

PICS-AICS 09

Pediatric and Adult Interventional Cardiac Symposium

JUNE 21-23, 2009 CAIRNS AUSTRALIA

AT THE 5th WORLD CONGRESS OF PAEDIATRIC CARDIOLOGY AND CARDIAC SURGERY (WCPCCS)



Pocket Guide Syllabus

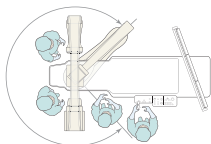


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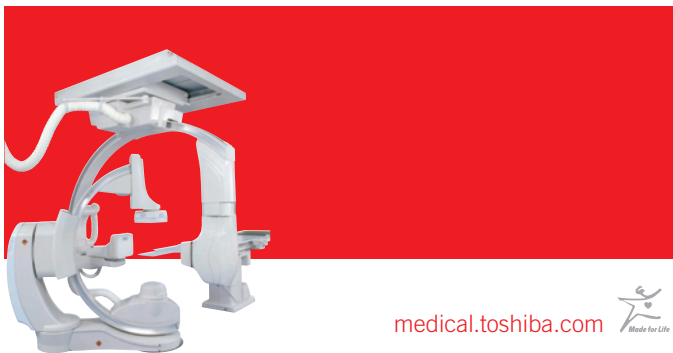


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WELCOME TO PICS ~ AICS

Dear Colleague,

Welcome to the Pediatric Interventional Cardiac Symposium - PICS 2009 & Adult Interventional Cardiac Symposium - AICS 2009 at the World Congress of Paediatric Cardiology & Cardiac Surgery (WCPCCS), featuring live case demonstrations from multiple international venues. We are delighted that this year's meeting is being held in collaboration with the WCPCCS and is an official pre-meeting for this organization. This will be the most comprehensive symposium worldwide in the burgeoning field of interventional therapies for congenital and structural heart disease in children and adults. This symposium will give the attendees a unique opportunity to interact with a distinguished faculty during didactic lectures, interactive discussions, workshops, live case demonstrations and smaller breakout sessions.

This year's course will demonstrate the latest technologies in devices, implantable valves, stents, balloons and will provide attendees the opportunity to learn about many new aspects of interventional cardiology. Special sessions will provide an in-depth focus on septal defect closure (PFO, ASD, VSD and PDA), on coarctation stenting, aortic valve disease and its management in both children and adults, RVOT and pulmonic valve disease (featuring the new percutaneous valve implants), hybrid intervention for Hypoplastic Left Heart Syndrome, stent/angioplasty of branch pulmonary arteries, "How To" session and much more.

Once again we will be having *Hot Debates* featuring a cardiologist and a cardiac surgeon debating forms of management, and the popular session "*My Nightmare Case in the Cath Lab.*" There will be daily breakout sessions for all professionals who work in Pediatric and Adult Cardiology, the catheterization lab and operating room.

Please be sure to visit all of our exhibitors. The Exhibit Hall will be in Hall 2 and will be open daily throughout the program. The PICS Hospitality desk will be located outside Hall D.

We hope you enjoy the program, and we look forward to seeing you next year in Chicago for PICS~AICS 2010, July 18-21, 2010.

Sincerely,

Ziyad M. Hijazi, MD
William E. Hellenbrand, MD
John P. Cheatham, MD
Carlos Pedra, MD
Geoffrey K. Lane, MBBS
(Course Directors)

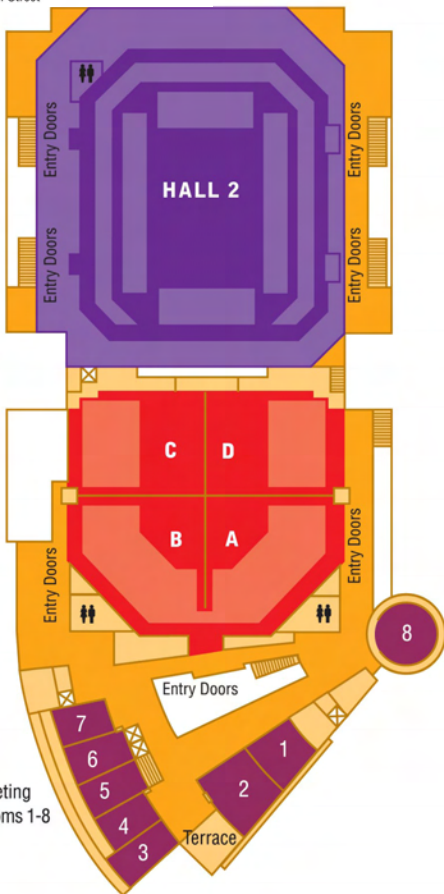
Zahid Amin, MD
(Course Co-Director)

Hartley Street



EXHIBITION LEVEL

Wharf Street



MEZZANINE LEVEL

Course Directors

Ziyad M. Hijazi, MD, MPH
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Royal Children's Hospital
Melbourne, Australia

Zahid Amin, MD (Co-Director)
Director, Cardiac Catheterization Laboratory
Rush Center for Congenital & Structural Heart Disease
Rush University Medical Center
Chicago, IL USA

Invited Faculty

Teiji Akagi, MD; BG Alekyan, MD; Mazeni Alwi, MD; David Balzer, MD; Lee Benson, MD; Felix Berger, MD; Philipp Bonhoeffer, MD; Elchanan Bruckheimer, MD; Redmond Burke, MD; Gianfranco Butera, MD; Qi-Ling Cao, MD; Jae Young Choi, MD; Bharat Dalvi, MD; J V De Giovanni, MD; Makram Ebeid, MD; Ali El Halabi, MD; Horacio Faella, MD; Craig Fleishman, MD; Simone Fontes-Pedra, MD; Thomas Forbes, MD; Yun-Ching Fu, MD; M. Omar Galal, MD; Mark Galantowicz, MD; Ricardo Gamboa, MD; Wei Gao, MD; Miguel Granja, MD; Mary Heitschmidt, RN, APN, MS, CCRN; Sharon Hill, RN, MSN, ACNP-BC; Eric Horlick, MD; Stephen Horton, PhD; Michel Ilbawi, MD; Frank Ing, MD; Thomas Jones, MD; Saibal Kar, MD; Cliff Kavinsky, MD; Seong-Ho Kim, MD, PhD; Krishna Kumar, MD; Larry Latson, MD; Trong-Phi Le, MD; James E. Lock, MD; Audrey Marshall, MD; Jozef Masura, MD; Tarek Momenah, MD; John W. Moore, MD; Toshio Nakanishi, MD; Kathleen Nolan, RT (R) CV; Alejandro Peirone, MD; Jennie Peterson, RN, MS, CNS; Shakeel A. Qureshi, MD; John Rhodes, MD; Jonathan Rome, MD; Raymond Romero, MA; Peter Ruygrok, MD; Masood Sadiq, MD; Dietmar Schranz, MD; Horst Sievert, MD; Lars Sondergaard, MD; Andrew Taylor, MD; Michael Tynan, MD; Paul Weinberg, MD; Gil Wernovsky, MD; James L. Wilkinson, MBBS; Nigel Wilson, MD; Evan Zahn, MD; Peter Zartner, MD

Sunday, June 21, 2009

Main Session Hall D

Morning Session: Moderators: *Ziyad M. Hijazi, William E. Hellenbrand & Michael Tynan*

6:30-8:00 am - Continental Breakfast Available - Hall 2

6:30 am-5:00 pm - Exhibits Open - Hall 2

7:00 am-8:00 pm - Registration Cairns Convention Center

8:00-8:10 am - Welcome

8:10-9:40 am - Branch Pulmonary Artery Stenosis

- **8:10-8:30 am** - 1. Evaluation of Patients: Different Diagnostic Modalities - *Lee Benson*
- **8:30-8:50 am** - 2. Balloon Angioplasty: Have We Made Any Progress Over the Last 5 Years? - *Larry Latson*
- **8:50-9:10 am** - 3. Stent Implantation: Technical Considerations - Choice of Stents & Delivery Systems - *James E. Lock*
- **9:10-9:30 am** - 4. Long-term Outcome of Stents in PA's - *Lee Benson*
- **9:30-9:50 am** - 5. Surgical Techniques and Outcome - *Redmond Burke*
- **9:50-10:10 am** - 6. Intra-operative Stenting - *Redmond Burke*

10:10-10:30 am - Coffee Break & Visit Exhibits - Hall 2

10:30 am-12:30 pm - Live Cases #1: Kuala Lumpur, India & Saudi Arabia - Panelists: *Wei Gao, BG Alekyan & Zahid Amin*

12:30-1:30 pm - Lunch Available in Hall 2

12:30-2:00 pm - Lunch Session: My Nightmare Cases in the Cath Lab - Hall D - Moderators: *Gil Wernovsky & Ricardo Gamboa*

Afternoon Session: Moderators: *Carlos Pedra, John P. Cheatham & Geoff Lane*

2:00-3:30 pm - Live Cases #2: Saudi Arabia, Kuala Lumpur & India - Panelists: *Bharat Dalvi, Cliff Kavinsky & Larry Latson*

3:00-5:00 pm - Breakout Session: Nursing & Technologists - Meeting Rooms 1 & 2 - Moderators: *Sharon Hill, Kathleen Nolan*

- **3:00-3:20 pm** - 1. Understanding Hemodynamics and Calculations - *Sharon L. Hill, RN, MSN, ACNP-BC*
- **3:20-3:40 pm** - 2. Obtaining Vessel Access and Closure in the Cath Lab - *Jennie Peterson, RN, MS, CNS*
- **3:40-4:00 pm** - 3. Complications and Other Hazards - *Kathleen Nolan, RT(R) CV*
- **4:00-4:20 pm** - 4. Family Involvement in Procedures in the Cath Lab - *Mary Heitschmidt, RN, APN, MS, CCRN*
- **4:20-4:40 pm** - 5. ECMO in the Cath Lab - How To Get Patients In and Out Safely - *Stephen B Horton, PhD, CCP (Aus), CCP(USA), FACBS*
- **4:40-5:00 pm** - Panel Discussion

3:30-5:00 pm - Live Cases #3: Saudi Arabia, India, Kuala Lumpur - Panelists: *Mark Galantowicz, Nigel Wilson & Masood Sadiq*

PICS ~AICS SCIENTIFIC PROGRAM

3:30-4:30 pm - Coffee Available - Hall 2

5:00-6:00 pm - Workshop: Percutaneous Pulmonary Valve Therapy

- **5:00-5:20 pm** - 1. Who Would Benefit from this Therapy? Indications & Evaluation for Eligible Patients - *James Lock*
- **5:20-5:40 pm** - 2. Melody Valve: Technical Considerations & Outcome - *Philipp Boehnhoefter*
- **5:40-6:00 pm** - 3. Edwards SapienT THV: Technical Considerations & Outcome - *Ziyad M. Hijazi*

6:00 pm - Adjourn

6:30-8:30 pm - Official Welcoming Ceremony WCPCCS - Hall 2 - Cairns Convention Center - Exhibits Open

ACKNOWLEDGEMENTS

PICS~AICS 2009, wishes to gratefully thank the following sponsors for their support of this year's program.

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PICS ~AICS is approved for up to 30 credits by the Centre for Continuing Medical Education ("CME"). The Centre for CME, Faculty of Medicine, McGill University is fully accredited by the Committee on Accreditation of Canadian Medical Schools and through the (CACMS) is accredited to award AMA PRA category 1 credits.

This event is an Accredited Group Learning Activity as defined by the Maintenance of Certification program of the Royal College of Physicians and Surgeons of Canada.

The Centre for CME, Faculty of Medicine, McGill University designates this activity for Category 1 credit towards the AMA Physicians Recognition Award up to the maximum number of credit hours noted above. Each physician should claim only those hours of credit that he/she actually spent at the educational activity.

**Please check with the Welcome Desk for any last minute changes.*

Monday, June 22, 2009

Main Session Hall D

6:00-7:45 am - Continental Breakfast - Hall 2

6:00 am-5:00 pm - Exhibits Open - Hall 2

7:00 am-5:30 pm - Registration Cairns Convention Center

6:30-7:45 am - Breakfast Sessions

- **A. Workshop: Comprehensive Intracardiac Echocardiography for the Interventionalist**
 - Moderators: *Qi-Ling Cao & Craig Fleishman*
 - **6:30-6:50 am** - 1. How to Interrogate the Atrial Septum in Patients With ASDs/PFOs - *Zahid Amin*
 - **6:50-7:10 am** - 2. Advanced ICE Technique: Pulmonary Valve Replacement, Mitral Valvuloplasty, etc. - *Ziyad M. Hijazi*
 - **7:10-7:30 am** - 3. Comparison Between ICE & TEE to Guide ASD Device Closure in Small Children - *Yun-Ching Fu*
- **B. "HOW TO:"** Moderators: *Tom Jones & Miguel Granja*
 - **6:30-6:45 am** - 1. Do Trans-septal Puncture - *John P. Cheatham*
 - **6:45-7:00 am** - 2. Perform Pericardiocentesis - *Seong-Ho Kim*
 - **7:00-7:15 am** - 3. Perform Transhepatic Cardiac Catheterization - *Makram Ebeid*
 - **7:15-7:30 am** - 4. Be Most Efficient With Limited Resources - *Bharat Dalvi*

Morning Session: Moderators: *Ziyad M. Hijazi, William E. Hellenbrand & Geoff Lane*

8:00-10:00 am - Main Session Workshop: The Atrial Septum

- **8:00-8:12 am** - 1. Anatomic Correlation - *Paul Weinberg*
- **8:12-8:22 am** - 2. Echocardiographic Correlation - *Craig Fleishman*
- **8:22-8:37 am** - 3. Erosions: Every Interventional Cardiologists Nightmare! - *Zahid Amin*
- 4. Step-by-Step Closure of ASDs Using Various Devices:
 - **8:37-8:47 am** - a. The BioStar/BioTrek - *JV De Giovanni*
 - **8:47-8:57 am** - b. The Cardia Atrisept Device - *Thomas Forbes*
 - **8:57-9:07 am** - c. The Helix Device - *Thomas Jones*
 - **9:07-9:17 am** - d. The Figulla-Occlutech Device - *Carlos Pedra*
 - **9:17-9:27 am** - e. The PFM Device - *Miguel Granja*
 - **9:27-9:37 am** - f. The Amplatzer Device - *David Balzer*
- **9:37-9:47 am** - 5. Long-term Outcome of ASD Device Closure - *Jozef Masura*
- **9:47-9:57 am** - Q&A

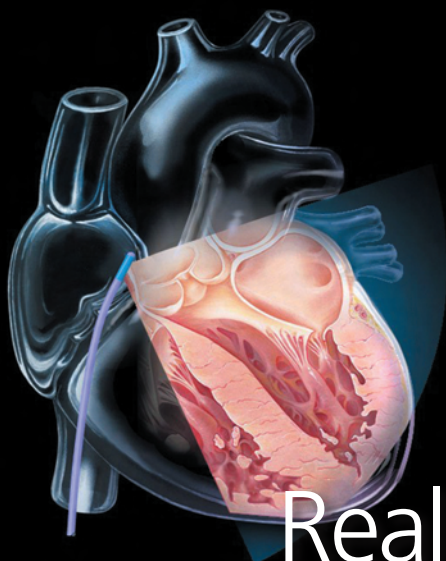
10:00-10:30 am - Coffee Break & Visit Exhibits - Hall 2

10:30 am-12:30 pm - Live Cases #1: Japan, Seoul, Berlin

Panelists: *Tom Forbes, Yun-Ching Fu & Philipp Bonhoeffer*

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12:30-2:00 pm - Lunch Session - Meeting - Hall D

• Structural Heart Disease Intervention -

Moderators: *Bagrat Alekryan, John Cheatham & Eric Horlick*

- **12:30-12:55 pm** - Percutaneous Aortic Valve Therapies: State-of-the-Art Overview - *Eric Horlick*
- **12:55-1:20 pm** - Mitral Valve Regurgitation: Percutaneous Therapies - State-of-the Art - *Saibal Kar*
- **1:20-1:45 pm** - Heart Failure Monitoring Devices: Where are We? Where are We Heading? - *Saibal Kar*
- **1:45-2:00 pm** - Q&A

12:30-1:30 pm - Lunch Available & Visit Exhibits - Hall 2

Afternoon Session - Hall D: Moderators: *Carlos Pedra, John P. Cheatham & Horacio Faella*

2:00-3:30 pm - Live Cases #2: Japan Seoul & Berlin -

Panelists: *David Balzer, Seong-Ho Kim, Ricardo Gamboa & Ali El Halabi*

3:30-4:00 pm - Coffee Available - Hall 2

4:00-5:00 pm - Live Cases #3: Berlin - Panelists: *Alejandro Peirone, Toshio Nakanishi, Wei Gao & Jonathan Rome*

5:00-6:15 pm - The Ventricular Septum

- **5:00-5:14 pm** - 1. Anatomic Correlation - *Paul Weinberg*
- **5:14-5:26 pm** - 2. Echocardiographic Correlation - *Simone Fontes-Pedra*
- 3. Debate: PMVSD:
 - **5:26-5:36 pm** - Surgical Closure of PMVSD Should be the Standard! - *Michel Ilbawi*
 - **5:36-5:46 pm** - Device Closure of PMVSD in Select Patients Is as Good If Not Better Than Surgery! - *Gianfranco Butera*
 - **5:46-5:52 pm** - Rebuttal & Questions
- **5:52-6:04 pm** - 4. Percutaneous Device Closure of Muscular VSD's - *JV De Giovanni*
- **6:04-6:16 pm** - 5. Periventricular Device Closure of VSD - *Jozef Masura*

6:20 pm - Adjourn

NOTES



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SAVE THE DATE | JULY 18–21, 2010

CHICAGO



PICS-AICS Pediatric and Adult Interventional Cardiac Symposium

2010

Tuesday, June 23, 2009

Main Session Hall D

6:30 -7:45 am - Continental Breakfast Available - Hall 2

6:30 am-5:00 pm - Exhibits Open - Hall 2

7:00 am-5:30 pm - Registration Cairns Convention Center

Morning Session: Moderators: *John Rhodes, Nigel Wilson & Horacio Faella*

8:00-8:50 am - Embolization Therapy

- **8:00-8:20 am** - 1. Embolization Therapy for Pulmonary AVM's and Aorto-pulmonary Collaterals - *Shakeel Qureshi*
- **8:20-8:35 am** - 2. Coronary AV Fistulas: Closure Technique & Results - *Eric Horlick*
- **8:35-8:50 am** - 3. Retrieval of Embolized Foreign Bodies! - *John W. Moore*

8:50-9:35 am - Live Cases #1: Melbourne - Panelists: *Miguel Granja, Audrey Marshall & Masood Sadiq*

9:40-11:00 am - Coarctation of the Aorta

- **9:40-9:55 am** - 1. Imaging of the Aortic Arch - *Andrew Taylor*
- **9:55-10:10 am** - 2. Balloon Angioplasty: Technique & Long-term Outcome - *Omar Galal*
- **10:10-10:25 am** - 3. Stent Implantation: Technique & Long-term Outcome - *Horst Sievert*
- **10:25-10:40 am** - 4. Intervention for Complex Arch Hypoplasia - *John P. Cheatham*
- **10:40-10:55 am** - 5. New Stent Technologies - *Peter Zartner*

11:00-11:15 am - Coffee Break & Visit Exhibits - Hall 2

11:15 am-12:00 pm - Live Cases #2: Melbourne - Panelists: *Elchanan Bruckheimer, Makram Ebeid & Dietmar Schranz*

12:00-1:00 pm - Lunch Available - Hall 2

12:00-2:00 pm - Lunch Session - Hall D

- **The Sick Neonate, PDA Closure & PICS Achievement Award** - Moderators: *William E. Hellenbrand & Gianfranco Butera*
 - **12:00-12:20 pm** - 1. Evaluation of The Sick Neonate Pre and Post Cardiac Intervention: Intensivist Perspective - *Gil Wernovsky*
 - **12:20-12:40 pm** - 2. Catheter Intervention for Left Heart Obstructive Lesions - *Audrey Marshall*
 - **12:40-1:00 pm** - 3. The Surgeon's Role in the Above - *Michel Ilbawi*
 - **1:00-1:20 pm** - 4. Devices for PDA Closure - *Trong-Phi Le*
 - **1:20-1:40 pm** - 5. Coils Including pfm Nit Occlud - *Alejandro Peirone*

Afternoon Session: Moderators: *Horst Sievert, Evan Zahn & Shakeel Qureshi*

2:00-2:40 pm - Live Cases #3: Melbourne - Panelists: *Larry Latson, Frank Ing, Peter Zartner & Saibal Kar*

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PICS ~AICS SCIENTIFIC PROGRAM

2:40-3:25 pm - Critical PS-PA/IAS: State-of-the-Art

- **2:40-2:55 pm** - 1. Diagnostic Evaluation Before Treatment: Decision Making - *Craig Fleishman*
- **2:55-3:10 pm** - 2. Indications and Interventional Management: Results In Critical PS - *Elchanan Bruckheimer*
- **3:10-3:25 pm** - 3. Indications and Interventional Management: PA/IAS - *Shakeel Qureshi*

3:00-4:30 pm - Coffee Available - Hall 2

3:25-4:25 pm - Hybrid Management of HLHS

- **3:25-3:40 pm** - 1. Pathology Demonstration - *Paul Weinberg*
- **3:40-3:55 pm** - 2. Echocardiographic Evaluation - *Simone Fontes-Pedra*
- 3. Geographical Approach & Outcome
 - **3:55-4:10 pm** - A. Giessen - *Dietmar Schranz*
 - **4:10-4:25 pm** - B. Columbus - *Mark Galantowicz*

4:25-4:55 pm - The Coronary Arteries: What Does The Pediatric Cardiologist Need To Know?

- **4:25-4:40 pm** - 1. Angiographic Assessment of the Coronary Arteries - *Clifford Kavinsky*
- **4:40-4:55 pm** - 2. Post Kawasaki Disease: How to Follow These Patients - *Toshio Nakanishi*

4:55-6:00 pm - New Imaging Techniques in The Structural Heart Lab - Moderators: *Evan Zahn & Michael Tynan*

- **4:55-5:07 pm** - 1. Introduction: We've Come a Long Way Baby! - *Evan Zahn*
- **5:07-5:19 pm** - 2. The Use of CT Angiography in the Cardiac Catheterization Laboratory - *Jonathan Rome*
- **5:19-5:31 pm** - 3. Initial Experience with a Combined Cardiac Cath Lab/MRI Suite: Is There a Role? - *Lee Benson*
- **5:31-5:43 pm** - 4. The Future Role of Echocardiography in the Cath Lab: 3D, 4D and Beyond - *Craig Fleishman*
- **5:43-5:56 pm** - 3D Angiography: What is it and How Can it Help Us? - *Evan Zahn*

6:00 pm - Closing Remarks

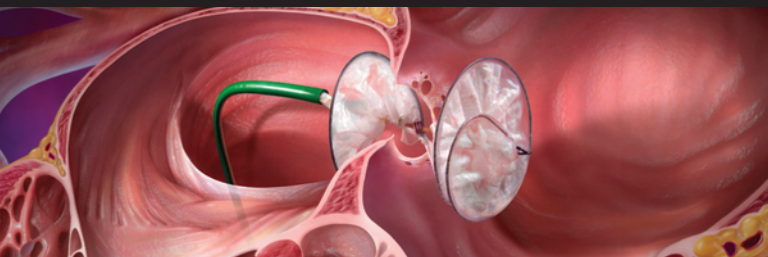
6:45-10:00 pm - Industry Sponsored Dinner Symposium - Sebel Hotel Ballroom - Moderators: *William Hellenbrand, Lars Sondergaard & Peter Ruygrok*

PFO: Stroke & Migraine:

- 1. Echocardiographic Assessment of PFOs - *Simone Fontes-Pedra*
- 2. Available PFO Devices: Update
 - a. AGA Device: *Eric Horlick*
 - b. Coherex Flatstent: *Peter Ruygrok*
 - c. Gore: *Cliff Kavinsky*
 - d. NMT: *JV De Giovanni*
 - e. Occlutech: *Carlos Pedra*
 - f. Pfm: *Trong-Phi Le*
 - g. St Jude & Other Devices: *Horst Sievert*
- 3. Technical Steps in Closing Straightforward & Complex PFO's - *Gianfranco Butera*
- 4. Left Atrial Appendage Closure - *Horst Sievert*
- 5. Randomized Trials for Stroke & Migraine: Where Are We? - *John Rhodes*

LIVE CASE PRESENTATION:

Closure of an ostium secundum ASD with the GORE HELEX Septal Occluder



Presented By Geoffrey Lane, MD
Royal Children's Hospital, Melbourne Australia

During the Main Session
8:00 – 8:45 am
June 23, 2009

VISIT BOOTH #21 FOR ADDITIONAL CASE STUDIES AND RECEIVE A USB PEN:



Use it to *write* or to *watch* these featured presentations:

ASD Closure Case Study

John Rhodes, MD
Duke University Medical Center
Raleigh, North Carolina, USA

PFO* Closure Case Study

Neil Wilson, MD
John Radcliffe Hospital
Oxford, UK

* **Caution:** Investigational Device. Limited by United States Law to Investigational Use for the Indication of Patent Foramen Ovale (PFO).

Indications for Use in the US: The GORE HELEX Septal Occluder is a permanently implanted prosthesis indicated for the percutaneous, transcatheter closure of ostium secundum atrial septal defects (ASDs).
Indications for Use Outside the US: The GORE HELEX Septal Occluder is a permanently implanted prosthesis indicated for the percutaneous, transcatheter closure of atrial septal defects (ASDs), such as ostium secundum and patent foramen ovale. Refer to *Instructions for Use* at goremedical.com for a complete description of all contraindications, warnings, precautions and adverse events. Rx Only

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