

# CONGENITAL CARDIOLOGY TODAY

Timely News and Information for BC/BE Congenital/Structural Cardiologists and Surgeons

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SPECIAL PICS-AICS 2011 PREVIEW

## IN THIS ISSUE

**Pediatric & Adult Interventional Cardiac Symposium (PICS ~ AICS 2011) With Live Case Demonstrations - July 17-21, 2011; Sheraton Hotel, Chicago, IL, USA**

by Damien Kenny, MD and Ziyad M. Hijazi, MD ~ Page 1

**Pre-Symposium Industry Sponsored Workshops - Saturday - July 23<sup>rd</sup> ~ Page 4**

**ICSCIT: July 24<sup>th</sup> - Sunday Morning Sessions ~ Page 4**

**ICSCIT: July 24<sup>th</sup> - Sunday Afternoon Sessions ~ Page 5**

**PICS-AICS: July 25<sup>th</sup> - Monday Morning Sessions ~ Page 6**

**PICS-AICS: July 25<sup>th</sup> - Monday Afternoon Sessions ~ Page 8**

**PICS Guest Faculty ~ Page 8**

**PICS-AICS: July 26<sup>th</sup> - Tuesday Morning Sessions ~ Page 9**

**PICS-AICS: July 26<sup>th</sup> - Tuesday Afternoon Sessions ~ Page 10**

**PICS-AICS: July 27<sup>th</sup> - Wednesday Morning Sessions ~ Page 12**

**PICS-AICS: July 27<sup>th</sup> - Wednesday Afternoon Sessions ~ Page 13**

**Live Case Summary ~ Page 15**

**Registration Information ~ Page 17**

**PICS Awards ~ Page 17**

**PICS -AICS Course Directors and Co-directors ~ Page 18**

## CONGENITAL CARDIOLOGY TODAY

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## Pediatric & Adult Interventional Cardiac Symposium (PICS & AICS 2011) With Live Case Demonstrations - July 24-27, 2011; Westin Waterfront Hotel, Boston, MA, USA

By Damien Kenny, MD and Ziyad M. Hijazi, MD

This year's *Pediatric and Adult Interventional Cardiac Symposia - PICS & AICS 2011* will be held in the breathtaking Westin Boston Waterfront, in the historic city of Boston, Massachusetts. This is truly a landmark year for *PICS* as it represents the 15th anniversary of the meeting which began in Boston 14 years ago with 87 attendees including faculty! At that time, congenital interventional therapies were in their infancy, and it was unclear how the subspecialty would evolve. However, it was clear that in order to support the successful development of this field, an international platform for sharing knowledge and experience was essential. Since the first *PICS* meeting, the symposia has evolved into the dominant international meeting covering all aspects of congenital and, more recently, structural heart disease, with over 800 attendees and 100 faculty from all over the world joining us each year.

One of the most challenging aspects of the symposia each year is the live case demonstrations. This requires considerable coordination; however, the educational aspect in such an experiential field is be-

yond question. This year is no exception, and we have live cases each day from:

- Riyadh, Saudi Arabia; São Paulo, Brazil; Giessen, Germany – Monday 25th July
- Mass General, Boston; Yale New Haven Hospital, Connecticut; Montreal Heart Institute, Canada – Tuesday 26th July
- Miami Children's Hospital; St. Louis Children's Hospital; Tufts Medical Center, Floating Hospital for Children, Boston – Wednesday July 27th.

We are hoping for continuing participation from the audience, an important feature of every *PICS* meeting. Indeed, recently certain questions have been raised about the appropriateness of "live case" presentations, and this year, we have invited a cardiologist with extensive experience with the "live case" format, Dr. Martin Leon from Columbia University; we hope to have a lively discussion and significant input from the audience.

This year's symposia will be preceded on Saturday, July 23rd by a day dedicated to workshops including:

- "Transeptal Techniques" - Cook Medical
- "Device Closure for Various Congenital Heart Defects" - AGA
- "Device Closure for Various Congenital Heart Defects" - GORE

## CONGENITAL CARDIOLOGY TODAY

### CALL FOR CASES AND OTHER ORIGINAL ARTICLES

Do you have interesting research results, observations, human interest stories, reports of meetings, etc. to share?

Submit your manuscript to: [RichardK@CCT.bz](mailto:RichardK@CCT.bz)



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These workshops provide the technical, hands-on experience fundamental to performing catheterization safely and effectively.

Sunday July 24th, is mostly dedicated to imaging modalities and controversies, in congenital and structural heart disease. Imaging provides the “light” for the darkness of interventional work, and this session will focus on appropriate imaging for all aspects of congenital and structural interventions. The day will finish with the oral abstract presentations in the late afternoon. Many of us started our careers with such work, and it is vital to support as well as learn from the endeavors of our colleagues. This year a prize will be offered for the best oral and poster presentations to recognize these efforts.

Session topics this year include transcatheter treatment options for right and left ventricular outflow tract obstruction and coarctation of the aorta across all ages. Other specialist sessions will focus on 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, and governmental agencies. There are also sessions covering percutaneous mitral, pulmonary, aortic and tricuspid valve therapies.

This year 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. This is particularly relevant in the light of results from recently published clinical trials.

Once again we will be having daily “Hot Debates” to assist in evaluating 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 of “Meet the Experts,” so please bring cases to discuss as experiential learning is vital to our growing subspecialty.

For more details, please visit PICS website at: [www.picsymposium.com](http://www.picsymposium.com).

Reflection on the past provides the platform for realizing the potential of the future. Join us in shaping this in the beautiful city of Boston.

Sincerely,

On behalf of the course directors and co-directors:

*Damien Kenny, MD and Ziyad M. Hijazi, MD*

**CCT**



Rush Center for Congenital  
and Structural Heart Disease



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



**PFO** RESEARCH  
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*The PICS Foundation in Collaboration with the Society for Cardiovascular Angiography & Interventions & Rush Center For Congenital & Structural Heart Disease*



# PICS-AICS

Pediatric and Adult Interventional Cardiac Symposium



# BOSTON

JULY 24-27  
WESTIN BOSTON WATERFRONT 2011

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

## PRE-SYMPOSIUM INDUSTRY WORKSHOPS JULY 23<sup>rd</sup> - SATURDAY

PICS~AICS invites you to participate in a day of industry-sponsored workshops. Industry representatives will be organizing these complimentary workshops throughout the day. You can choose to attend any or all workshops.

**8:30-10:30 am** - "Transeptal Techniques" - Symposium by Cook Medical

**10:30-11:00 am** - Coffee Break

**11:00 am-1:00 pm** - "Device Closure for Various Congenital Heart Defects" - Symposium by AGA

**1:00 am-2:00 pm** - Lunch

**2:00-4:00 pm** - "Device Closure for Various Congenital Heart Defects" - Symposium by GORE

You are encouraged to arrive on Friday, July 22<sup>nd</sup> to participate in this program.



## IMAGING IN CONGENITAL AND STRUCTURAL CARDIOVASCULAR INTERVENTIONAL THERAPIES (ICSCIT) JULY 24<sup>th</sup> - SUNDAY MORNING SESSIONS

**Morning Session;** Course Director: Girish Shirali

**8:00-10:00 am** - Overview: Modalities and Teamwork

- **8:00-8:10 am** - Pre-planning: Girish Shirali
- **8:10-9:10 am** - Modalities – When and Why
  - TTE: Craig Fleishman
  - TEE: Girish Shirali
  - MRI: Mark Fogel
  - CTA: Anthony Hlavacek
  - ICE: Frank Silvestry
- **9:10-9:50 am** - 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 I Need From my Intensivist: Gil Wernovsky
  - What I Need From my Surgeon: TBD
- **9:50-10:00 am** - Panel Discussion & Q/A

**10:00-10:30 am** - Break

**10:30-11:45 am** - ASD and PFO Closure

- **10:30-10:42 am** - Morphology of the Atrial Septum: Paul Weinberg
- **10:42-10:52 am** - Pre-selection: Who is a Candidate and Who Isn't: Achi Ludomirski
- **10:52-11:00 am** - Echo Appearance of Various Devices: Luc Mertens
- **11:00-11:10 am** - Intra-procedural TEE: Role and Illustrative Case: Craig Fleishman
- **11:10-11:20 am** - Intra-procedural ICE: Role and Illustrative Case: John Rhodes
- **11:20-11:30 am** - Benefits of Fluoroscopy in ASD and PFO Closure: Mike Mullen
- **11:30-11:45 am** - Panel Discussion and Q/A

**11:45 am -12:15 pm** - Lunch

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

**VSD Closure**

- **12:15-12:30 pm** - Morphology of the Ventricular Septum: Paul Weinberg
- **12:30-12:40 pm** - Pre-selection: Who is a Candidate, and Who Isn't: Jozef Masura
- **12:40-12:50 pm** - Echo Appearance of VSD Devices: Luc Mertens
- **12:50-1:05 pm** - Intra-procedural TEE: Role and Illustrative Cases (Muscular/Membranous Cases): Mario Carminati
- **1:05 -1:15 pm** - Intra-procedural Epicardial Echocardiography with Pericardial VSD Closure: Role and Illustrative Case: Geoff Lane
- **1:15-1:30 pm** - Post-Infarct VSD – Pre-procedural Imaging and Patient Selection: Jo DeGiovanni
- **1:30-1:45 pm** - Panel Discussion and Q/A



**IMAGING IN CONGENITAL AND STRUCTURAL  
CARDIOVASCULAR INTERVENTIONAL THERAPIES  
(ICSCIT)  
JULY 24<sup>th</sup> - SUNDAY AFTERNOON SESSIONS**

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

- 1:45-3:00 pm - Percutaneous Valve and LAA Imaging**
- 1:45-2:00 pm - Pre-selection of Patients for Pulmonic Valve Implantation and Post-procedural follow-up:** *Mark Fogel*
  - 2:00-2:15 pm - Pre-selection of Patients & Procedural Guidance for Mitral Valve Repair:** *Frank Silvestry*
  - 2:15-2:30 pm - Pre-selection of Patients & Procedural Guidance of TAVR:** *Raj Makkar*
  - 2:30-2:45 pm - LAA Closure: Pre-selection, Guidance of Procedure & Follow-up:** *Saibal Kar*
  - 2:45-3:00 pm - Panel Discussion & Q&A**

- 3:00-3:40 pm - Paravalvar Leaks**
- 3:00-3:10 pm - Pre-assessment with 2D and 3D Echo:** *Robert Siegel*
  - 3:10-3:20 pm - Role of CT in Evaluation:** *Carlos Ruiz*
  - 3:20-3:30 pm - Guidance of the Procedure: Fluoro/Echo:** *Reda Ibrahim*
  - 3:30-3:40 pm - Panel Discussion and Q&A**

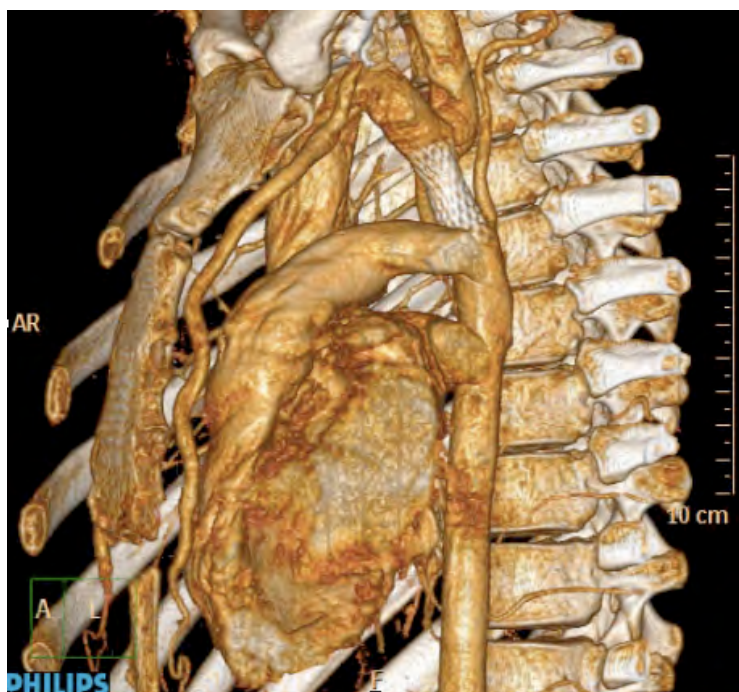
- 3:40-4:05 pm - ICSCIT Debate: ICE versus TEE for ASD Closure in Children**
- Pro:** *Carlos Zabal*; **Against:** *Achi Ludomirsky*

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

- 4:30-4:40 pm - Closing Remarks for the Imaging Day:** *Course Directors*

**4:40-6:00 pm - Oral Abstract Presentations**

- Room 1: *Neil Wilson, Elchanan Bruckheimer, Gil Wernovsky*
- Room 2: *Daniel Levi, Frank Ing, Giacomo Pongiglione*
- Room 3: *Erik Horlick, John Bass, Mazeni Alwi*





## PICS-AICS: JULY 25<sup>th</sup> - MONDAY MORNING SESSIONS

### 6:30-7:45 am - Continental Breakfast/Visit Exhibits

**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** (Giessen, Saudi Arabia, São Paulo); **Panelists:** Teiji Akagi, Horacio Faella, Seong-Ho Kim, Doff McElhinney

**10:30-11:00 am - Coffee Break/Visit Exhibit**

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

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

**1:15-2:15 pm - Lunch Break/Visit Exhibit - CCISC Meeting**





#### Melody® Transcatheter Pulmonary Valve

#### Ensemble® Transcatheter Valve Delivery System

#### Indications for Use:

The Melody TPV is indicated for use as an adjunct to surgery in the management of pediatric and adult patients with the following clinical conditions:

- Existence of a full (circumferential) RVOT conduit that was equal to or greater than 16 mm in diameter when originally implanted and
- Dysfunctional RVOT conduits with a clinical indication for intervention, and either:
  - regurgitation:  $\geq$  moderate regurgitation, or
  - stenosis: mean RVOT gradient  $\geq$  35 mm Hg

Contraindications: None known.

#### Warnings/Precautions/Side Effects:

- DO NOT implant in the aortic or mitral position. Preclinical bench testing of the Melody valve suggests that valve function and durability will be extremely limited when used in these locations.
- DO NOT use if patient's anatomy precludes introduction of the valve, if the venous anatomy cannot accommodate a 22-Fr size introducer, or if there is significant obstruction of the central veins.
- DO NOT use if there are clinical or biological signs of infection including active endocarditis.
- Assessment of the coronary artery anatomy for the risk of coronary artery compression should be performed in all patients prior to deployment of the TPV.
- To minimize the risk of conduit rupture, do not use a balloon with a diameter greater than 110% of the nominal diameter (original implant size) of the conduit for pre-dilation of the intended site of deployment, or for deployment of the TPV.
- The potential for stent fracture should be considered in all patients who undergo TPV placement. Radiographic assessment of the stent with chest radiography or fluoroscopy should be included in the routine postoperative evaluation of patients who receive a TPV.
- If a stent fracture is detected, continued monitoring of the stent should be performed in conjunction with clinically appropriate hemodynamic assessment. In patients with stent fracture and significant associated RVOT obstruction or regurgitation, reintervention should be considered in accordance with usual clinical practice.

Potential procedural complications that may result from implantation of the Melody device include: rupture of the RVOT conduit, compression of a coronary artery, perforation of a major blood vessel, embolization or migration of the device, perforation of a heart chamber, arrhythmias, allergic reaction to contrast media, cerebrovascular events (TIA, CVA), infection/sepsis, fever, hematoma, radiation-induced erythema, and pain at the catheterization site.

Potential device-related adverse events that may occur following device implantation include: stent fracture resulting in recurrent obstruction, endocarditis, embolization or migration of the device, valvular dysfunction (stenosis or regurgitation), paravalvular leak, valvular thrombosis, pulmonary thromboembolism, and hemolysis.

For additional information, please refer to the Instructions for Use provided with the product.

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## PICS-AICS: JULY 25<sup>th</sup> - MONDAY AFTERNOON SESSIONS

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

**2:15-3:00 pm - Live Cases** (São Paulo); Panelists: Trong-Phi Le, Ignacio Ingelessis, Donald Hagler, Francisco Garay, Raul Rossi

**3:00-4:00 pm - "It's All About the Wire Position – or Is it?" – Complex** (Lectures) **Issues Facing the Interventionalist**

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

**4:00-5:30 pm - Structural Heart Disease** (Debate)

- **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*
- **Establishing A Program for Structural Heart Disease:** *John Lasala*

**3:00-5:30 pm - Breakout Session #1 - Nurse/Tech;** Moderators: Sharon Hill, Ktheen 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... Whats New for Dose Reduction?** *Kathleen Nolan*
- **"Analyze This" (Interactive Session):** *Kathleen Nolan, Stacey Froemming, Sharon Hill*

**4:00-5:30 pm - Breakout Session #2 - 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:** *TBD*
- **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:** *Philip Bonhoeffer*
- **Animal Testing:** *Zahid Amin*
- **Discussion**

**5:30-6:15 pm - PICS/AICS Achievement Award**



### Upcoming PICS ~ AICS Dates and Locations

- 2012 April 15-18 in Chicago at the Marriott Chicago Downtown
- 2013 January 19-22 in Miami at the Loews Miami Beach Hotel
- 2014 June 8-11 in Chicago at the Marriott Chicago Downtown

### PICS-AICS GUEST FACULTY

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



## PICS-AICS: JULY 26<sup>th</sup> - TUESDAY MORNING SESSIONS

**6:30-7:45 am - Continental Breakfast/Visit Exhibit**

**7:00-8:00 am - SCAI Meeting**

**7:00-8:00 am - Breakout Session #3: Fellows in Training:**

Moderators: *Thomas Jones, Doff McElhinney, Michael Tynan*

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, Mario Carminati, Charles S. Kleinman*

**8:00-9:45 am - Live Cases** (Mass General, Yale, Montreal);

Panelists: *BG Alekyan, Michael deMoor, Roberto Cubeddu, Robert Siegal, Omar Galal*

**9:45-10:00 am - Closure of the Silent PDA – Indicated or Not?:**  
*David Balzer*

**10:00-10:15 am - Transcatheter Tricuspid Valve Replacement:**  
*Marc Gewillig*

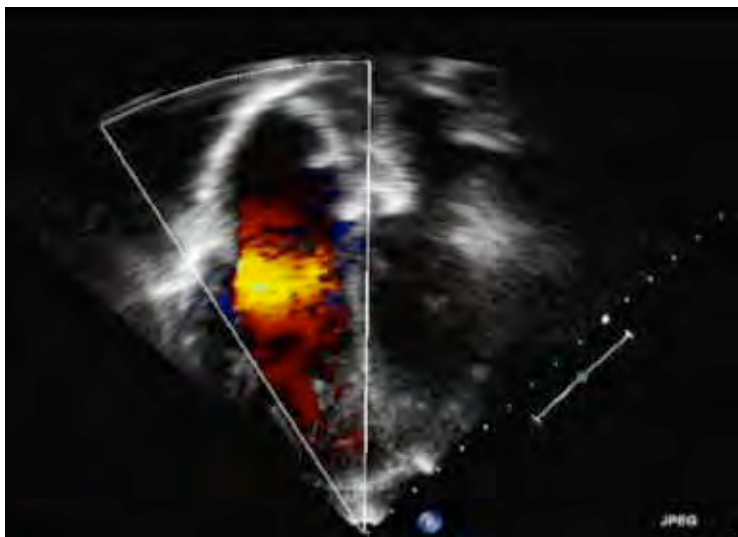
**10:15-10:45 am - Coffee Break/Visit Exhibit**

**10:45 am-12:15 pm - Live Cases** (Mass General, Yale, Montreal);

Panelists: *Robert Vincent, Carlos Zabal, Howard Weber, Jou-Kou Wang, Miguel Granja*

**12:15-1:00 pm - Oral Abstract Finals:** *Daniel Levi, Neil Wilson, Maezni Alwi*

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



Please visit [www.PICSymposium.com](http://www.PICSymposium.com) for up-to-date program changes.



## PICS-AICS: JULY 26<sup>th</sup> - TUESDAY AFTERNOON SESSIONS

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

**2:00-2:45 pm - Live Cases** (Mass General, Montreal)

**Panelists:** Geoff Lane, Eustaquio Onorato, Mansour Al-Joufan, Wei Gao, Jae Young

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

- **Transcatheter Alternatives to Surgery in Sick Neonates with CoA:** Giacomo Pongiglione
- **Coarctation in the Setting of HLHS – When to Intervene:** Shakeel Quereshi
- **Management of Complex Arch Obstructions in Children:** Philip 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 1: There is No Place for Surgical Repair of Coarctation in Children Eligible for Stenting**
  - **Pro:** John Moore; **Con:** Michel Ilbawi

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

- **Room 1:** Chuck Mullins, Mike Tynan, Larry Latson
- **Room 2:** Felix Berger, Philip Moore, Zahid Amin
- **Room 3:** Lee Benson, Mario Carminati, Horst Sievert

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

**4:15-5:15 pm - The Heart Brain Symposium (Lectures)**

- **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 ASD's:** 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 (Discussion)**

- **Cognitive Impairment in Patients with R to L Shunting:** Jill Jesurum
- **Guidelines and Standards for Echo in Diagnosis of PFO and Quantification of Shunting:** Brian Whisenant
- **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 Carroll, Peter Goadsby, David Thaler, Ted Feldman

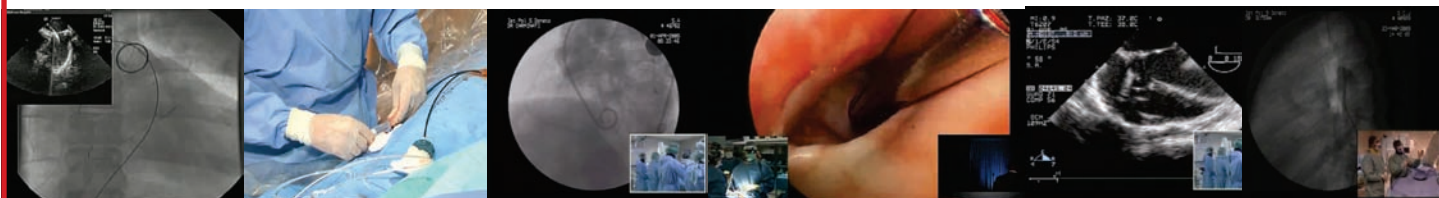
**7:30 pm - GALA Dinner**





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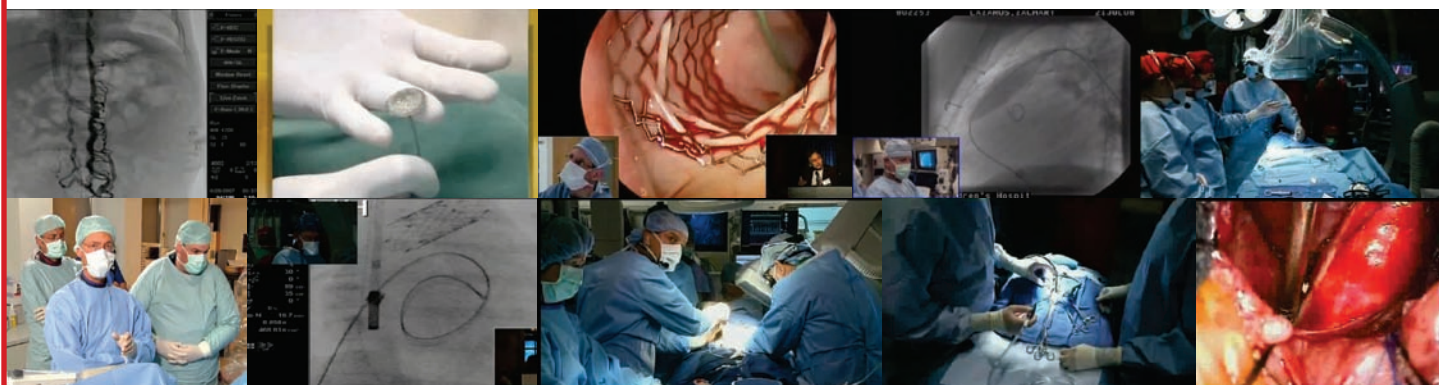
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- Native Coarctation of Aorta - Stent Implantation
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- Intra-operative PA Stent
- Periventricular Muscular VSD Device Closure
- Closure of Septal Defect Using Real Time 3D Echo Guidance
- Periventricular Membranous VSD
- Hybrid Stage I Palliation for HLHS PA Bands and PSA Stent
- Intraoperative Aortic Stent for CoA
- Intraoperative LPA Stent Using Endoscopic Guidance
- Creation of ASD after PA Bands & PDA Stent for HLHS in a Preemie
- Periventricular Implant of Edwards Valve Stent in the Pulmonary Position
- Closure of Septal Defect Using Real Time 3D Echo Guidance
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- PFO Closure
- Transcatheter Closure of Atrial Septal Defect (ASD)
- Closure of ASD under TEE Guidance
- Transcatheter Closure of Moderate PDA
- Pulmonary Angioplasty
- Hybrid Stage Palliation
- ADO or MVSD Closure of PDA
- VSD Closure Using a PDA Device
- Balloon Pulmonary Valvuloplasty
- Coil or Vascular Plug II closure of Coronary Fistula
- Device Closure of ASD
- Stent Placement Across Recurrent Coarctation
- Stenting RVOT on 7-day Old Newborn
- Transfemoral AVR for AS
- ASD Closure with Septal Occluder
- Stenting of Coarctation of Aorta
- Transapical AVR for Aorta Stenosis
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## PICS-AICS: JULY 27<sup>th</sup> - WEDNESDAY MORNING SESSIONS

**6:30-7:45 am - Continental Breakfast/Visit Exhibits**

**7:00-8:00 am - IMPACT Registry Meeting**

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

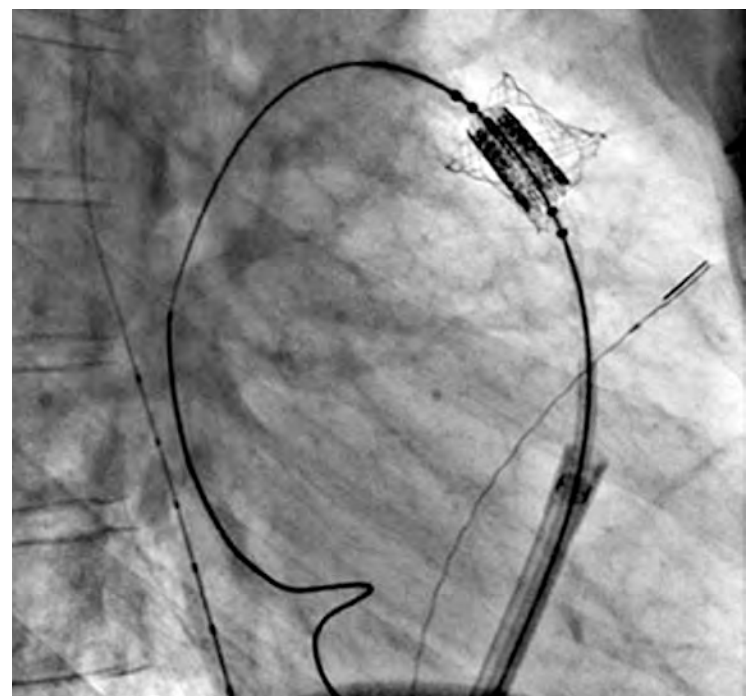
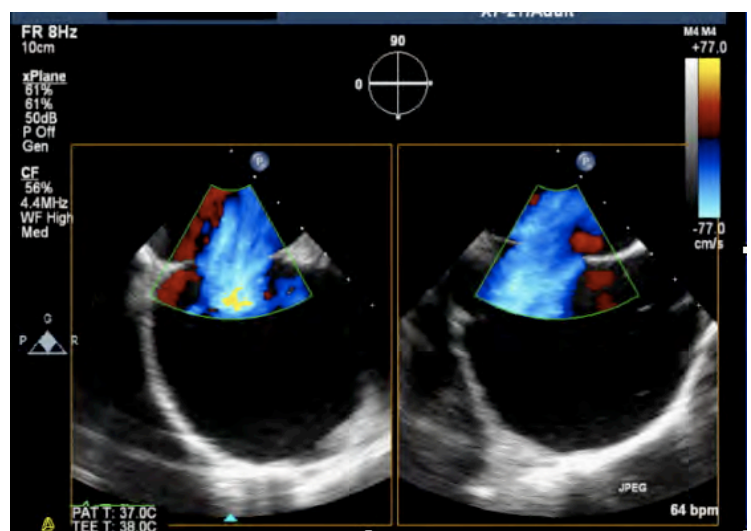
**8:00-9:30 am - Live Cases** (Boston, Miami, St Louis);  
**Panelists:** Yun Ching Fu, Kevin Walsh, Maiy El Sayed, Horacio Faella

- 9:30-10:45 am - RVOT – From Fetus to the Adult** (Debate)
- **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?:** Tarek Momenah
  - **Percutaneous Pulmonary Valve Implantation – Not How, But When?:** Thomas Jones
  - **Debate 2: 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

**10:45-11:00 am - Coffee Break/Visit Exhibit**

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

- 12:30-2:00 pm - Lunch Break** (Lunch Session - Debate)  
**Left Heart Obstruction – From Fetus to Adult; Moderators:** Ralf Holzer, Emile Bacha, Shakeel Qureshi
- **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 3: Percutaneous Aortic Valve Implantation Will Replace Aortic Valve Surgery in the Future**
    - **Pro:** Raj Makkar; **Con:** Harold Lazar





## PICS-AICS: JULY 27<sup>th</sup> - WEDNESDAY AFTERNOON SESSIONS

**Afternoon Session; Moderators:** Giacomo Pongiglione, Felix Berger, William Hellenbrand

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

**3:00-4:30 pm - Coffee Available**

**3:30-4:45 pm - Breakout Session #5 - Transcatheter Management of Adults with Complex Congenital Heart Disease; Moderators:** Jo DeGiovanni, Donald Hagler (Debate)

- **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 4: Structural Interventions: Should Pediatric Cardiologists Taking Care of Adults?:**
  - **Pro:** Thomas Forbes; **Con:** Raj Makkar

**3:30-4:50 pm - The Future (Debate)**

- **Impact of National/International Databases:** Gearld 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 5: Complete Transcatheter Management of Tetralogy of Fallot is Achievable Within 10 Years:**
  - **Pro:** Shakeel Qureshi; **Con:** Michel Ilbawi

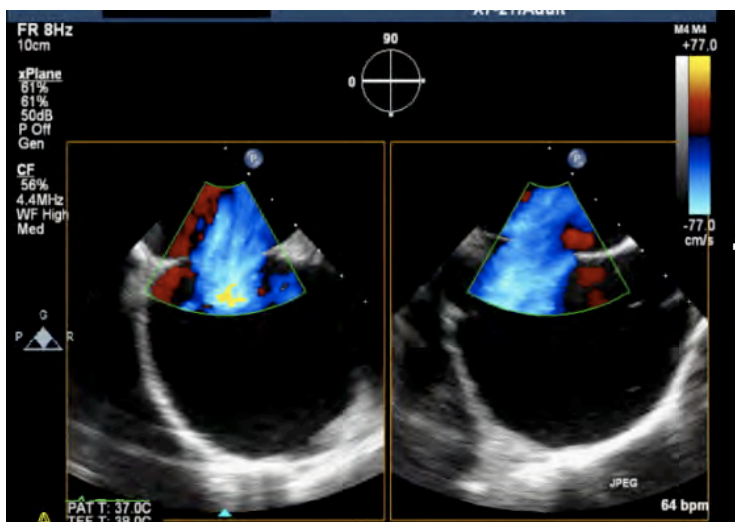
**4:50 pm - Closing Remarks - Ziyad Hijazi**



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## LIVE CASE SUMMARY

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

**Prince Sultan Cardiac Center**

Riyadh, Saudi Arabia  
*Tarek Momenah, MD*

**Dante Pazzanese Instituto de Cardiologia**

São Paulo, Brazil  
*Carlos Pedra, MD*

**Universitat Klinikum**

Giessen, Germany  
*Dietmar Schranz, MD*

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

**Mass General Hospital**

Boston, MA USA  
*Igor Palacios, MD and Ignacio Ingelesiss, MD*

**Yale New Haven Hospital**

New Haven, CT USA  
*Robert White, MD*

**Ste-Justine Hospital**

Montreal, Canada  
*Reda Ibrahim, MD and Joaquim Miro, MD*

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

**Miami Children's Hospital**

Miami, FL USA  
*Evan Zahn, MD*

**St. Louis Children's Hospital**

St Louis, MO USA  
*David Balzer, MD*

**Tufts Medical Center, Floating Hospital for Children**

Boston, MA USA  
*Michael de Moor, MD*



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***"This year PICS will also be hosting industry sponsored workshops on Saturday, July 23<sup>rd</sup>. These complimentary workshops will be organized throughout the day. You can choose to attend any or all workshops."***

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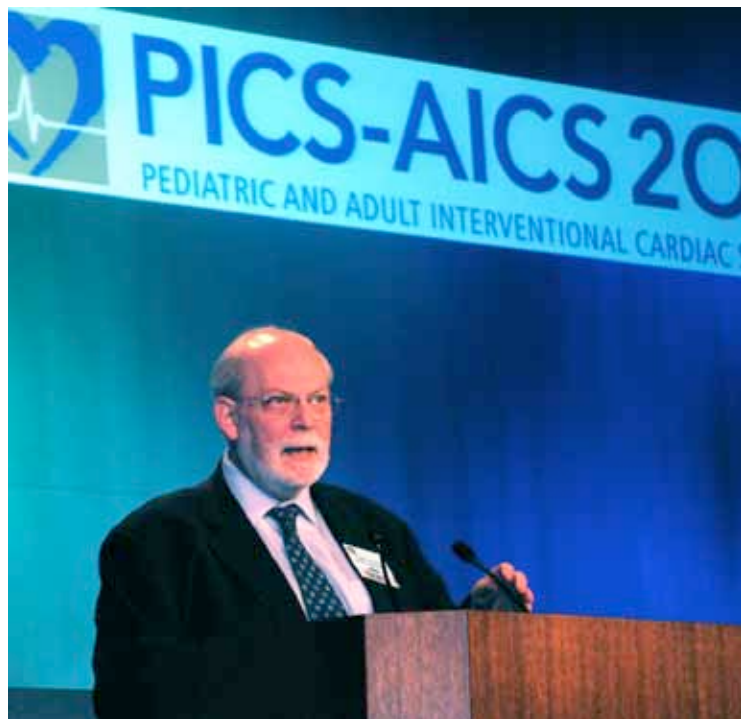
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1997 - Charles E. Mullins	2004 - Shakeel A. Qureshi
1998 - Michael Tynan	2005 - Vladmir Fontes
1999 - Kurt Amplatz	2006 - Philipp Bonhoeffer
2000 - Lee Benson	2007 - John P. Cheatham
2001 - James E. Lock	2008- Carlos Ruiz
2002 - William E. Hellenbrand	2009- Mario Carminati
2003 - Allen J. Tower	2010 - Larry Latson
	2011 - Who will it be this year?

### Pioneer Award

2007 - Terry D. King	20110 - Bill Cook
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*Director, Rush Center For Congenital & Structural Heart Disease*  
 Rush University Medical Center  
 Chicago, IL USA



**John P. Cheatham, MD**  
*Director, Cardiac Catheterization and Interventional Therapies*  
*Professor of Pediatrics & Internal Medicine*  
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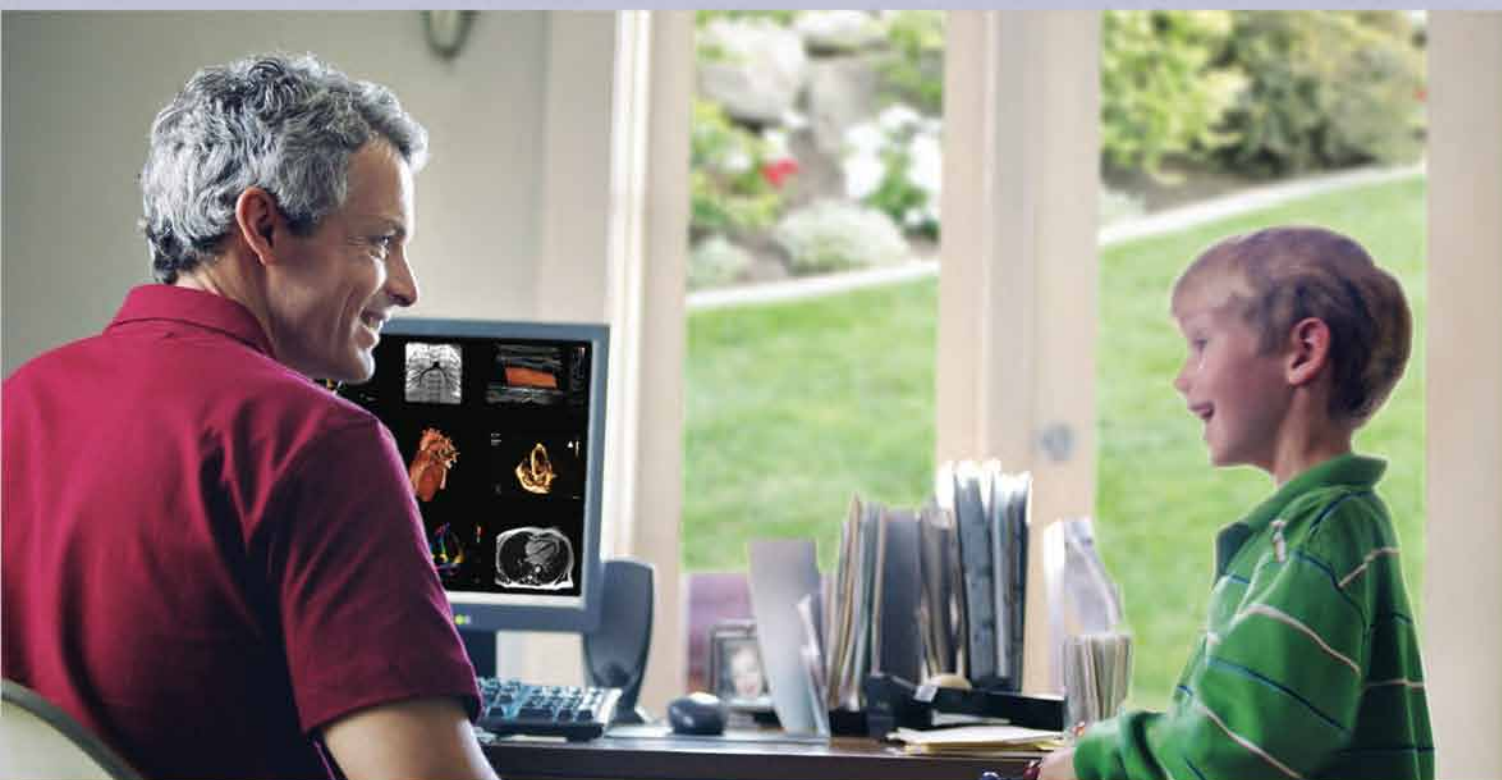
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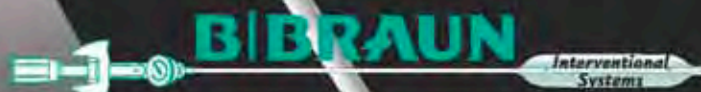
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