



International Workshop
on Interventional
Pediatric Cardiology

IPC Directors

Mario Carminati, Gianfranco Butera, Massimo Chessa



ISHAC International Symposium
on the Hybrid Approach to
Congenital Heart Disease

ISHAC Directors

John Cheatham, Mark Galantovitz, Sharon Hill

**TUESDAY
MARCH 24**

**DAILY
BRIEFING**

The attendees for Workshop IPC – ISHAC Milano 2009, numbering over 600, have been treated to 2 days of stimulating discussions, break-out sessions, simulations, & live case demonstrations.

Highlights from Sunday’s Physician Workshop included lectures on advanced imaging to help deliver intracardiac devices safely and effectively, as well as a thorough description of common interventional techniques (ASD, PFO, PDA, & VSD closure, as well as balloon valvuloplasty/angioplasty for CHD). Also, advanced techniques in stent and percutaneous valve therapy were discussed.

The Workshop for Nurses and X Ray Technicians was also very highly attended, nearing 100 in number. Stimulating discussions in cardiac catheterization responsibilities and techniques, along with new Hybrid therapies and the psycho-social aspects of treating patients with CHD were enjoyed by all.

The day culminated in a New Technologies Overview, sponsored by industry, with a wrap up lecture on the humanitarian efforts of Associazione Bambini Cardiopatici nel Mondo and a beautiful story of The Valpolicella Wine Experience. Accordingly, all attendees were treated to a wonderful 2003 Amarone wine.



Monday, the 1st official day of IPC – ISHAC, began with a bang! Fetal and neonatal cardiac interventions were discussed and debated along with conventional surgical alternatives. Complex stenting of CHD was also presented, highlighted by a live case demonstration of implantation of the Medtronic Melody Valve by our host, Mario Carminati, and assisted by his former pupil, Philipp Bonhoeffer, with a lively discussion of the procedure by the panel and attendees. Also, severe CoA, both in the thoracic and abdominal aorta were treated “on screen” with excellent results. In addition to other popular live cases, expert lectures in intracardiac closure devices and interventional therapy in adults with CHD kept the audience attentive. The day culminated in the ever popular *Nightmares in the Cath lab*, championed by the international winner of the award, Neil Wilson.

Everyone is anxious for Tuesday to arrive when the faculty will concentrate on lively discussions on PFO closure, RVOT dysfunction, Structural Heart Disease, and a how-to session on treating CoA. There will be more live case demonstrations, which always gets everyone involved. The session will end with the IPC Awards, after which everyone will be treated to a wonderful drive and Gala experience at Villa San Carlo Borromeo.

GALA DINNER 8:30PM TONIGHT at the Villa San Carlo Borromeo. Bus pick-up from the Hotel Lounge at 8 PM.

The buses are leaving at 8:00 pm in front HOTELS:

- DOUBLE TREE HOTEL
- UNA HOTEL SCANDINAVIA
- ATA HOTEL FIERA
- MELIA’ HOTEL

For those who are based somewhere else, buses will leave from the Convention Centre (MAIN ENTRANCE)



**Gala
Entertainment
Tonight**

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Different Imaging Modalities...

The closed ties between different imaging modalities and interventional procedures were demonstrated during the first two days of the meeting. CT and MRI provide significant anatomical information to the catheterize before the intervention. However two and three dimensional echocardiography remains the preferable modality for the non invasive imaging of congenital heart disease before interventional procedure. Transthoracic, transesophageal and intracardiac approaches are being used as guidance for the transcatheter intervention. The roll of three dimensional echocardiography is not established yet but it seems to provide further information in cases of fenestrated atrial septal defects and flail mitral valve.

THANKS TO OUR SPONSORS:



TUESDAY SESSIONS

- 8:00-8:05 am - Introduction - M. Carminati, J.P. Cheatham, M. Galantowitz
- 8:05-8:20 am - How to establish a Hybrid program... obstacles, suite design and teamwork - J.P. Cheatham
- 8:20 am-12:00 pm - **SESSION 11 - HLHS**
Moderators: L. Benson, A. Frigiola
Panelists: O. Alfieri, F. Berger, S. Giusti, M. Tynan
- 8:20-8:40 am - Update: The Giessen experience - D. Schranz
- 8:40-9:00 am - Update: The Columbus experience - M. Galantowitz
- 9:00-9:15 am - Discussion
- 9:15-9:30 am - External PA banding - R. Assad
- 9:30-9:45 am - Internal PA Banding - J.P. Cheatham
- 9:45-10:00 am - PDA stenting: choices and technique - C. Pedra
- 10:00-10:15 am - Discussion
- 10:15-10:30 am - Coffee Break
- 10:30-11:00 am - Live Case 21 (Giessen)
- 11:00-11:15 am - How to deal with the atrial septum - Z.M. Hijazi
- 11:15-11:30 am - Retrograde aortic arch obstruction - C. Pedra
- 11:30-11:45 am - A new surgical approach to HLHS - P. Del Nido
- 11:45 am-12:00 pm - Discussion
- 12:00-1:00 pm - Lunch
- Fung-Wexner Award and 2010 ISHAC Registration Drawing
- 1:30-3:30 pm - **SESSION 8 - AORTIC AND MITRAL VALVES**
Moderators: P. Bonhoeffer, M. Landzberg
Panelists: A. Bortone, M. Witsenburg, A. Szatmari, F. Ing
- Percutaneous aortic valve Edwards - G. Sangiorgi
- Percutaneous aortic valve CoreValve - H. Sievert
- Percutaneous mitral valve repair - C. Ruiz
- Paravalvular leaks - D.J. Hagler
- The surgeon's point-of-view - O. Alfieri
- Live Cases 15, 16, 17 (Berlin - Naples - San Donato)
- 3:30-4:00 pm - Coffee Break
- 4:00-6:00 pm - **SESSION 9 - HOW TO TREAT AORTIC COARCTATION**
Moderators: L. Benson, J. Bass
Panelists: A. Çeliker, M. Gewillig, I. Spadoni, Z. Amin
- Balloon angioplasty vs stenting in children - J. Weil
- Early and long term results/complications after stenting - W. Hellenbrand
- Middle aortic syndrome and other unusual coarctation - G. Brezinska-Rajszyz
- Live Cases 18, 19, 20 (San Donato)
- 6:00-7:00 pm - **SESSION 10 - IPC AWARDS & TELEVOTING**
Moderators: M. Carminati, J.P. Cheatham
Speakers: C. Capelli, M. Garrozza, D. Kenny, D. Khan, J. Kusa
- 8:30 pm - GALA DINNER at Villa San Carlo Borromeo

WEDNESDAY SESSIONS

- 8:00-10:00 am - **SESSION 6 - PFO**
Moderators: N. Bresolin, C. Ruiz
Panelists: M. Papa, M. Landzberg, K. Walsh, J. Bass
PFO and Stroke:
- Neurologist point-of-view - G. Anzola
- The Interventionist point-of-view - N. Wilson
PFO and Migraine:
- Neurologist's point-of-view - D. D'Amico
- The Interventionist point-of-view - J. DeGiovanni
- Update on devices - H. Sievert
- The IPOS experience - G. Butera
- Live Cases 11, 12 (Berlin - Naples)
- 10:00-10:30 am - Coffee Break
- 10:30 am-12:30 pm - **SESSION 7 - RVOT DYSFUNCTION**
Moderators: A. Frigiola, W. Hellenbrand
Panelists: L. Benson, M. Gewillig, P. del Nido, M. Galantowitz
- Timing for percutaneous/surgical treatment - A. Frigiola
- Update on worldwide experience of percutaneous pulmonary valve replacement - M. Carminati
- Pulmonary valve implantation as a palliative procedure - P. Lurz
- Surgical point-of-view - A. Giamberti
- Engineering aspects - S. Schievano
- Future perspectives - P. Bonhoeffer
- Live Case 13, 14 (San Donato)
- 12:30-1:30 pm - Lunch
- 1:00-2:45 pm - **SESSION 12 - THE PERVENTRICULAR APPROACH**
Moderators: Z. Amin, M. Carminati
Panelists: J. Bass, J. DeGiovanni, R. Abella, K. Walsh
- 1:00-1:15 pm - Challenges of percutaneous closure of MVSD - G. Butera
- 1:15-1:30 pm - Periventricular closure of muscular VSD - Z.M. Hijazi
- 1:30-1:45 pm - Live 3-D echo guided closure of MVSD - P. del Nido
- 1:45-2:00 pm - Periventricular approach to right sided obstructive lesions - S. Hu
- 2:00-2:15 pm - Discussion
- 2:15-2:45 pm - Live Case 22 (London)
- 2:45-3:45 pm - **SESSION 13 - INTRAOPERATIVE STENTS**
Moderators: P. del Nido, S. Hu
Panelists: A. Frigiola, W. Hellenbrand, F. Ing, C. Ruiz
- 2:45-3:00 pm - How to remove stents... it is a matter of attitude! - M. Galantowitz
- 3:00-3:15 pm - Intraoperative PA stents... use of endoscopy/fluoroscopy - E. Zahn
- 3:15-3:30 pm - Intraoperative aortic stents and other crazy ideas - E. Zahn
- 3:30-3:45 pm - Discussion
- 3:45-4:00 pm - Coffee Break
- 4:00-4:30 pm - Live Case 23 (Columbus)
- 4:30-5:45 pm - **SESSION 14 - THE FUTURE**
Moderators: P. Bonhoeffer, M. Landzberg
Panelists: M. Chessa, M. Gewillig, A. Ludomirsky
- 4:30-4:45 pm - Biodegradable stents and polymers - F. Berger
- 4:45-5:00 pm - Histotripsy...no more scalpels or catheters - Z. Xu
- 5:00-5:15 pm - Tissue banking and genetic biomarkers - L. Wold
- 5:15-5:30 pm - TCD & neurodevelopmental outcomes after HLHS palliation - S.L. Hill
- 5:30-5:45 pm - Discussion
- 5:45 pm - Closing Remarks and Adjourn - M. Carminati, J.P. Cheatham, M. Galantowitz

