



# PICS-AICS

Pediatric and Adult Interventional Cardiac Symposium

## BOSTON 2011

THE MOST COMPREHENSIVE SYMPOSIUM WORLDWIDE IN THE  
FIELD OF INTERVENTIONAL THERAPIES FOR CONGENITAL  
AND STRUCTURAL HEART DISEASE IN CHILDREN AND ADULTS

# Pocket Guide Syllabus



**COURSE DIRECTORS:** Ziyad M. Hijazi, MD, John P. Cheatham, MD,  
Carlos Pedra, MD & Thomas K. Jones, MD

July 24-27, 2011  
Westin Boston Waterfront  
Boston, MA

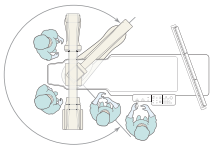
Published by

**CONGENITAL CARDIOLOGY TODAY**  
[www.CongenitalCardiologyToday.com](http://www.CongenitalCardiologyToday.com)



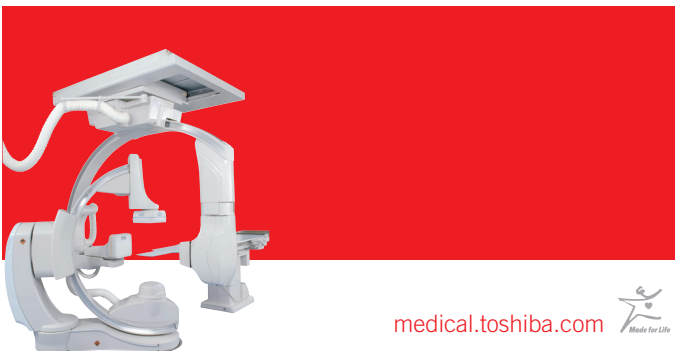
# The smallest lives often need the greatest access.

*(Our Infinix™-i cath lab provides you the vital room to operate.)*



The slender c-arms of our Infinix-i cath lab positioners were built with design input from leading pediatric clinicians, not just engineers in faraway laboratories. Those arms are

intricate mechanisms that articulate into optimal positions, yet are simple enough to be driven with one hand. They can be maneuvered in the perfect place, out of the way but right where your team needs them for the best possible access to the patient. Discover how Infinix-i can provide the room you need to operate. Get more details at [www.medical.toshiba.com](http://www.medical.toshiba.com).



## WELCOME TO PICS~AICS



Dear Colleagues,

Welcome to the *Pediatric and Adult Interventional Cardiac Symposium 2011 – PICS~AICS 2011* being held at the breathtaking Westin Boston Waterfront, in the historic city of Boston. This is truly a landmark year for our meeting. The first PICS meeting took place in Boston 14 years ago, and since that time the meeting has travelled the globe and grown into a world renowned conference, setting the standard for education, collaboration and interaction of friends and colleagues working in the fields of congenital and structural heart disease.

This meeting has become the standard-bearer for *live case demonstrations*, beamed from multiple international venues, with experienced operators demonstrating the latest in medical device technology, using approved and investigational devices/valves/stents etc. *PICS~AICS* will also give the attendees a unique opportunity to interact with a distinguished faculty during didactic lectures, interactive discussions, workshops, and smaller breakout sessions.

Special sessions this year will provide an in-depth focus on transcatheter management of disease entities such as *right and left ventricular outflow tract obstruction* and *coarctation of the aorta* from the neonate or, in some cases the fetus, up to adult. Other specialist sessions will include *transcatheter management of the adult with complex congenital heart disease* and a session dedicated to *complex patient management issues* with involvement from specialist patient groups. We will deal with specific problems highlighted by from previous year's evaluations relating to *percutaneous mitral, pulmonary and aortic valve therapies* and evaluate the *most up-to-date relevant clinical trial data*. We also have a *special PFO Summit in collaboration with the PFO Research Foundation* with world-renowned speakers highlighting the complexity of managing the pathology associated with PFO. We have one day dedicated to the field of *IMAGING* to discuss in depth each imaging modality and its role in: pre-selecting the appropriate patient, guiding the interventional procedure, assessing the immediate outcome, and evaluating the follow-up of our patients.

Once again, we will be having daily *"Hot Debates"* to assist in teasing out some of the difficult choices that present themselves in everyday practice, and the popular session *"My Nightmare Case in the Cath Lab."* There will be daily breakout sessions with a new session this year for fellows-in-training and we will continue our popular session, *"Meet the Experts,"* so please bring cases to discuss as experiential learning is vital to our growing subspecialty.

Oral Abstract Sessions will be on Sunday afternoon. Poster Abstracts will be displayed throughout the meeting in the Galleria Exhibit Hall. A prize will be given to the best oral abstract presentation.

For your convenience, the CME / Attendance evaluation will be available online. A certificate will be provided via email upon completion of the conference evaluation. Further instructions are in the folder in your conference bag. To obtain your Nursing CEU

certificate, please return your course evaluation to the CEU desk located in the Grand Ballroom Foyer.

We feel confident that you will be more than pleased with this year's program and the time you spend here in the beautiful city of Boston.

We hope that you will plan to join us for *PICS~AICS 2012*, April 15-18 at the Marriott Chicago Downtown.

If we may be of any help, do not hesitate to ask any of us.

Sincerely,

### Course Directors

*Ziyad M. Hijazi, MD*

*John P. Cheatham, MD*

*Carlos Pedra, MD*

*Thomas K. Jones, MD*



Rush Center for Congenital  
and Structural Heart Disease



**ASE** American Society of  
Echocardiography  
*Heart & Circulation Ultrasound Specialists*

### Accreditation

The Society for Cardiovascular Angiography and Interventions (SCAI) is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians. SCAI designates this educational activity for a maximum of 36.25 AMA PRA Category 1 Credits. Physicians should only claim credit commensurate with the extent of their participation in the activity.

Rush University College of Nursing is an approved provider of continuing nursing education by the Illinois Nurses Association, an accredited approver by the American Nurses Credentialing Center's Commission on Accreditation.

This CNE activity is being offered for 42.25 contact hours



# PICS Foundation

PEDIATRIC AND ADULT INTERVENTIONAL CARDIAC SYMPOSIUM

The purpose of the PICS Foundation is to educate physicians and healthcare professionals involved in the care of children and adults with congenital and structural heart disease in the latest advances in the field of interventional therapies for congenital and structural cardiac defects. The Foundation provides educational meetings and materials to pediatric and adult cardiologists worldwide and sponsors research in the area of congenital and structural heart disease.



**Medtronic**

Continuing to provide  
options for the lifetime  
management of patients with  
congenital heart disease.



We look forward to seeing you at PICS  
to share innovative options.

Heart Valves ■ Ablation Technologies  
RVOT Conduits ■ ICDs ■ Cannulae  
Pacemakers ■ Oxygenators & Filters

## TABLE OF CONTENTS

	Page
Welcome to PICS ~ AICS	3-4
Accreditation	4
Live Cases - Summary	6
Pocket Guide Syllabus Advertisers	6
Course Directors & Faculty	8
Pre-Symposium Industry Workshops - Saturday	10
ICSCIT: Sunday Morning Meeting	11
ICSCIT: Sunday Afternoon Meeting	14
PICS: Monday Meeting	16
PICS: Monday Afternoon Breakout Sessions	17
PICS: Tuesday Morning Meeting	18
PICS: Tuesday Afternoon Meeting	19
PICS: Tuesday Afternoon Breakout Sessions	20
Acknowledgements	20
PICS: Wednesday Morning Meeting and Breakout Sessions	21
PICS: Wednesday Afternoon Meeting	22

## LIVE CASES - SUMMARY

### MONDAY, JULY 25<sup>th</sup>

- **8:30-10:30 am - Live Cases** (São Paulo, Riyadh, Giessen)
- **11:30 am-1:15 pm - Live Cases** (São Paulo, Riyadh, Giessen)
- **2:00-3:00 pm - Live Cases** (São Paulo, Riyadh)

### TUESDAY, JULY 26<sup>th</sup>

- **8:00-9:20 am - Live Cases** (New Haven, Montreal)
- **11:00 am-12:10 pm - Live Cases** (New Haven, Montreal)
- **2:00-2:45 pm - Live Cases** (Montreal)

### WEDNESDAY, JULY 27<sup>th</sup>

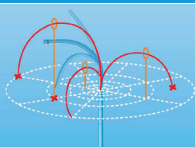
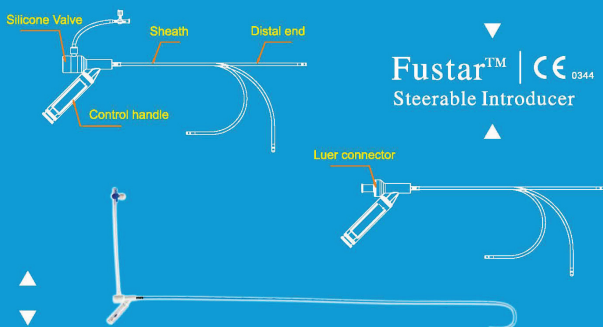
- **8:00-9:30 am - Live Cases** (Boston, Miami, St. Louis)
- **11:00 am-12:30 pm - Live Cases** (Boston, Miami, St. Louis)
- **2:00-3:30 pm - Live Cases** (Boston, Miami, St. Louis)

## Pocket Guide Syllabus Advertisers

- **BBraun** - page 24; booth 20
- **CHDVideo** (Congenital Cardiology Today) - page 7
- **Digisonics** - page 9; booth 10
- **Gore** - pages 12-13; booth 12
- **Medtronic** - page 5; booth 17
- **NuMED** - page 23; booth 36
- **PICS Foundation** - pages 4 and 18
- **Scientific Software Solutions** - page 15; booth 29
- **Toshiba Medical Systems** - page 2; booth 21

# Fustar™ Steerable Introducer

from Lifetech Scientific



## Specifications of the Fustar™ Steerable Introducer

Sheath I.D.	5F, 6F, 7F, 8F, 9F, 10F
Sheath Length	550, 700, 900 mm

## Features

1. Distal segment can be manipulated to any angle between 0° and 180°
2. Unique coil reinforced sheath with increased kink-resistance
3. Radiopaque marker band at the distal end for easy location and accurate positioning
4. PTFE inner liner for smooth device movement and reduced thrombus formation
5. Hemostatic valve design preventing blood reflux and air embolism
6. 12 Fr and 14 Fr in development

*Patents Pending*

**FDA approved for marketing in the USA**

[www.accessdata.fda.gov/cdrh\\_docs/pdf10/K100184.pdf](http://www.accessdata.fda.gov/cdrh_docs/pdf10/K100184.pdf)



**Lifetech Scientific Co.,Ltd.**

Shenzhen, Shanghai and Beijing, China

**Lifetech of America**

Los Angeles and Minneapolis, USA

**Lifetech India**

Bangalore, India

[www.Lifetechmed.com](http://www.Lifetechmed.com)



## PICS~AICS COURSE DIRECTORS & FACULTY

**Directors:** Ziyad M. Hijazi, MD, MPH, FSCAI; John P. Cheatham, MD, FSCAI; Carlos Pedra, MD; Thomas K. Jones, MD, FSCAI

**Director of Imaging Symposium:** Girish Shirali, MD

**Co-Directors:** Ted Feldman, MD, FSCAI; Zahid Amin, MD, FSCAI; Damien Kenny, MD; Giacomo Pongiglione, MD

**Director Emeritus:** William E. Hellenbrand, MD

**Guest Faculty:** Teiji Akagi, MD, FSCAI; BG Alekryan, MD, FSCAI; Andrei Alexandrov, MD; Mansour Al-Joufan, MD; Mazeni Alwi, MD; Emile Bacha, MD; David Balzer, MD, FSCAI; John Bass, MD, FSCAI; Lee Benson, MD, FSCAI; Felix Berger, MD; Jacek Bialkowski, MD; Philipp Bonhoeffer, MD, FSCAI; Soodevi Boolkah, RN, NP; Elchanan Bruckheimer, MD; Qi-Ling Cao, MD; Mario Carminati, MD, FSCAI; John Carroll, MD, FSCAI; Alpay Çeliker, MD; Francisco Chamie, MD; Jae Young Choi, MD, FSCAI; Roberto Cubeddu, MD, FSCAI; Bharat Dalvi, MD; J V De Giovanni, MD; Michael de Moor, MD, FSCAI; Pedro Del Nido, MD; Carol Devellian, BS; Makram Ebeid, MD; Maiy El Sayed, MD; Horacio Faella, MD, FSCAI; Ted Feldman, MD; David Fish, MD; Craig Fleishman, MD; Mark Fogel, MD; Simone Fontes-Pedra, MD; Thomas Forbes, MD; Stacey Froemming, MHA, RCIS; Yun Ching Fu, MD; Omar Galal, MD; Mark Galantowicz, MD, FSCAI; Wei Gao, MD; Francisco Garay, MD; Marc Gewillig, MD; Peter Goadsby, MD; Miguel Granja, MD; Donald Hagler, MD; Ali Halabi, MD; Sharon Hill, ACNP, PhD(c); Anthony Hlavacek, MD; Ralf Holzer, MD, FSCAI; Eric Horlick, MD, FSCAI; Reda Ibrahim, MD; Michel Ilbawi, MD; Frank Ing, MD, FSCAI; Ignacio Ingelessis, MD; Jill Jesurum, MD; Michael John, MPH; Annette Joseph, RN, MSM; Mansour Al-Joufan, MD; Saibal Kar, MD; Cliff Kavinsky, MD; Seong-Ho Kim, MD, PhD; Terry D. King, MD; Charles S. Kleinman, MD; Jackie Kreutzer, MD; Krishna Kumar, MD, FSCAI; Geoffrey Lane, MD; John Lasala, MD; Larry Latson, MD, FSCAI; Paul Lawrence, RCIS; Harold Lazar, MD; Trong-Phi Le, MD; Robert Lederman, MD, FSCAI; Martin Leon, MD; Daniel Levi, MD; Achiau Ludomirsky, MD; Raj Makkar, MD; Moussa Mansour MD; Gerard Martin, MD; Jozef Masura, MD, FSCAI; Doff McElhinney, MD, FSCAI; Tarek Momenah, MD; John W. Moore, MD, MPH, FSCAI; Phillip Moore, MD; Michael Mullen, MD; Charles E. Mullins, MD, FSCAI; Toshio Nakanishi, MD; Kathleen Nolan, RT; David Nykanen, MD, FSCAI; Patricia O' Brien, RN, CPNP-AC; Caitlyn O' Callaghan, RN, NP; Eustaquio Onorato, MD, FSCAI; Igor Palacios, MD, FSCAI; Xin Pan, MD; Bray Patrick-Lake; Alejandro Peirone, MD, FSCAI; Shakeel A. Qureshi, MD, FSCAI; Kanishka Ratnayaka, MD; David Reuter, MD; John Rhodes, MD; Richard Ringel, MD, FSCAI; Jonathan Rome, MD; Raymond Romero, MA; Raul Rossi, MD; Carlos E. Ruiz, MD, FSCAI; Masood Sadiq, MD; Dietmar Schranz, MD; Girish Shirali, MD; Robert Siegal, MD; Horst Sievert, MD, FSCAI; Norman Silverman, MD; Robert Sommer, MD, FSCAI; David Thaler, MD; Jonathan Tobis, MD, FSCAI; Zoltan Turi, MD, FSCAI; Mike Tynan, MD; Julie Vincent, MD, FSCAI; Robert Vincent, MD; Kevin Walsh, MD; Jou-Kou Wang, MD; Howard Weber, MD, FSCAI; Paul Weinberg, MD; Gil Wernovsky, MD; Robert White, Jr, MD; Neil Wilson, MD, FSCAI; Carlos Zabal, MD; and Evan Zahn, MD, FSCAI

*This pocket guide presents the program as of July 3rd.*

***Please check at the reception desk for any last minute changes to the schedule.***



Visit us at PICS-AICS  
Booth #10



## Never Miss a Beat!

Web-based Image Interpretation and Reporting

- Pediatric and fetal specific reports
- Trend plots with z-scores
- Configurable pediatric normal range tables
- Fully functional web-based access for image review & reporting
- HemoLink interface to hemodynamics systems
- DigiDraw - edit customizable congenital diagrams
- Auto-report dissemination
- HIPAA compliant with e-signature



**DIGISONICS**  
*Mastering the art of interpretation*

[www.digisonics.com](http://www.digisonics.com) 800-940-3240



**#1 in Cardiology\***

\*Digisonics DigiView, 2008, 2009 & 2010  
Top 20 Best in KLAS Awards: Software &  
Professional Services, [www.KLASresearch.com](http://www.KLASresearch.com)

**PRE-SYMPOSIUM INDUSTRY WORKSHOPS  
JULY 23 - SATURDAY  
Grand Ballroom - Concourse Level**

**7:30 am - Registration Opens**

**8:00-8:45 am - Continental Breakfast - Commonwealth Ballroom**

**8:45-10:45 am - Cook Medical Workshop - “TRANSSEPTAL ACCESS” - Dr. John P. Cheatham and Dr. Igor Palacois**

- Overview Presentation on Transseptal Techniques
- Practice Specific Techniques Using Simulator Models
- Review Challenging Cases
- Learn Tips & Tricks for Successful Transseptal Puncture

**10:45-11:00 am - Break - Grand Ballroom Foyer**

**11:00 am-1:00 pm - St. Jude Medical (AGA Medical) Workshop - “THE PAST, PRESENT AND FUTURE OF PEDIATRIC INTERVENTIONAL CARDIOLOGY”**

- The Trusted Device with Continued Success: AMPLATZER® Septal Occluder: *Dr. Thomas Forbes (US)*
- The New Treatment Option for Patent Ductus Arteriosus: AMPLATZER® Duct Occluder: *Dr. Kevin Walsh (IRE)*
- The Latest Technology for Perimembranous VSD Closure: AMPLATZER® Membranous VSD Occluder 2: *Dr. Jo De Giovanni (UK)*
- Discussion and Q&A

**1:00-2:00 pm - Lunch - Commonwealth Ballroom**

**2:00-4:00 pm - Gore Workshop - “PREVENTION OF STROKE.... CLINICAL TRIALS AT THE HEART OF THE MATTER”**

- Introduction / Welcome: *Dr. Ziyad M. Hijazi*
- PFO / Stroke Story: *Dr. John Rhodes*
- Overview of PFO / Stroke Studies, PFO Propensity and Recurrence Risk: *Dr. David Thaler*
- CLOSURE 1 Results Overview: *Dr. Saibal Kar*
- Impact of CLOSURE 1: *Dr. John Lasala*
- Challenges to Enrollment / Completion of Clinical Studies: *Dr. Steven Messe*
- Successful Model for Enrollment: *Dr. Lars Sondergaard*
- Patient Perspective: *Bray Patrick-Lake*
- Panel Discussion and Q&A
- Adjourn

**All PICS~AICS 2011 Evaluations Will be Done Online This Year**

*Evaluation form is available at:*

[https://www.surveymonkey.com/s/PICS\\_AICS\\_2011\\_CME](https://www.surveymonkey.com/s/PICS_AICS_2011_CME)

Published by  
**CONGENITAL CARDIOLOGY TODAY**  
[www.CongenitalCardiologyToday.com](http://www.CongenitalCardiologyToday.com)

**Imaging In Congenital And Structural  
Cardiovascular Interventional Therapies (ICSCIT)  
JULY 24 - SUNDAY MORNING  
Grand Ballroom - Concourse Level**

**Morning Session** - Course Director: *Girish Shirali* - Moderators:  
*Girish Shirali and Norman Silverman*

**6:30 am-6:00 pm** - Registration - Grand Ballroom Foyer

**7:00-7:45 am** - Breakfast - Grand Ballroom Foyer

**8:00-10:00 am** - **OVERVIEW: MODALITIES AND TEAMWORK**

- **Pre-planning:** *Girish Shirali*
- **Modalities – When and Why**
  - **TTE:** *Craig Fleishman*
  - **TEE:** *Girish Shirali*
  - **MRI:** *Mark Fogel*
  - **CTA:** *Anthony Hlavacek*
  - **ICE:** *Qui-Ling Cao*
- **Intra-procedure**
  - **What I Need From my Echocardiographer:** *Krishna Kumar*
  - **What I Need From my Interventionalist (and What I Don't Need):** *Norman Silverman*
  - **What Intensivists Need from Their Interventionalists (and What They Don't Need):** *Gil Wernovsky*
  - **What Surgeons Need from Their Interventionalists (and What They Don't Need):** *Michel Ilbawi*
- **Panel Discussion and Q&A**

**10:00-10:30 am** - Break - Grand Ballroom Foyer

**10:30-11:45 am** - **ASD AND PFO CLOSURE**

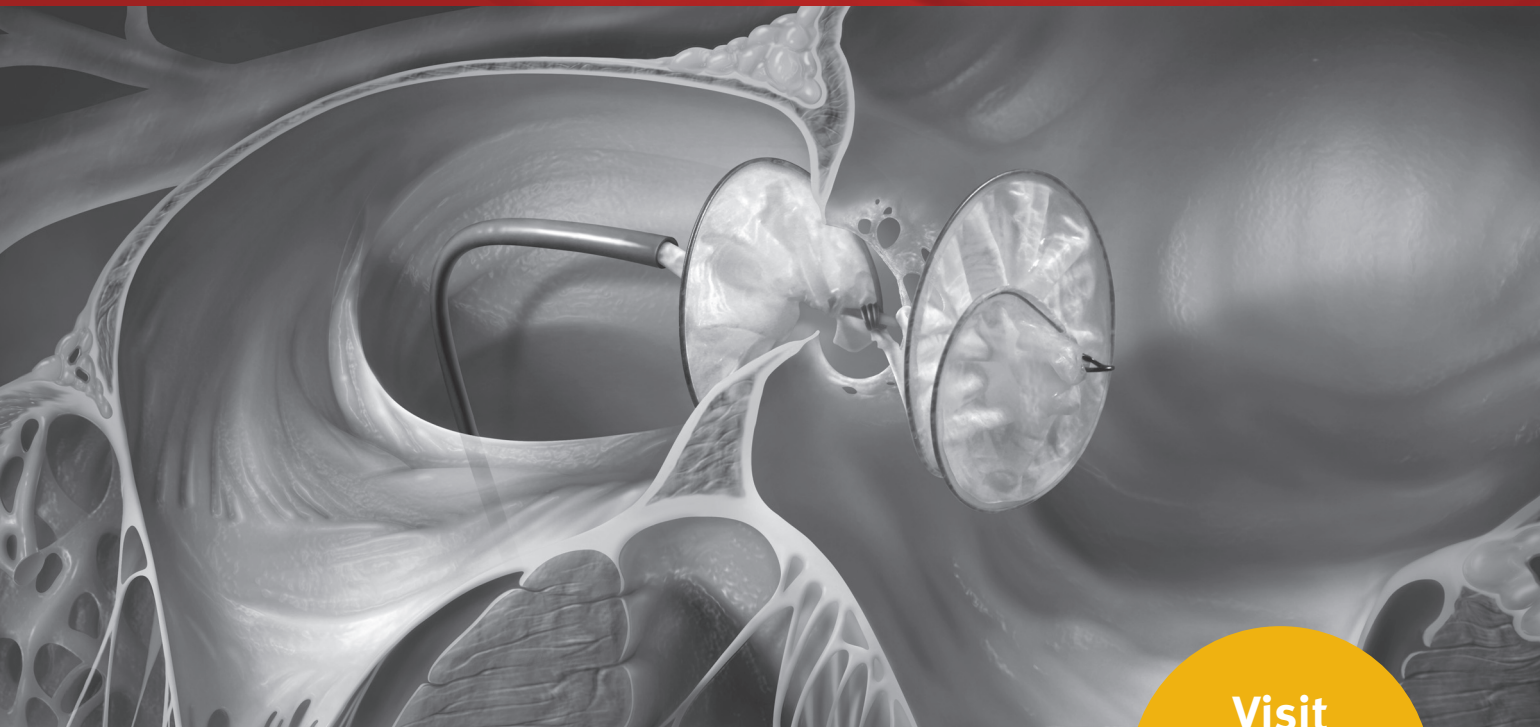
- **Morphology of the Atrial Septum:** *Paul Weinberg*
- **Pre-selection: Who is a Candidate and Who Isn't:**  
*Achi Ludomirsky*
- **Echo Appearance of Various Devices:** *Craig Fleishman*
- **Intra-procedural TEE: Role and Illustrative Case:**  
*Craig Fleishman*
- **Intra-procedural ICE: Role and Illustrative Case:** *John Rhodes*
- **Benefits of Fluoroscopy in ASD and PFO Closure:** *David Balzer*
- **Panel Discussion and Q&A**

**11:45 am -12:15 pm** - Lunch - Grand Ballroom Foyer

**12:15-1:45 pm** - Lunch Session - **VSD CLOSURE** - Moderators:  
*Craig Fleishman, Mark Fogel*

- **Morphology of the Ventricular Septum:** *Paul Weinberg*
- **Pre-selection: Who is a Candidate, and Who Isn't:**  
*Jozef Masura*
- **Echo Appearance of VSD Devices:** *Zahid Amin*
- **Intra-procedural TEE: Role and Illustrative Cases (Muscular / Membranous Cases):** *Mario Carminati*
- **Intra-procedural TEE Guidance for Periventricular VSD Closure: Role and Illustrative Case:** *Geoff Lane*
- **Post-Infarct VSD – Pre-procedural Imaging and Patient Selection:** *Jo DeGiovanni*
- **Panel Discussion and Q&A**

# Experience Performance.



Visit  
Gore at  
Booth #12


## ▶ No Erosions. No Problem.

Rest assured knowing your patient was implanted with a GORE® HELEX® Septal Occluder.

With more than 10,000 implants worldwide, Gore has not received any reports of erosion of the aortic root or the free wall of the atrium.\*

\* Data on file.

W. L. Gore & Associates, Inc. • Flagstaff, AZ 86004 • [goremedical.com](http://goremedical.com)

**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). Refer to *Instructions for Use* at [goremedical.com](http://goremedical.com) for a complete description of all contraindications, warnings, precautions and adverse events.  Only

Products listed may not be available in all markets.

GORE®, HELEX®, PERFORMANCE THROUGH EXPERIENCE, and designs are trademarks of W. L. Gore & Associates.  
©2011 W. L. Gore & Associates, Inc. AQ4588-EN1 JUNE 2011



**Imaging In Congenital And Structural  
Cardiovascular Interventional Therapies (ICSCIT)  
JULY 24 - SUNDAY AFTERNOON  
Grand Ballroom - Concourse Level**

**Afternoon Session - Moderators: Robert Siegel, Anthony Hlavacek**

**1:45-3:00 pm - PERCUTANEOUS VALVE & LAA IMAGING**

- Pre-selection of Patients for Pulmonic Valve Implantation and Post-procedural Follow-up: *Mark Fogel*
- Pre-selection of Patients & Procedural Guidance for Mitral Valve Repair: *Robert Siegel*
- Pre-selection of Patients & Procedural Guidance of TAVR: *Raj Makkar*
- LAA Closure: Pre-selection, Guidance of Procedure & Follow-up: *Saibal Kar*
- Panel Discussion and Q&A

**3:00-4:00 pm - Coffee Available - Grand Ballroom Foyer**

**3:00-3:40 pm - PARAVALVAR LEAKS**

- Pre-assessment with 2D and 3D Echo: *Robert Siegel*
- Role of CT in Evaluation: *Carlos Ruiz*
- Guidance of the Procedure: Fluoro / Echo: *Reda Ibrahim*
- Panel Discussion and Q&A

**3:40-4:05 pm - ICSCIT Debate: ICE Versus TEE for ASD Closure in Children**

- **Pro:** *Carlos Zabala*; **Con:** *Achi Ludomirsky*

**4:05-4:30 pm - 3D Rotational Angiography: Why Every Cath Lab Should Have This Modality: *Evan Zahn***

**4:30-4:40 pm - Closing Remarks for the Imaging Day: *Girish Shirali***

**4:45-6:00 pm - Oral Abstract Presentations - Concourse Level**

- Room 1 (Grand Ballroom): *Neil Wilson, Elchanan Bruckheimer, Gil Wernovsky*
- Room 2 (Commonwealth Ballroom A/B): *Daniel Levi, Frank Ing, Giacomo Pongiglione*
- Room 3 (Commonwealth Ballroom C): *Erik Horlick, John Bass, Mazeni Alwi*

**6:00-8:00 pm - WELCOME RECEPTION - Galleria Exhibit Hall - Galleria Level**

**7:00-8:00 pm - Young Interventionalist Working Group - (Commonwealth Ballroom C) - Moderators: Damien Kenny, Dan Gruenstein, Dan Levi**

**Don't Forget:**

**PICS~AICS ACHIEVEMENT AWARD  
Grand Ballroom - Concourse Level  
Monday Night - 5:30-6:15 pm**

**See us at booth #29  
and ask about...**

# **PedCath8**

## **Congenital Cath Reporting**

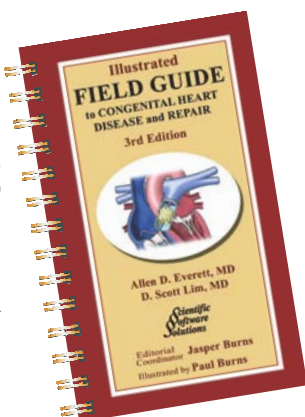
*and the*

## **IMPACT Registry™**

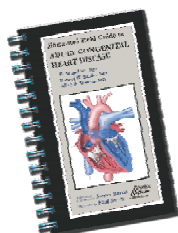
**NEW**

### **Illustrated Field Guide to CONGENITAL HEART DISEASE AND REPAIR 3rd Edition**

**Allen D. Everett, MD  
D. Scott Lim, MD**



***Companion guide for adult congenital:***



### **Illustrated Field Guide to ADULT Congenital Heart Disease**

**www.PedHeart.com  
www.PedCath.com  
800.887.5301**

**Scientific  
Software  
Solutions**

## PICS-AICS - JULY 25 - MONDAY

### Grand Ballroom - Concourse Level

**6:30 am-5:30 pm - Poster Sessions - Galleria Exhibit Hall**

**6:30-7:45 am - Continental Breakfast / Visit Exhibits - Galleria Exhibit Hall - Galleria Level**

**Morning Session - Moderators:** *Ziyad M. Hijazi, John P. Cheatham, Thomas K. Jones*

**8:00-8:15 am - Welcome to Boston: Doorway to the Past and Gateway to the Future:** *William Hellenbrand*

**8:15-8:30 am - Follow-up: Patients PICS-2010:** *Damien Kenny*

**8:30-10:30 am - Live Cases (São Paulo, Riyadh, Giessen) - Panelists:** *Teiji Akagi, Horacio Faella, Seong-Ho Kim, Doff McElhinney*

**10:30-11:00 am - Coffee Break / Visit Exhibits - Galleria Exhibit Hall - Galleria Level**

**11:00-11:30 am - Point-of-View: Live Cases in the Current Era:** *Martin Leon*

- **Discussion**

**11:30 am-1:15 pm - Live Cases (São Paulo, Riyadh, Giessen); Panelists:** *Krishna Kumar, David Nykanen, Toshio Nakanishi, Terry D. King*

**1:15-2:00 pm - Lunch Break / Visit Exhibits - Galleria Exhibit Hall - Galleria Level**

**Afternoon Session - Moderators:** *Clifford Kavinsky, Kevin Walsh, Ted Feldman*

**2:00-3:00 pm - Live Cases (São Paulo, Riyadh) - Panelists:** *Trong-Phi Le, Ignacio Ingelessis, Donald Hagler, Francisco Garay, Raul Rossi*

**3:00-4:00 pm - Coffee Available - Galleria Exhibit Hall and Grand Ballroom Foyer**

**3:00-4:00 pm - “It’s All About the Wire Position – or Is it?” – Complex Issues Facing the Interventionalist**

- **The Patient’s Perspective:** *Bray Patrick-Lake*
- **Sedation vs Anesthesia for Pediatric and Adult Interventions – When and Why?** *Robert Vincent*
- **Intensive Management of Critically Ill Infants Undergoing Catheterization:** *Gil Wernovsky*
- **Off-label Device Usage – Careful!:** *Ralf Holzer*
- **Evolving Hybrid Programs - Communication is Key!** *Mark Galantowicz*
- **Anticoagulation and Interventions – Evidence Please!** *Thomas Forbes*

**4:00-5:30 pm - Structural Heart Disease**

- **Establishing A Program For Structural Heart Disease:** *John Lasala*
- **Closure of Post-Infarct VSD’s – Limitations and Solutions:** *Jo DeGiovanni*
- **Interventions in Pregnancy:** *Igor Palacios*
- **Management of Paravalvar Leaks:**
  - **Techniques:** *Carlos Ruiz*
  - **Outcome:** *Zoltan Turi*
- **Update on Percutaneous Mitral Valve Repair:** *Saibal Kar*
- **Update on Percutaneous Aortic Valve Replacement - Time to Open the Flood Gates?** *Martin Leon*

**5:30-6:15 pm - PICS~AICS ACHIEVEMENT AWARD - Grand Ballroom - Concourse Level**

**6:30-7:30 pm - CCISC MEETING - Commonwealth “C” Ballroom**



**PICS-AICS: JULY 25 - MONDAY AFTERNOON**  
**Grand Ballroom - Concourse Level**  
**Breakout Sessions**

**3:00-5:30 pm - Breakout Session (Commonwealth Ballroom C – Concourse Level): NURSING & ALLIED HEALTH PROFESSIONALS (All conference attendees welcome) -**

Moderators: Sharon Hill, Kathleen Nolan

- **What's New in Hybrid Procedures?** John Cheatham
- **Device Closure of ASD – Chest Pain and Erosion:**  
Annette Joseph
- **Short Stay Unit in the Cath Lab Recovery Room: Solution to a Problem or Recipe for Disaster?** Patricia O'Brien
- **3-D rotational Angiography and Reconstructing Images in the Cath Lab:** Paul Lawrence
- **Coarctation, Aortic Aneurysm and Dissection in the Adult:**  
Caitlyn O'Callaghan
- **Update on Transcatheter Pulmonary Valve:** Julie Vincent
- **Single Ventricle – the UK Experience:** Soodevi Booklah
- **Frequent Flyers and Radiation... What's New for Dose Reduction?** Kathleen Nolan
- **"Analyze This" (Interactive Session):** Kathleen Nolan, Stacey Froemming, Sharon Hill

**4:00-5:30 pm - Breakout Session (Commonwealth Ballroom A/B Concourse Level): BIOENGINEERING SYMPOSIUM UPDATE -**

Moderators: David Balzer, Carol Devellian, Robert Lederman

- **What is Bench Testing? What Does it Mean for Us?**  
David Reuter
- **Biocompatibility and Human Response:** Michael John
- **Metal Occlusion Devices:** John Bass
- **Biodegradable and Patch Occlusion Devices:** Michael Mullen
- **Sutures and RF Energy:** Horst Sievert
- **Balloon and Cutting Balloon Design:** Marc Gewillig
- **Stent Design:** John Cheatham
- **Valve Design and Advances:** Philipp Bonhoeffer
- **Animal Testing:** Zahid Amin
- **Discussion**

**Don't Forget:**

**PICS~AICS 15<sup>th</sup> GALA Dinner Cruise Tuesday Night**

The Odyssey Cruise Ship will dock at the Seaport World Trade Center and is a short walk from the hotel. Motor coach transfer to the pier is available.

**7:00-7:30 pm -** Transportation to Seaport World Trade Center. Depart Hotel from the Concourse Level "D Street Door"

**7:30-8:15 pm -** Cocktails onboard the Odyssey Cruise Ship

**8:15-10:00 pm -** Dinner Cruise

**10:00-10:30 pm -** Transportation to Westin Waterfront Hotel

**PICS-AICS: JULY 26 - TUESDAY MORNING**  
**Grand Ballroom - Concourse Level**

**6:30 am-5:30 pm - Poster Sessions - Galleria Exhibit Hall**

**6:30-7:45 am - Continental Breakfast / Visit Exhibits - Galleria Exhibit Hall - Galleria Level**

**7:00-8:00 am - FELLOWS-IN-TRAINING - Moderators: Doff McElhinney, Michael Tynan, Thomas Jones**

- **The Cases I Have Learned Most From:** *Frank Ing*
- **My First Year in Practice:** *Evan Zahn*
- **If I Was Starting Now I Would....** *Julie Vincent*
- **Ten Tips for the Trainee:** *Lee Benson*
- **The Perfect CV:** *Doff McElhinney*
- **Why I Left the Cath Lab?** *Gil Wernovsky*
- **Q&A**

**Morning Session - Moderators: Ziyad M. Hijazi, Charles S. Kleinman, Mario Carminati**

**8:00-9:20 am - Live Cases (New Haven, Montreal) - Panelists: BG Alekyan, Michael deMoor, Roberto Cubeddu, Robert Siegal, Omar Galal**

**9:20-9:35 am - Closure of the Silent PDA – Indicated or Not? David Balzer**

**9:35-9:50 am - Transcatheter Tricuspid Valve Replacement: Marc Gewillig**

**9:50-10:20 am - The New AHA Guidelines for Pediatric Catheter Intervention: Translation To Clinical Practice - Round Table Discussion; Moderators: William Hellenbrand, Damien Kenny; Panelists: Evan Zahn, John Cheatham, Frank Ing, Emile Bacha, Gil Wernovsky, Teiji Akagi, Kevin Walsh, Geoff Lane, Miguel Granja**

**10:20-11:00 am - Coffee Break / Visit Exhibits - Galleria Exhibit Hall - Galleria Level**

**11:00 am-12:10 pm - Live Cases (New Haven, Montreal) - Panelists: Robert Vincent, Carlos Zabala, Howard Weber, Jou-Kou Wang, Miguel Granja**

**12:10-12:45 pm - Oral Abstract Finals: Daniel Levi, Neil Wilson, Maezni Alwi**

**12:10-12:45 pm - Lunch Boxes Available - (Galleria Exhibit Hall and Grand Ballroom Foyer)**

**1:00-2:00 pm - Lunch Session (“My Nightmare Case in the Cath Lab”) - Moderators: Neil Wilson, Frank Ing; Michael Tynan**



**PICS Foundation**

PEDIATRIC AND ADULT INTERVENTIONAL CARDIAC SYMPOSIUM

The purpose of the PICS Foundation is to educate physicians and healthcare professionals involved in the care of children and adults with congenital and structural heart disease in the latest advances in the field of interventional therapies for congenital and structural cardiac defects. The Foundation provides educational meetings and materials to pediatric and adult cardiologists worldwide and sponsors research in the area of congenital and structural heart disease.

## PICS-AICS - JULY 26 - TUESDAY AFTERNOON Grand Ballroom - Concourse Level

**Afternoon Sessions** - Moderators: John Cheatham, Erik Horlick, Larry Latson

**2:00-2:45 pm** - Live Cases (Montreal) - Panelists: Geoff Lane, Eustaquio Onorato, Mansour Al-Joufan, Wei Gao, Young Choi

**2:45-4:15 pm** - Coarctation of the Aorta – Infant to Adult

- Transcatheter Alternatives to Surgery in Sick Neonates with CoA: Giacomo Pongiglione
- Coarctation in the Setting of HLHS – When to Intervene? Ralf Holzer
- Management of Complex Arch Obstructions in Children: Phillip Moore
- Bare Metal vs Covered Stents – When and Why? Elchanan Bruckheimer
- Long-term Effects of Coarctation Stenting: Mike Mullen
- Optimal Follow-up Imaging – CT vs MRI: Mark Fogel
- Debate: There is No Place for Surgical Repair of Coarctation in Children Eligible for Stenting
  - Pro: John W. Moore; Con: Michel Ilbawi

**3:00-4:00 pm** - Coffee Available - Galleria Exhibit Hall and Grand Ballroom Foyer

**Late Afternoon Session** - Moderators: Ziyad M. Hijazi, Robert Sommer, Peter Goadsby

**4:15-5:15 pm** - The Heart Brain Symposium

- Anatomical Considerations for LAA Occlusion: John Carroll
- LAA Occlusion - Realistic Alternative to Ablation? Moussa Mansour
- Currently Available Devices and Technical Considerations: Horst Sievert
- Stroke Risk with Small ASDs: Robert Sommer
- Management Strategies to Prevent Thromboembolic Stroke Following Percutaneous Left Heart Valvar Interventions in the Adult: Ted Feldman

**5:15-6:45 pm** - PFO Summit 2011

- Cognitive Impairment in Patients with R-to-L-Shunting: Jill Jesurum
- Guidelines and Standards for Echo in Diagnosis of PFO and Quantification of Shunting: John Carroll
- How to Use TCD for the Diagnosis, Quantification and Management of PFO: Andrei Alexandrov
- Management of the Top Ten Post PFO / ASD Closure Problems: John Rhodes
- How Does a Neurologist Determine that a PFO Caused a Stroke? David Thaler
- What Makes a Neurologist Suspect That a Migraineur May Benefit from PFO Closure? Peter Goadsby
- How to Respond to the Colleague Who Says, "CLOSURE Ended PFO Closure Therapy" Jonathan Tobis
- Round Table Discussion: PFO Closure for Migraine and a Stroke: John Rhodes, Peter Goadsby, David Thaler, Ted Feldman, John Carroll

**PICS~AICS 15<sup>th</sup> GALA Dinner Cruise** - The Odyssey Cruise Ship will dock at the Seaport World Trade Center, a short walk from the hotel. Motor coach transfer to the pier is available.

**7:00-7:30 pm** - Transportation to Seaport World Trade Center. Depart Hotel from the Concourse Level "D Street Door"

**7:30-8:15 pm** - Cocktails onboard the Odyssey Cruise Ship

**8:15-10:00 pm** - Dinner Cruise Onboard

**10:00-10:30 pm** - Transportation to Westin Waterfront Hotel

## PICS-AICS - JULY 26 - TUESDAY AFTERNOON Grand Ballroom - Concourse Level Breakout Sessions

### 4:15-5:15 pm - Breakout Session - "Meet the Experts"

- **Room 1 (Commonwealth Ballroom A):** *Chuck Mullins, Michael Tynan, Larry Latson*
- **Room 2 (Commonwealth Ballroom B):** *Felix Berger, Phillip Moore, Zahid Amin*
- **Room 3 (Commonwealth Ballroom C):** *Lee Benson, Mario Carminati, Horst Sievert*

## ACKNOWLEDGEMENTS

*PICS~AICS 2011 wishes to gratefully thank the following sponsors for their support of this year's program.*

### Platinum Sponsors

- Biosense Webster Inc. (A J&J Co.)
- Cook Medical
- Edwards Lifesciences
- Gore
- Medtronic, Inc.
- NuMed, Inc.
- Occlutech
- Rush University Medical Center
- Siemens Healthcare
- St. Jude Medical (AGA Medical)
- Toshiba Medical Systems, Inc.

### Gold Sponsors

- B.Braun Interventional Systems, Inc.
- pfm Medical

### Silver Sponsors

- Philips Healthcare

### Bronze Sponsors

- Acist Medical Systems / Bracco Diagnostics
- Baylis Medical
- Cardiotext Publishing
- Coherex
- Digisonics, Inc.
- Hemcon Medical Technologies, Inc.
- Lifetech Scientific
- Mednet Healthcare Technologies, Inc.
- Merit Medical
- Mobile Aspects
- Lippincott Williams & Wilkins
- Scientific Software Solutions

### Unrestricted Educations Grants

- Abbott Laboratories
- Atrium Medical
- Baylis Medical
- Boston Scientific

- Cook Medical
- Edwards Lifesciences
- Gore
- Merge Healthcare
- The Medicines Company
- pfm Medical
- St. Jude Medical
- Terumo Medical Corp.
- Toshiba America Medical Systems, Inc.

### PICS~AICS Also Thanks

- American College of Cardiology
- American College of Echocardiography
- Congenital Cardiology Today
- Catheterization & Cardiovascular Interventions
- The Society for Cardiovascular Angiography and Interventions (SCAI)

### 2011 Live Case Centers

- Dante Pazzanese Instituto de Cardiologia, São Paulo, Brazil
- Floating Hospital for Children, Tufts Medical Center, Boston, MA USA
- Miami Children's Hospital, Miami, FL USA
- Prince Sultan Cardiac Center, Riyadh, Saudi Arabia
- St. Louis Children's Hospital, St. Louis, MO USA
- Ste-Justine Hospital, Montreal Quebec, Canada
- University at Klinikum, Giessen, Germany
- Yale New Haven Hospital, New Haven, CT USA

## Are You the Winner of the Apple iPad 2?

Exhibit Passport Drawing for Apple iPad 2 -  
Wednesday During Closing Remarks, 4:50pm  
*Winner Must Be Present*

## PICS-AICS - JULY 27 - WEDNESDAY MORNING Grand Ballroom - Concourse Level

**6:30 am-2:00 pm - Poster Sessions - Galleria Exhibit Hall**

**6:30-7:45 am - Continental Breakfast / Visit Exhibits - Galleria Exhibit Hall - Galleria Level**

**Morning Session:** Moderators: *Carlos Pedra, Mike Tynan, Mike Mullen*

**8:00-9:30 am - Live Cases** (Boston, Miami, St Louis); Panelists: *Yun Ching Fu, Kevin Walsh, Maïy El Sayed, Horacio Faella*

**9:30-10:45 am - RVOT – From Fetus to the Adult**

- **Transcatheter Management Strategies in Pulmonary Atresia – a Modern Approach:** *Mazeni Alwi*
- **Transcatheter Treatment Options for Tetralogy of Fallot in Infancy:** *Dietmar Schranz*
- **Tetralogy Surgery Using Intra-Operative Balloons:** *Emile Bacha*
- **Pulmonary Artery Stenting in Patients with Pulmonary Regurgitation – Avoiding Embolization:** *Jackie Kreutzer*
- **Transcatheter Pulmonary Valve Implants in Patients Without Conduits – Is There a Role?** *Michael Mullen*
- **Percutaneous Pulmonary Valve Implantation – Not How, But When?** *Thomas Jones*
- **Debate: Percutaneous Pulmonary Valve Implantation (PPVI) for RVOT Conduit / Bioprosthetic Valve Failure Should be the First Choice of Management**
  - **Pro:** *Philip Bonhoeffer*; **Con:** *Pedro del Nido*

**9:30-10:45 am - Breakout Session – Commonwealth A/B - Transcatheter Management of Adults with Complex Congenital Heart Disease;** Moderators: *Jo DeGiovanni, Donald Hagler*

- **Femoral / Caval Vessel Rehabilitation – When Is It Indicated?** *Frank Ing*
- **Working Safely in the Coronary Arteries:** *Clifford Kavinsky*
- **Management of Baffle Stenosis / Leak:** *Eric Horlick*
- **Embolization of Complex Collaterals – When To Intervene?** *Jonathan Rome*
- **Stenting in Adults With Complex Congenital Heart Disease:** *Carlos Ruiz*
- **Debate: Structural Interventions - Should Pediatric Cardiologists Be Taking Care of Adults?**
  - **Pro:** *Thomas Forbes*; **Con:** *John Carroll*
- **Discussion**

**10:45-11:00 am - Coffee Break / Visit Exhibits - Galleria Exhibit Hall and Grand Ballroom Foyer**

**11:00 am-12:30 pm - Live Cases** (Boston, Miami, St Louis); Panelists: *Makram Ebeid, Bharat Dalvi, Alpaz Çeliker, Jacek Bialkowski, Pan Xin*

**12:30-12:40 pm - Lunch Boxes Available - Galleria Exhibit Hall and Grand Ballroom Foyer**

## PICS-AICS - JULY 27 - WEDNESDAY AFTERNOON Grand Ballroom - Concourse Level

**12:40-2:00 pm - Lunch Session - Left Heart Obstruction – From Fetus to Adult - Moderators: Ralf Holzer, Emile Bacha, David Nykanen**

- **Update on Fetal Interventions:** *Simone Pedra*
- **Hybrid Therapy in HLHS – A Realistic Alternative to Norwood Stage I?** *Mark Galantowicz*
- **Survival Following Hybrid Approach – Updates from Giessen (Dietmar Schranz) and Columbus (John Cheatham)**
- **Strategies to Minimize Aortic Valve Damage with Balloon Valvuloplasty:** *Howard Weber*
- **Implications of PARTNER I Trial:** *Eric Horlick*
- **Debate: Percutaneous Aortic Valve Implantation Will Replace Aortic Valve Surgery in the Future**
  - **Pro:** Raj Makkar; **Con:** Harold Lazar

**2:00 pm - Exhibit Hall Closes**

**2:00-3:30 pm - Live Cases** (Boston Floating, Miami, St Louis);  
**Panelists:** Masood Sadiq, Richard Ringel, Alejandro Peirone, Francisco Chamie, Ali Halabi

**3:00-4:30 pm - Coffee Break - Grand Ballroom Foyer**

**3:30-4:50 pm - The Future**

- **Impact of National / International Databases:** Gerard Martin
- **Evaluation of Transcatheter Therapies On Cardiovascular Physiology:** *Lee Benson*
- **MRI-Guided Interventions – Worth Persisting With?** *Kanishka Ratnayaka*
- **The Ideal Percutaneous Valve – How Far Away?** *David Fish*
- **CHD Networks – Essential For The Future:** *Thomas Forbes*
- **Debate: Complete Transcatheter Management of Tetralogy of Fallot Is Achievable Within 10 Years**
  - **Pro:** Kevin Walsh; **Con:** Michel Ilbawi

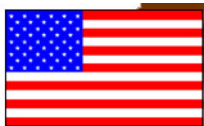
**4:50 pm - Closing Remarks - Ziyad M. Hijazi**

- **Exhibit Passport Drawing for Apple iPad 2 -  
*Winner Must Be Present***

Be sure to see the  
**CONGENITAL CARDIOLOGY TODAY**

## PICS~AICS Job Board Poster

Please plan to join us for PICS~AICS 2012,  
April 15-18 at the Marriott CHICAGO Downtown.



# NuMED

## For Children



### **The Worldwide Leader in Pediatric Interventional Cardiology Products**

We provide physicians with the highest quality devices for diagnosis and treating congenital heart disease or compromised peripheral arteries.

With the help of our distributors worldwide, we have improved the lives of patients around the world by supplying our extensive and innovative product line to help fill the universal void in products available to children everywhere.

Most of our products have been designed to respond to the specific needs of doctors, technicians and nurses.

**[www.numedforchildren.com](http://www.numedforchildren.com)**

#### USA CONTACT:

##### **NuMED, Inc.**

2880 Main Street  
Hopkinton, NY 12965 USA  
Tel: (315) 328-4491  
Fax: (315) 328-4941

#### CANADA CONTACT:

##### **NuMED Canada, Inc.**

45 Second Street West  
Cornwall, ON K6J 1G3 Canada  
Tel: (613) 936-2592  
Fax: (613) 936-2593

#### EUROPE CONTACT:

##### **G. van Wageningen B.V.**

Hallenweg 40, 5683 CT Best, The Netherlands  
Tel: +31-499-377388  
Fax: +31-499-377456



OPTIONAL SIZING.  
CONTOURED SHAPES.  
PRECISE PLACEMENT.

## NuCLEUS-X™

PTV Balloon Dilatation Catheters



*Variable waist expansion in the center of the balloon for accurate placement*

## PTS® Sizing Balloon Catheters

*For accurate measurement*



## X™ Line

PTV Balloon Dilatation Catheters

*Braided inner tubing optimizes catheter trackability*



# BIBRAUN

*Interventional Systems*

B. Braun Interventional Systems Inc.  
824 Twelfth Avenue  
Bethlehem, PA 18018  
Tel: 1-877-VENA CAV (836-2228)  
Fax: 610-266-3982

[www.bisusa.org](http://www.bisusa.org)