

33rd Cardiovascular Surgical Symposium – CSS

March 7 – 14, 2015 Zürs, Austria

FACULTY

International

Jan **Balzer** – Düsseldorf, Germany
Sabine **Bleiziffer** – Munich, Germany
Johannes **Bonatti** – Abu-Dhabi, Abu Dhabi
Gabriele **Di Giammarco** – Chieti, Italy
Christian **Detter** – Hamburg, Germany
Theodor **Fischlein** – Nuremberg, Germany
Marian **Gaspar** – Timisoara, Romania
Mattia **Glauber** – Milano, Italy
Piet **Jansen** – Paris, France
Jörg **Kempfert** – Bad Nauheim, Germany
Philippe **Kolh** - Liege, Belgium
Andreas **Liebold** – Ulm, Germany
Alexander **Marmureanu** – Los Angeles, USA
Sven **Martens** – Münster, Germany
Anton **Moritz** – Frankfurt, Germany
Claudio **Muneretto** – Brescia, Italy
Jan **Pirk** – Prague, Czech Republic
Hermann **Reichenspurner** - Hamburg, Germany
Alberto **Repossini** - Brescia, Italy
Oliver **Reuthebuch** – Basel, Switzerland
Justiaan **Swanevelder** – Cape Town, South Africa
Hendrik **Treede** – Hamburg, Germany
Igor **Tudorache** – Hannover, Germany
Paul **Urbanski** Bad Neustadt, Germany
Paul **Vogt** – Zurich, Switzerland
Thomas **Walther** – Bad Nauheim Germany
Ernst **Weigang** – Berlin, Germany
Peter **Zilla** – Cape Town, South Africa

National

Nikolaos **Bonaros** – Innsbruck
Otto **Dapunt** – Graz
Georg **Delle-Karth** – Vienna
Manfred **Deutsch** – Vienna
Tatjana **Fleck** – Vienna
Sandra **Folkmann** – Vienna
Herbert **Frank** – Tulln
Georg **Gaul** – Vienna
Michael **Gorlitzer** – Vienna
Martin **Grabenwöger** – Vienna
Michael **Grimm** – Innsbruck
Kurt **Huber** – Vienna
Günther **Lauffer** – Vienna
Robert **Maier** – Graz
Johann **Meinhart** – Vienna
Ina **Michel-Behnke** – Vienna
Reinhard **Moidl** – Vienna
Ludwig **Müller** – Innsbruck
Bruno **Podesser** – Vienna
Raphael **Rosenhek** – Vienna
Rainald **Seitelberger** – Salzburg
Wolfgang **Wandschneider** - Vienna
Dominik **Wiedemann** – Vienna
Ernst **Wolner** - Vienna
Daniel **Zimpfer** - Vienna



The Austrian Medical Chamber has granted
54 certified CME credits for heart surgery to the congress.

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SATURDAY, March 7, 2015 – WORKSHOP

15.30 – 18.30 Interactive Cardiovascular Training for Residents

15.30 – 16.30 Conventional Aortic Valve Replacement

T. Fischlein (Nuremberg)

16.30 – 18.30 Hands on training: S. Folkmann, T. Fleck, M. Gorlitzer (Vienna)
Wetlab: Implantraining AVR

SUNDAY, March 8, 2015 – WORKSHOP

9.00 – 12.00 Interactive Cardiovascular Training for Residents

9.00 – 10.00 Aortic Valve sparing Procedures

M. Grimm (Innsbruck)

10.00 – 12.00 Hands on training: S. Folkmann, T. Fleck, M. Gorlitzer (Vienna)
Wetlab: Tirone David & CABG

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SUNDAY, March 8, 2015 – SCIENTIFIC PROGRAM

15.15 Opening of the Symposium

G. Laufer, M. Grabenwöger (Vienna)

15.30 – 19.00 AFTERNOON SESSION

15.30 – 17.00 Session A: Aortic Valve Disease: Time to Act

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

- Aortic Incompetence: The Guidelines and beyond G. Gaul (Vienna)
- Aortic Stenosis and mixed Lesions:
The Guidelines and beyond R. Rosenhek (Vienna)
- Pediatric Aortic Valve Disease I. Michel-Behnke (Vienna)

17.00 – 17.30 Break

17.30 – 19.00 Session B: Innovations in Imaging for Heart Disease and postoperative Treatment

Chair: G. Gaul (Vienna), K. Huber (Vienna)

- What is new in Echocardiography R. Rosenhek (Vienna)
- What is new in Cardiac Imaging H. Frank (Tulln)
- Anticoagulation therapy after AVR and TAVI K. Huber (Vienna)
- Fusion Imaging and Anatomical Intelligence J. Balzer (Düsseldorf)

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MONDAY, March 9, 2015 – SCIENTIFIC PROGRAM

8.15 – 11.00 Free Presentations

Chair: R. Seitelberger (Salzburg) J. Swanevelder (Cape Town)

- Prevent VT: The UCLA Experience A. Marmuranu (Los Angeles)
- Impact of Discontinuation of Antiplatelet Therapy Prior to Combined Coronary Artery Bypass Graft and Valve Procedures on Short and Long Term Outcomes J. Meneguzzi (Australia)
- The Rheumatic mitral valve – intraoperative assessment J. Swanevelder (Cape Town)
- Transcatheter aortic valve replacement- which patients need a pacemaker J. Koch (Vienna)
- Is thoracotomy better than median sternotomy in single vessel coronary bypass surgery? S. P. Govindasamy (Singapore)
- ONPUMP vs. OFFPUMP Coronary Artery Bypass grafting A. C. Deppe (Cologne)
- Permanent pacemaker implantation in patients with stentless (Freedom SOLO) and stented (Perimount) aortic bioprostheses. A propensity score weighted analysis O. Stanger (Berne)
- Aortic root surgery in patients with aortic root abscesses S. Leontyev (Leipzig)
- Active Clearance of Chest Drainage Catheters - really an advantage? T. Fischlein (Nuremberg)

11.00 – 12.30 Poster Session

12.30 – 14.00 Break

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MONDAY, March 9, 2015 – SCIENTIFIC PROGRAM

14.00 – 15.30 Workshop: Minimal Invasive Cardiac Surgery: an Approach for Residents

D. Wiedemann (Vienna)

15.30 – 19.00 AFTERNOON SESSION

**15.30 – 17.00 Session A: Advances of Surgical Aortic Valve Replacement –
Sutureless Valves and More**

Chair: O. Dapunt (Graz), L. Müller (Innsbruck)

- Medtronic Enable O. Dapunt (Graz)
- Sorin Perceval T. Fischlein (Nuremberg)
- Edwards Intuity-Elite rapid deployment Aortic Valve –
new Perspectives on Aortic Valve Surgery D. Wiedemann (Vienna)
- Sorin Solo Valve A. Repossini (Brescia)

17.00 – 17.30 Break

17.30 – 19.00 Session B: Reconstruction of the Aortic Valve

Chair: T. Fischlein (Nuremberg), A. Repossini (Brescia)

Invited Keynote Lecture

- Surgical AV Repair: Recent Improvements in
Surgical Techniques P. Urbanski (Bad Neustadt)
- Aortic Valve Reconstruction using the Coroneo Ring R. Seitelberger (Salzburg)
- Bicuspid Aortic Valves: How to treat the Ascending Aorta? M. Grabenwöger (Vienna)

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TUESDAY, March 10, 2015 – SCIENTIFIC PROGRAM

8.15 – 11.00 Free Presentations

Chair: T. Fleck (Vienna), S. Folkmann (Vienna)

- Freedom SOLO stentless valve: Long-term Outcome, and Analysis of valve-dependent and -independent Failures O. Stanger (Berne)
- 869 patients treated with Trifecta aortic valve bioprosthesis: short and midterm follow-up S. Lehman (Leipzig)
- Mini AVR: a surgeon and institutional learning curve R. Williams (Liverpool)
- The first Experience of using Sutureless Bioprosthesis V. Dalinin (Moscow)
- Minimally-invasive surgery for congenital atrial septal defects vs. catheter based device-occlusion in adults Y. Schneeberger (Hamburg)
- Pain-diminishing effect of Kinesio taping in patients after sternotomy R. Brockmann (Düsseldorf)
- Outcome of patients from TAVI multidisciplinary clinic C. Lloyd (Plymouth)
- Apoptosis in Marfan Syndrome Aneurysms – it's not only the loss of cells F. Emrich (Leipzig)
- External aortic ring in aortic root remodeling: efficacy and durability determined by multidetector-CT T. Holubec (Zurich)

11.00 – 12.30 Poster Session

12.30 – 14.00 Break

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TUESDAY, March 10, 2015 – SCIENTIFIC PROGRAM

14.00 – 15.30 Workshop: Postoperative Nursing

L. Poenar, S. Rosinger (Vienna)

15.30 – 19.00 AFTERNOON SESSION

15.30 – 17.00 Session A: Measuring Risk and Outcome for Aortic Valve Procedures

Chair: G. Delle-Karth (Vienna), L. Müller (Innsbruck)

- Risk Scores for AV Patients: Defining inoperable, high Risk and intermediate Risk Groups T. Walther (Bad Nauheim)
- TAVI versus SAVR: Update on randomized and centerspecific Trials H. Reichenspurner (Hamburg)
- The Prosthesis / size mismatch Problem S. Martens (Münster)

Invited Keynote Lecture

- Update on the GARY Registry T. Walther (Bad Nauheim)

17.00 – 17.30 Break

17.30 – 19.00 Session B: TAVI Pro-Con

Chair: H. Reichenspurner (Hamburg), T. Walther (Bad Nauheim)

Who should do transvascular TAVI?

- Transvascular TAVI should be done by Cardiologists G. Delle-Karth (Vienna)
- Transvascular TAVI should be done by the Heart Team H. Treede (Hamburg)
- Transvascular TAVI should be done by Surgeons S. Bleiziffer (Munich)

Should TAVI be expanded to intermediate Risk Patients

- Pro R. Maier (Graz)
- Con J. Kempfert (Berlin)

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WEDNESDAY, March 11, 2015– SCIENTIFIC PROGRAM

8.15 – 11.00 Free Presentations

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

- Sutureless bioprosthesis, ideal solution for some patients with aortic stenosis? A. Mokracek (Ceske Budejovice)
- Complex multisegmental chronic disease of the thoracic aorta. Different surgical approaches: result analysis A. Cruz Tomas (Lisboa)
- Predictors of aortic complications in the long-term period after aortic valve replacement E. Rosseikin (Penza)
- Sutureless aortic valve replacement in a previous aortic valve homograft T. Graham (Birmingham)
- Aortic sparing surgery in bicuspid aortic valve disease M. Diena (Novara)
- Implantation Of Safely Modified Aortic Root Conduit With Coronary Artery Branches E. Rosseikin (Penza)
- How does Savr Compete with Tavr In Octogenarians or should Savr Even be the Treatment of Choice S. Hohe (Vogtareuth)
- Optimal dose of acetyl-salicylic acid after coronary artery bypass grafting T. Ivert (Stockholm)
- FIM implants with the Tendyne Trans-apical trans-catheter mitral valve implant - a case report - how to do it N. Moat (Brompton)

11.00 – 12.30 Poster Session

12.30 – 14.00 Break

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WEDNESDAY, March 11, 2015– SCIENTIFIC PROGRAM

14.00 – 15.30 Workshop: Sternal Wound Closure Techniques

T. Fleck (Vienna)

15.30 – 19.00 AFTERNOON SESSION

15.30 – 17.00 Session A: The Choice of TAVI Prosthesis: The Right Prosthesis in the Right Patient

Chair: M. Grimm (Innsbruck), H. Reichenspurner (Hamburg)

- Sapien 3 Valve N. Bonaros (Innsbruck)
- Symetis Valve J.Kempfert (Berlin)
- Engager Valve H. Treede (Hamburg)
- Jena Valve O. Reuthebuch (Basel)

17.00 – 17.30 Break

17.30 – 19.00 Session B: Minimally Invasive Aortic Valve Surgery

Chair: J. Bonatti (Abu-Dhabi), M. Glauber (Milano)

- Upper Hemisternotomy Approach for AVR M. Grimm (Innsbruck)
- Right Anterior Thoracotomy Approach for AVR G. Laufer (Vienna)
- Right Anterior Thoracotomy for Double Valve Procedures M. Glauber (Milano)
- The place of robotically Assisted Valve Surgery J. Bonatti (Abu-Dhabi)

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THURSDAY, March 12, 2015 – SCIENTIFIC PROGRAM

8.15 – 11.00 Free Presentations

Chair: M. Gorlitzer (Vienna), E. Weigang (Berlin)

- Outcome after carotid surgery- what is required, what is reality? E. Weigang (Berlin)
- TAVIs- one way to tailored surgery B. Podesser, (Vienna)
- Stroke in surgery of the aortic valve: to enlarge the aortic root or not? V. Karnakhin (Russia)
- TAVI vs standard biological valve appropriate usage monitoring technique F. Bartoccioni (Roma)
- CVC infection and sepsis: a Horizon Scanning of a new device F. Bartoccioni (Roma)
- Non-concomitant hybrid ablation using the Estech Cobra device for the treatment of longstanding Persistent Atrial Fibrillation: An initial single-centre experience M. Dalrymple Hay (Plymouth)
- Long term results of the David reimplantation technique M. Diena (Novara)
- Further Insights in Acute kidney injury after TAVI: Onset Time Shows Significant Impact on Severity and Survival M. Scherner (Cologne)

11.00 – 12.30 Poster Session

12.30 – 14.00 Break

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THURSDAY, March 12, 2015 – SCIENTIFIC PROGRAM

14.00 – 15.30 Workshop: Therapy Options for Cardiogenic Shock

D. Zimpfer (Vienna)

15.30 – 19.00 AFTERNOON SESSION

15.30 – 17.00 Session A: Guidelines and Standards

Chair: M. Moritz (Frankfurt), J. Pirk (Prague)

- Root replacement with a bioprosthetic root

G. Di Giammarco (Chieti)

Invited Keynote Lecture

- New Guidelines for Myocardial Revascularisation

P. Kolh (Liege)

- A Multicenter Propensity-score Analysis of 991 Patients with Severe Aortic Stenosis and Intermediate-high Risk Profile: Conventional Surgery versus Sutureless Valves versus TAVR

C. Muneretto (Brescia)

17.00 – 17.30 Break

17.30 – 19.20 Session B: Biological Solutions for Aortic Valve Disease

Chair: A. Liebold (Ulm), P. Zilla (Cape Town)

- Decellularized Aortic Homografts in clinical Practice

G. Tudorache (Hannover)

- Valve Surgery at the interface of 1st and 3rd World

P. Zilla (Capetown)

- The Ross-Operation

A. Moritz (Frankfurt)

- Aortic Root Repair in Patients with Marfan Syndrome

C. Dettler (Hamburg)

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FRIDAY, March 13, 2015 – SCIENTIFIC PROGRAM

8.15 – 11.00 Free Presentations

Chair: R. Moidl (Vienna), W. Wandschneider (Vienna)

- Tissue engineered heart valve leaflet substitute in orthotopic aortic position in a sheep model – preliminary results M. Schweiger (Zurich)
- Performance of Euroscore II compared to Additive and Logistic Euroscore in predicting hospital and midterm mortality in octogenarians undergoing cardiac surgery procedures M. Rahman (Exeter)
- Outcomes of Isolated Aortic Valve Replacement in a Rheumatic Population J. Scherman (Cape Town)
- Valve-In-Valve Procedures in Failing Biological Xenografts using a Novel Balloon-Expandable Device: Experience in Aortic, Mitral And Tricuspid Positions A. Schäfer (Hamburg)
- CRT-implantation in elderly patients: is there a higher perioperative risk? Y. Schneeberger (Hamburg)
- Cardioplegia Strategies in Standard and Complicated Situations during Coronary Artery Bypass Grafting A. Kiryaev (Moscow)

11.00 – 12.30 Poster Session

12.30 – 14.00 Break

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FRIDAY, March 13, 2015 – SCIENTIFIC PROGRAM

14:00 – 15:30 Workshop: Tissue Engineering

M. Gorlitzer (Vienna), J. Meinhart (Vienna)

15.30 – 19.00 AFTERNOON SESSION

15.30 – 17.00 Session A: Technical Challenges and Complications

Chair: M. Gaspar (Timisoara) P. Vogt (Zurich)

- Challenges in minimal invasive valve surgery L. Müller (Innsbruck)
- Aortic Root Endocarditis P. Vogt (Zurich)
- Direct Flow MedicalTM Transcatheter Heart Valve in a Cardiac Surgical Setting –TAVI Beyond Aortic Position A. Liebold (Ulm)

17.00 – 17.30 Break

17.30 – 19.00 Session B: Total Artificial Heart and The Aortic Valve in Special Situations

Chair: P. Jansen (Paris), D. Zimpfer (Vienna)

Invited Keynote Lecture

- The CARMAT Total Artificial Heart P. Jansen (Paris)
- LVAD Surgery and the Aortic Valve D. Zimpfer (Vienna)
- Apicoaortic Conduits as alternative treatment for Aortic Stenosis O. Reuthebuch (Basel)

18.50 – 19.00 Future Meeting, Adjourn

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

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POSTER PRESENTATION DURING THE CONGRESS

- The Efficacy Of Two Different Protocols Of Mechanical Postconditioning After Controlled Reperfusion For Patients Undergoing Elective Coronary Artery Bypass Grafting Y. Ostrofsky (Minsk)
- Thrombocytopenia after aortic valve replacement with stented (Perimount), stentless (Pericarbon Freedom, Freedom SOLO) and sutureless (3f Enable, Perceval S) bioprostheses O. Stanger (Berne)
- The New Full Flow Mechanical Beblefleats Valve E. Rosseikin (Penza)
- Anatomic prerequisites for valve-containing aortic root conduit modification with coronary artery branches E. Rosseikin (Penza)
- Transfemoral TAVI without pre-dilatation using balloon-expandable devices – a case-matched analysis A. Schäfer (Hamburg)
- How many TAVI is appropriate to perform in your institution?
How to calculate the right appropriate number of TAVI F. Bartoccioni (Roma)
- Valve-in-Valve TAVI for failing stentless bioprostheses N. Moat (Brompton)
- One year outcome on 616 patients receiving a stentless bioprosthesis the first results from an European Multicentric study M. Thalmann (Vienna)
- Management of Valvular Disease In Pregnancy:
a Global Perspective K. Sliwa (Cape Town)
- BITA versus LITA Grafting in patients with high risk of wound complications I. Pets (Moscow)