

30th Cardiovascular Surgical Symposium – CSS

March 3 – 10, 2012 Zürs, Austria

SATURDAY, March 3, 2012 – WORKSHOP

15.30 – 18.30 Interactive Cardiovascular Training for Residents

15.30 – 16.00 Aortic valve disease: the view of the cardiologists G. Gaul (Vienna)

16.00 – 16.30 Aortic valve disease: the view of the surgeon R. Moidl (Vienna)

16.30 – 17.00 Break

17.00 – 18.30 Hands on training: C. Starck (Zurich)
Wetlab: Lead extraction

Hands on training: S. Folkmann, T. Fleck, M. Grabenwöger (Vienna)
Wetlab: Aortic valve replacement and coronary artery bypass grafting

18.30 Welcome Reception at the congress venue for all participants of the meeting

SUNDAY, March 4, 2012 – WORKSHOP

9.00 – 12.00 Interactive Cardiovascular Training for Residents

9.00 – 9.30 Practical aspects of PM-insertion C. Khazen (Vienna)

9.30 – 10.00 How to train cardiac surgeons P. Sergeant (Leuven)

10.00 – 10.30 Break

10.30 – 12.00 Hands on training: P. Sergeant (Leuven)
Wetlab: Low fidelity training

Hands on training: S. Folkmann, M. Gorlitzer, G. Laufer (Vienna)
Aortic valve replacement and coronary artery bypass grafting

12.00 Adjourn

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SUNDAY, March 4, 2012 – SCIENTIFIC PROGRAM

15.15 Opening of the Symposium

G.Laufer, M. Grabenwöger, M. Deutsch (Vienna)

15.30 – 19.00 AFTERNOON SESSION

15.30 – 17.00 Session A: Cardiac Arrhythmias: Incidence and Diagnosis

Chair: M. Brunner (Vienna), V. Falk (Zurich)

- State-of-the-art: PM-therapy for SSS und AV-block M. Anelli-Monti (Graz)
- Ventricular arrhythmias and defibrillatortherapy H. Schmidinger (Vienna)

PRO-CON SESSION:

- Pacemakers should be implanted by surgeons F. Veit (Vienna)
- Pacemaker should be implanted by cardiologist M. Brunner (Vienna)

17.00 – 17.30 Break

17.30 – 19.00 Session B: Coronary Artery Disease

Chair: M. Grabenwöger (Vienna), G. Laufer (Vienna)

UPDATE ON THE SYNTAX TRIAL:

- The cardiologists point of view G. Gaul (Vienna)
- The surgeons point of view V. Falk (Zurich)

KEYNOTE LECTURE:

- Guidelines for the treatment of coronary artery disease:
Is there any impact on daily practice? P. Kolh (Liege)

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MONDAY, March 5, 2012 – SCIENTIFIC PROGRAM

8.15 – 11.00 Free Presentations

Chair: M. Grimm (Innsbruck), W. Wandschneider (Klagenfurt)

- Intraoperative, autologous CD133+ stem cell isolation and TMLR-supported transplantation during CABG H.-M. Klein (Düsseldorf)
- The prevention and management of severe complications during congenital heart disease interventions R. Chen (Taiyuan)
- Should all moderate coronary lesions be grafted during primary coronary bypass surgery? An analysis of disease progression during angiographic surveillance in a trial of conduits T. Nguyen (Melbourne)
- Risk stratification model and internal mammary artery grafting in patients undergoing coronary artery bypass surgery within 24 hours of a myocardial infarction M. Caceres (Los Angeles)
- First successful postoperative activation of enCor SQ M. Czesla (Stuttgart)
- Factors influencing the choice for endoscopic vein harvesting in patients undergoing coronary artery bypass grafting: a single center experience M. Andreas (Vienna)
- Human vascular organ culture under flow conditions M. Funovics (Vienna)
- CPB-assisted PCI in high risk patients with multivessel coronary disease R. Coppola (Genoa)
- Emergency coronary artery bypass surgery - Outcome in over 100 consecutive cases A. Franner (Klagenfurt)
- Revascularization of occluded or stenotic subclavian veins is supported by laser lead extraction B. Sill (Hamburg)
- Novel new rotary VAD to address the economic limitations on destination therapy S. Westaby (Oxford)
- MIDCAB vs. OPCAB R. Birla (UK)

11.00 – 12.30 Poster Session

- Study on decellularized porcine pulmonary valved conduits crosslinked by carbodiimide H.-P. Guo (Handan)
- Isolated right coronary artery fistula to left ventricle: A case report with literature review H. Zhang (Taiyuan)
- Coronary arteries aneurysms associated with giant bilateral aneurysms of Iliac arteries. Case report I. Pets (Moscow)
- The Medtronic 3830 SelectSecure pacing lead is safe and favorable in pediatric pacemaker patients M. Andreas (Vienna)
- Laser enhanced technique for lead extraction M. Fittkau (Nuremberg)
- Tear orientated aortic dissection surgery yields both low operative mortality and reoperation rate S. Westaby (Oxford)
- Elective transfer from cardiopulmonary bypass to centrifugal pump support in very high risk cardiac surgery S. Westaby (Oxford)
- Aortic valve replacement in patients 80 years of age and older M. Laschitz (Klagenfurt)

12.30 – 14.00 Break

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MONDAY, March 5, 2012 – SCIENTIFIC PROGRAM

14.00 – 15.30 Postoperative Care in Cardiac Surgery sponsored by POSTHORAX

Chair: S. Folkmann (Vienna), M. Gorlitzer (Vienna)

- Wire fixation versus rigid titanium plate after sternotomy – results of a randomized, prospective, multi-center international trial S. Lehmann (Leipzig)
- Elimination of deep and superficial sternal wound infection P. Vogt (Zurich)
- POSTHORAX vest: Biomechanical analysis supports clinical findings M. Gorlitzer (Vienna)

15.30 – 19.00 AFTERNOON SESSION

15.30 – 17.00 Session A: Pacemaker Therapy 1

Chair: C. Khazen (Vienna), F. Hintringer (Innsbruck)

- MRI compatible devices J. Koch (Vienna)
- Biventricular pacing: Current status M. Brunner (Vienna)
- Technical aspects of biventricular stimulation F. Hintringer (Innsbruck)
- Multipolar left ventricular stimulation W. Dichtl (Innsbruck)

17.00 – 17.30 Break

17.30 – 19.00 Session B: Pacemaker Therapy 2

Chair: M. Gaspar (Timisoara), F. Veit (Vienna)

- Lead extraction today: potential hazards and benefits C. Starck (Zurich)
- Lead extraction by laser technology C. Khazen (Vienna)
- Alternate lead placement for biventricular stimulation N. Bonaros (Innsbruck)

KEYNOTE LECTURE:

- 30 years of Cardiovascular Symposium Zürs – reflections by the founder M. Deutsch (Vienna)

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TUESDAY, March 6, 2012 – SCIENTIFIC PROGRAM

8.15 – 11.00 Aortic Valve Symposium sponsored by SYMETIS

Chair: T. Fischlein (Nuremberg), R. Seitelberger (Salzburg)

- The future of transapical aortic valve implantation M. Grimm (Innsbruck)
- Sutureless valves in the times of TAVI T. Fischlein (Nuremberg)
- The SYMETIS valve T. Walther (Bad Nauheim)
- Rheumatic valve disease – the plight of millions P. Zilla (Cape Town)
- Off-pump transapical mitral valved stent implantation G. Lutter (Kiel)
- Transcatheter aortic valve implantation versus surgical aortic valve replacement: a propensity score matched analysis in patients at high surgical risk L. Conradi (Hamburg)

11.00 – 12.30 Poster Session

- Clinical experience with second-generation devices for transcatheter aortic valve implantation – any advantages compared to first generation devices? L. Conradi (Hamburg)
- Right-sided minitoracotomy vs. full sternotomy approach for treatment of AV valvular disorders A. Mokracek (Ceske Budejovice)
- Predictive value of plasma neutrophil gelatinase-associated lipocalin for acute kidney injury in aortic valve replacement patients E. Kidher (London)
- Is there any relationship between aortic stiffness and B-type natriuretic peptide in patients with aortic stenosis E. Kidher (London)
- Dramatic ventricle rupture after extended papillary muscle resection after mitral valve repair C. Streinu (Graz)
- Prospective study of 7-day Holter tape follow-up of patients undergoing concomitant atrial fibrillation with high intensity focused ultrasound S. Asopa (Plymouth)

12.30 – 14.00 Break

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TUESDAY, March 6, 2012 – SCIENTIFIC PROGRAM

14.00 – 15.30 Simulation Training in Cardiac Surgery

Chair: M. Andreas (Vienna)

15.30 – 19.00 AFTERNOON SESSION

15.30 – 17.00 Session A: Atrial Fibrillation 1

Chair: K. Huber (Vienna), A. Marmureanu (Los Angeles)

- Standard and new anticoagulants for AFib K. Huber (Vienna)
- Catheter ablation and hybrid approach F.X. Roithinger (Mödling)
- Subxyphoidal hybrid approach for AFib G. Wimmer-Greinecker (Bad Bevensen)
- Surgical AF ablation: State-of-the-art N. Ad (Falls Church)

17.00 – 17.30 Break

17.30 – 19.00 Session B: Atrial Fibrillation 2

N. Ad (Falls Church), F.X. Roithinger (Mödling)

- Surgical exclusion of the LAA: Resection or occlusion N. Ad (Falls Church)
- Minimal invasive approaches for LAA occlusion H. Reichenspurner (Hamburg)
- LAA closure with Amplatzer technology W. Jung (Villingen-Schwenningen)
- Watchmann device und PROTECT-AF Trial M. Füller (Munich)

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WEDNESDAY, March 7, 2012– SCIENTIFIC PROGRAM

8.15 – 11.00 Free Presentations

Chair: M. Deutsch (Vienna), E. Wolner (Vienna)

- Risk factors for coronary heart disease in connective tissue diseases S. Mukakabera (Uganda)
- Anterolateral thoracotomy for mitral valve replacement D. Watson (Columbus)
- Midterm results after aortic valve repair by tricuspidalisation and replacement of the right coronary cusp by autologous pericardium B. Asfour (St. Augustin)
- Healthcare disparities in cardiac surgery R. Dunton (New York)
- Economic aspects of deep sternal wound infections K. Graf (Hanover)
- From appendicitis to aortic valve endocarditis- a delayed destruction of the AV C. Streinu (Graz)
- Thoracoscopic surgical patch insulation of the phrenic nerve as a novel strategy to correct diaphragmatic twitch secondary to cardiac resynchronization therapy K. Mazhar (Liverpool)
- Video-assisted thoracoscopic implantation of left ventricular epicardial leads for ventricular resynchronization A. Fernandez (Santiago de Compostela)
- Atrial fibrillation after coronary bypass surgery – causal factors and consequences A. Kiryaev (Moscow)
- Marfan syndrome M. Dzsiniich (Budapest)
- Skeletal Manifestations of the Marfan Syndrome G. Kuchling (Vienna)

11.00 – 12.30 Poster Session

- Mitral valve reconstruction after giant atrial myxoma mechanical damages F. Iezzi (Rome)
- An audit of endotracheal cuff pressures on admission to cardiac surgical intensive care P. Robbins (Plymouth)
- Epoprostenol use in patients with a history of heparin induced Thrombocytopenia: An alternative to thrombin inhibition but significantly cheaper K. Mazhar (Liverpool)
- ROSS operation in patients with bicuspid aortic valve: Full root vs. subcoronary technique R. Leyh (Würzburg)
- Over five years experience with the stentless Sorin Freedom Solo Aortic Prosthesis in 168 patients M. Thalmann (Vienna)

12.30 – 14.00 Break

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WEDNESDAY, March 7, 2012– SCIENTIFIC PROGRAM

14.00 – 15.30 Training in Cardiac Surgery

Chair: P. Sergeant (Leuven)

15.30 – 19.00 AFTERNOON SESSION

15.30 – 17.00 Session A: Connective Tissue Disease 1

Chair: H. Reichenspurner (Hamburg), A. Repossini (Brescia)

- Rationale for drug therapy and molecular biological strategies for causative treatment of Marfan Syndrome K. Kallenbach (Heidelberg)
- Mitral valve disease in patients with Marfan Syndrome and other connective tissue disorders H. Reichenspurner (Hamburg)
- Minimally invasive Mitral repair in Barlow disease A. Repossini (Brescia)
- The David operation in Marfan patients M. Diena (Novara)
- Pediatric manifestations of the Marfan Syndrome D. Baumgartner (Innsbruck)

17.00 – 17.30 Break

17.30 – 19.00 Session B: Connective Tissue Disease 2

Chair: R. De Paulis (Rome), E. Weigang (Mainz)

- The role of stent graft therapy for Marfan Syndrome M. Ehrlich (Vienna)
- Elective Surgery for aortic aneurysms in Marfan patients: When and how T. Carrel (Bern)
- Aortic dissections in Marfan patients E. Weigang (Mainz)
- Aortic root disease in patients with Marfan Syndrome R. De Paulis (Rome)

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THURSDAY, March 8, 2012 – SCIENTIFIC PROGRAM

8.15 – 11.00 Free Presentations

Chair: T. Fleck (Vienna), G. Weiss (Leipzig)

- Update in techniques for lung separation D. Desiderio-Silvay (New York)
- Approach to the Marfan patient G. Silvay (New York)
- Studying the effects of treatment methods in patients with atherosclerosis and kinking of carotid artery A. Modassar (Gomel)
- Recovery after long-term pulsatile mechanical circulatory support in patient with chronic heart failure: a bridge too far? Z. Sutlic (Zagreb)
- Matrix-based repair of acute Type-A aortic dissections as an alternative to conventional glue repair S. Wildhirt (Ulm)
- Superior vena cava atresia caused by Behcet's disease, a trap with caution C. Ouyang (Wuhan)
- Belorussian experience in mechanical circulatory support A. Ostrovsky (Minsk)
- Mechanical circulatory support in children with left ventricular and biventricular assist devices as a bridge to heart transplantation O. Friedrich (London)
- Focusing on pump thrombosis – contributing factors of chamber change after assist device implantation I. Kassai (Budapest)

11.00 – 12.30 Poster Session

- Studying the significant role of combined product of Methyluracil and Chloramphenicol in the treatment of lower extremity ischemic ulcers in patients with peripheral arterial disease A. Modassar (Gomel)
- Heart echinococcosis: new data - new questions N. Travin (Moscow)
- One-stage complete repair of thoracic aorta including aortic valve – a case report B. Sill (Hamburg)
- Impact of etiology of mitral regurgitation (MR) on outcome after interventional mitral valve repair using the MitraClip system J. Schirmer (Hamburg)

12.30 – 14.00 Break

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THURSDAY, March 8, 2012 – SCIENTIFIC PROGRAM

14.00 – 15.30 EuRADa – European Registry of Aortic Disease

Chair: E. Weigang (Mainz)

15.30 – 19.00 AFTERNOON SESSION

15.30 – 17.00 Session A: Principles of Long-term Support

Chair: E. Potapov (Berlin), D. Zimpfer (Vienna)

- From NYHA to INTERMACS U. Schulz (Bad Oeynhausen)
- Rotary vs. pulsatile pumps U. Livi (Udine)
- Biventricular support: When and how E. Potapov (Berlin)
- Nine years of ventricular assist device program in IKEM J. Pirk (Prague)

17.00 – 17.30 Break

17.30 – 19.20 Session B: Devices for Long-term Support

Chair: U. Livi (Udine), H. Schima (Vienna)

KEYNOTE LECTURE:

- 30 years of mechanical circulatory support E. Wolner (Vienna)
- The Heartware VAD D. Zimpfer (Vienna)
- The Heartmate 2 VAD A. Menon (Aachen)
- Long-term MCS in pediatric patients U. Schweigmann (Innsbruck)
- The future of long-term support H. Schima (Vienna)

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FRIDAY, March 9, 2012 – SCIENTIFIC PROGRAM

8.15 – 11.00 Free Presentations

Chair: S. Folkmann (Vienna), E. Weigang (Mainz)

- Low rate of bleeding events under a mild anticoagulation regimen in the use of the HeartMate II left ventricular assist device A. Menon (Aachen)
- Exercise hemodynamics and quality of life after aortic valve replacement in the elderly R. Cohen (Los Angeles)
- The outcome in octogenarians after cardiac surgery is much better than doctors feeling A. Vötsch (Graz)
- Endovascular exclusion of a glass shaped saccular aneurysm with Endologix stent graft in a very high risk patient B. Aytacoglu (Mersin)
- Intraoperative assessment of blood flow using the new ICG imaging system in cardiovascular surgery S. Sasaguri (Kawasaki)
- Characteristics of TAV- and BAV-associated thoracic aortic aneurysms – smooth muscle cell biology, expression profiling, and histological analyses S. Blunder (Vienna)
- TEVAR in Aortic type B dissection - impact of stentgraftlength on aortic growth rate P. Schedlbauer (Graz)
- Outcome of aortic valve sparing by reimplantation in patients with aortic regurgitation and dilatation of the ascending aorta. The role of the echocardiographic evaluation G. Cerin (Novara)
- ECMO in pregnancy as poor prognostic factor: A single center experience B. Schlechta (Vienna)
- Rewarming of accidental hypothermic cardiac arrest with extra-corporeal circulation. Lessons learned from the arctic R. Busund (Tromsø)
- Actual state of circulatory support systems in pediatrics and congenital heart disease M. Schweiger (Graz)
- Short-term ventricular assist device as a bridge to transplantation P. Nemeč (Brno)
- Update of mechanical circulatory support: experiences of the German Heart Institute Berlin M. Schweiger (Graz)

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FRIDAY, March 9, 2012 – SCIENTIFIC PROGRAM

11.00 – 12.30 Poster Session

- Surgeons fear of a corpus alienum: Re-sternotomy as an unwelcome side-effect of unknown fizzy tablet intake?! A. Vötsch (Graz)
- Pulmonary atresia with ventricular septal defect and major aortopulmonary collateral arteries: outcome improvement O. Babliak (Kiev)
- Endoprosthesis for thoraco-abdominal Typ-B dissection scarce distal landingzone J. Steiner (Graz)
- Effect of diastolic dysfunction on the outcome of coronary bypass grafting surgery; single centre experience S. Sayed (Würzburg)
- Case study: aortic insufficiency, caused by rare anatomical feature in 58 years old woman V. Dalinin (Moscow)
- An unusual aortic valve sparing: David 'reimplantation' and cusp extension G. Cerin (Novara)

12.30 – 14.00 Break

14.00 – 15.30 Residents Meeting

Chair: S. Folkmann (Vienna), M. Gorlitzer (Vienna)

15.30 – 19.00 AFTERNOON SESSION

15.30 – 17.00 Session A: Extracorporeal Membrane Oxygenation

Chair: A. Rajek (Vienna), C. Schmid (Regensburg)

- Venous-arterial ECMO B. Biocina (Zagreb)
- Percutaneous VA ECMO for acute resuscitation C. Schmid (Regensburg)
- Venous-venous ECMO and Novalung M. Strüber (Hanover)
- ECMO support in the pediatric population G. Trittenwein (Vienna)

17.00 – 17.30 Break

17.30 – 19.00 Session B: Short- and Long-term Support

Chair: M. Strüber (Vienna), G. Trittenwein (Vienna)

- The EUROMACS Registry P. Mohacsi (Bern)
- The Cardiohelp system C. Schmid (Regensburg)
- Resuscitation for avalanche accidents P. Mair (Innsbruck)
- Percutaneous short-term support E. Potapov (Berlin)

18.30 – 19.00 Future Meeting, Adjourn

M. Grabenwöger, G. Laufer (Vienna)