The Saturday session will conclude with a comprehensive review of current management and outcome for children with hypoplastic left heart syndrome, including a

panel discussion with representatives from 8 institutions around the globe. Once again, pathologic specimens will be shown by Dr. Weinberg, followed by "rapid-fire" topics and the distribution of question cards. The panel will then address their approach to commonly asked questions from the audience. The meeting will conclude following the panel discussion, with speculation on future directions in the care of these challenging patients.

On behalf of the organizing committee, I want to thank you for attending our annual post-graduate course. The meeting content is principally chosen by prior attendees, and we will be contacting you after the meeting for your thoughts on what worked, what didn't, and topics/speakers you would like to see at the Atlantis resort in Nassau, Bahamas, next year. Mark the date: February 4-8, 2009—hope to see you again!

## Hot Topics in Fetal Cardiology

By Jack Rychik, MD

In Arizona IV on Friday morning, experts in the field of fetal cardiovascular disease gathered to discuss a number of interesting and challenging problems. In somewhat of an unconventional manner, each speaker was assigned a topic which was briefly presented then openly discussed amongst the faculty in a roundtable panel discussion. The forum facilitated a unique and interesting give and take exchange between members of the panel and allowed for a glimpse into the thinking behind a number of controversies in the field. The topics chosen for discussion were stimulating and engendered a number of probing questions from the audience. Faculty discussants included Jack Rychik, Jim Huhta, Norman Silverman, Wayne Tworetzky and Lisa Hornberger.



Dr. Jack Rychik from CHOP started out the session by discussing the cardiovascular manifestations of twin-twin transfusion syndrome and the use of a novel scoring system specifically developed to gauge the magnitude of cardiovascular derangement in this disease. A number of faculty commented on the paucity of understanding con-

cerning the pathophysiology of this disease and the potential for long-term clinical implications. Dr. Wayne Tworetzky from Boston followed with an interesting alternative perspective on fetal cardiac interventions, taking the contrarian view against its use. This engendered an interesting discussion about candidacy for the procedure and questions relating to the definition of HLHS. All agreed that the Boston group is to be highly commended for generating interest in fetal cardiac intervention and that much more work will need to be performed before one can fully discern the role of this procedure in the overall care of patients with congenital heart disease. Dr. Norman Silverman from Stanford presented intriguing data on a very unique and fascinating association seen in the fetus, namely that of atrial isomerism, complete heart block, and spongeiform myocardium. The clinical course and possible treatment strategies for this very serious disease complex was discussed. Dr. Lisa Hornberger from San Francisco presented data on autoimmune fetal heart block with an in depth discussion of the current understanding of the mechanisms of the disease and specific recommendations and guidelines for management and treatment.

## Thursday and Friday Cardiovascular Nursing Sessions

By Katie Dodds, RN, MSN, CRNP and Erika Wintering, RN

Trying to decide which afternoon plenary sessions to attend on Thursday was a difficult task. There were so many options and so many interesting topics. Those who opted for the Cardiovascular Nursing Plenary Sessions were not disappointed.

In the first plenary session nursing experts from across the country presented a "potpourri" of current and relevant clinical talks about pediatric cardiac nursing. Participants learned about the uses for ventricular assist devices in pediatrics, sports participation for patients with CHD, and strategies for preparing children for inpatient procedures from Rosita Maley, Julianne Evangelista, and Elizabeth Tong. Karen Uzark, a nursing leader in pediatric cardiac quality of life research examined this issue in heart transplant patients. Sharon Hill presented the hybrid procedure for HLHS. Mary Fran Hazinski closed this first session with a great discussion of current controversies in pediatric resuscitation and encouraged pediatric hospitals across the country to join the National Registry for CPR at [www.nrcpr.org](http://www.nrcpr.org).

Thursday's late afternoon plenary session shifted the theme from clinical issues to global initiatives, nursing administration, and culture changes. Florence Nightingale continues to influence, guide, and impact

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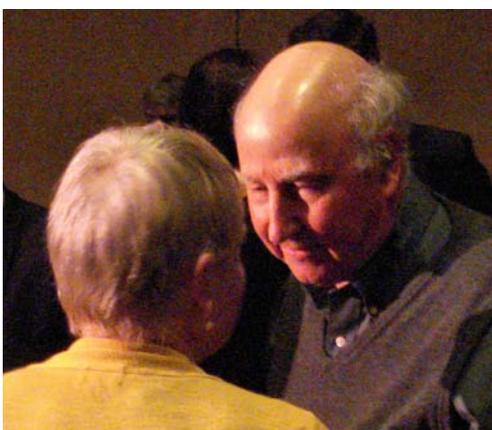


the profession of nursing years after her death. The first two speakers in this session described the ongoing impact of her body of work. Cynda Hylton Rushton described the Nightingale Initiative, an exciting global effort to unite nurses everywhere to improve health care and health. Please join this exciting initiative by going to [www.NightingaleDeclaration.net](http://www.NightingaleDeclaration.net) and ask the United Nations to make the year 2010 the Year of the Nurse. Using Nightingale metrics, Patricia Hickey presented a plan for how these metrics can be used to measure and improve how cardiovascular nurses can better deliver care. Assuring expert and safe care in the midst of new science and new technology, Sharon Hill reviewed the personnel and equipment issues involved in designing a hybrid catheterization lab. Bringing it full circle, Mary Beth Williams explored the philosophy of a cardiac nursing community and the tools required to build it. Thursday ended with a Nursing Reception. All of us had an opportunity to network with the international community of pediatric nurses attending this year's conference.

Developing a systematic yet defect specific approach to caring for patients with CHD takes education, effort, and experience. Friday morning's session, The Basics, provided the tools for getting started. In a fast paced format the panel of speakers presented the "meat" or key important facts of what they wanted the learner to hear and then provided details and the long version of their talks in a printed syllabus given to all of the participants. This format, although unique and challenging, allowed multiple topics and defects to be presented in a "must know" version in just 2 hours. Topics included the "top" things to know about CHD, hemodynamic monitoring, and cardiopulmonary bypass. Patterns of recovery following surgery and the importance of recognizing and following these trends and patterns were discussed. Finally, building on these concepts, the anatomy, physiology, and surgical repair of common types of CHD was presented with actual specimens from Dr. Weinberg's collection at The Children's Hospital of Philadelphia.

Saturday, the nursing program focus shifts to nursing research. The top 3 nursing abstracts will be orally presented at a special Sunrise Nursing Research Breakfast at 7am. Later in the morning the winner of the Second Annual Nursing Scientist Award will be announced. Saturday afternoon offers an exciting opportunity for any nurse interested in doing research. Leading nurse scientists from across the country will be presenting a "how to" session on getting started, choosing the right tools, and following through with the project. The entire day is a celebration of the current and future contributions of nursing research to the art and the science of nursing. Please join us at these events and sessions.

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