



ISHAC DAILY BRIEFING

From Congenital Cardiology Today

JUNE 17 - TUESDAY

Day 2: June 17 – Tuesday

Skills Workshop Gets ISHAC Off to a Great Start

By Ralf J. Holzer, MD & Alistair Phillips, MD - Workshop Directors

The Skills Workshop gave ISHAC participants hands-on experience performing the following Hybrid procedures:

- Placement of pulmonary artery bands and/or placement of a Flow Restrictor followed by placement of a PDA stent (Hybrid Stage I Palliation) for Hypoplastic Left Heart Syndrome
- Perventricular closure of muscular ventricular septal defects
- Intraoperative stent placement into branch pulmonary arteries guided by endoscopy

“Workshop participants also had the opportunity to preview histotripsy of the atrial septum, a new non-invasive technique that mechanically fractionates and removes soft tissue using high intensity ultrasound pulses.”

New animal models were developed to enable surgeons, interventionalists, echocardiographers, and other specialists to get realistic simulated experience with the latest procedures and devices. Participants gained

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experience with both self-expandable and balloon-expandable stents.

Workshop participants also had the opportunity to preview histotripsy of the atrial septum, a new non-invasive technique that mechanically fractionates and removes soft tissue using high intensity ultrasound pulses. This technique can be viewed as soft tissue lithotripsy, which gave rise to the name “histotripsy”. Using focused ultrasound pulses, histotripsy produces microbubbles within a treatment region that function as “mini-scalpels” to fragment and subdivide cell and tissue structures.

Poster Sessions

Check out the outstanding work from colleagues during the breaks and lunch. Thirteen posters were accepted for the 2008 ISHAC representing diverse fields of inquiry. Examples include:

- Collaborative Hybrid Approach to Balloon Dilation of Aortic Stenosis (Dallas, TX)
- Hybrid Palliation of HLHS: Initial Experience Using Columbus Experience (Lisbon, Portugal)
- Hybrid Procedure is the Solution for First Stage Approach with Single Right Ventricle, but Increasing Interstage Morbidity (Curitiba, Brazil)
- Hybrid Procedures for Septal Defects in Developing Countries (Floridablanca, Colombia)
- Making Perventricular Close of an Apical Muscular VSD a “Cinch” (NY, NY)
- Percutaneous Treatment of the Congenital Muscular Ventricular Septal Defect Using the Perventricular Approach (Sao Paulo, Brazil)

See the sidebar for the morning and afternoon session.

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POCKET PREVIEW TUESDAY - JUNE 17

7:00 – 7:45 am - Continental Breakfast & Registration

8 :00 – 10:15 am - Hypoplastic Left Heart Syndrome Part I

- ♦ Hybrid Experience from Abroad
- ♦ HLHS Live Case form Nationwide Children’s

10:30 am – Noon - Hypoplastic Left Heart Syndrome Part II

- ♦ Bands and Flow Restrictors
- ♦ Pulmonary Artery Flow Restrictors from ULAR

1:00 – 2:15 pm - Hypoplastic Left Heart Syndrome Part III

- ♦ Fetal Therapy
- ♦ Atrial Septum and Other Challenges

2:30 – 4:00 pm - Hypoplastic Left Heart Syndrome Part IV

- ♦ Lives Cases from ULAR
- ♦ Updates from Giessen and Columbus

4:00 – 5:00 pm - Keynote Addresses

- ♦ Laissez les bons temps rouler! (The Early Years in New Orleans, LA)
- ♦ The Surgeon, Innovation, and Accountability in Today’s Medical Environment

DAY’S LIVE CASE SUMMARY

Case 1: Hybrid Stage I Palliation HLHS LPA & RPA Bands, PDA Stents on newborn delivered on 6/16/08 diagnosed by fetal echocardiogram on 2/15/08 with HLHS

Case 2: Hybrid & Percutaneous Implant of Amplatzer PA Flow Restrictors

Demonstration of percutaneous as well as per-MPA delivers of the flow restrictor in animal models with a weight between 2.5 – 3.5 kg

Case 3: Transcatheter Valve

Perventricular delivery of the Edwards-Sapien valve in the pulmonary position in an animal model

Case 4: Histotripsy Technique in CHD

Demonstration of histotripsy technology, its mechanism, and procedures used in the pre-clinical histotripsy animal experiments

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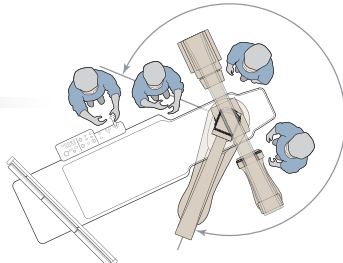


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