

A MEETING DESIGNED FOR THE
CONTEMPORARY HEART-TEAM



HEART TEAM

2016 MITRAL VALVE MEETING

FEBRUARY 14 – 16, 2016
ZURICH, SWITZERLAND

OBJECTIVES:

- To shape the future of mitral interventions
- To enable fruitful collaboration among specialists
- To fulfill the needs of the Heart Team
- To get into the details
- To deliver both practical and visionary concepts
- To develop future treatments while improving today's outcomes
- To move the field to the next level



WELCOME

MITRAL VALVE MEETING

A meeting designed for the CONTEMPORARY HEART-TEAM

The first *Mitral Valve Meeting* was a great success which went beyond expectations. We now feel ready to take this venture a step forward in order to make the meeting classic par excellence for those who are passionate about the mitral valve.

The upcoming **2nd Mitral Valve Meeting 2016** will feature even more interaction and practical workshops. We plan to organize educational events for the Heart-Team, with hands-on new technologies, imaging and other subjects related to mitral valve interventions, from surgery to catheter-based technologies. Several live cases will enable interactive and passionate discussions. Collaboration with the industry will expose participants to the most modern technologies and give them a glimpse into the future.

Make sure that you are part of it! Contribute and shape the future of valve interventions! Together we can define the complementary role of medical, transcatheter and surgical therapies. As modern physicians, we should be aware of the different options available to us and be able to choose the best one for the patient. This task cannot be achieved without a team approach.

The Heart-Team approach involves strict collaboration of physicians with different backgrounds sharing the same objective of delivering the most appropriate and modern therapy tailored to patient needs.

Heart-Team.org is the website designed for this multidisciplinary team. In the future, it is our ambition that this site will allow physicians to find the necessary information to fill gaps of knowledge between their specialities. Our aim is to improve communication and, in turn deliver seamless care to patients. On the website you will currently find some material from the *1st Mitral Valve Meeting* including our scientific program and faculty.

Once again, we would like to take this opportunity to invite you to register, to attend and participate in the second edition of this exciting and growing educational program.



Francesco Maisano



CONGRESS VENUE

University Hospital Zurich
Rämistrasse 100
8091 Zurich
Switzerland

CONGRESS SECRETARIAT



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REGISTRATION DESK

Sunday, February 14, 2016 08:00 – 20:00
Monday, February 15, 2016 07:00 – 19:00
Tuesday, February 16, 2016 07:00 – 15:30

CONGRESS OFFICE

HSEC Swiss
at the University Hospital Zurich
(congress venue)
The congress documents will be handed out to the registered participants and on-site registration will be possible during the office hours.

EXHIBITION

February 14 – 16, 2016
The industrial exhibition will take place close to the auditorium of University Hospital Zurich (congress venue). Please contact the Congress Secretariat for further information.

THE MITRAL APP



SCIENTIFIC SECRETARIAT

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ACCREDITATIONS



SGHC
SSCC

SGHC – Swiss Society for Cardiac and thoracic vascular surgery
The event is accredited with 20 credits.

SGK - Schweizerischen Gesellschaft für Kardiologie

The Event is credited with 24h 1 A.

SGAR - Schweizerische Gesellschaft für Anästhesiologie und Reanimation

The Event is credited with 21.5 Credits (Sunday 8 Credits, Monday 8 Credits, Tuesday 5.5 Credits)

Certificates of attendance will be send out by email after the conference!



SCIENTIFIC COMMITTEE

COURSE DIRECTORS

Francesco Maisano,
University Hospital
Zurich, Switzerland

Martin B. Leon,
Columbia University
New York, NY, USA

COURSE CO-DIRECTORS

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Antonio Colombo, Milan, Italy
Carlos E. Ruiz, New York, NY, USA

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Alec Vahanian, Paris, France
Stephan Windecker, Bern, Switzerland

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Amir Gross, Or Yehuda, Israel
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Nina Wunderlich, Darmstadt, Germany

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Stefano Benussi, Zurich
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Maximilian Emmert, Zurich
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Maurizio Taramasso, Zurich
Alberto Weber, Zurich
Markus Wilhelm, Zurich
Jasmin Zmudczynski, Zurich



SCIENTIFIC PROGRAM

Sunday, February 14th - 2016

08:00 – 08:30	Registration	room Auditorium
08:30 – 09:00	Introduction to the workshops	room Auditorium F. Maisano
09:15 – 11:15	First workshop module session	room Schulungszentrum
11:15 – 12:00	Lunch Symposium	room Schulungszentrum
12:00 – 14:00	Second workshop module session	room Schulungszentrum
14:15 – 16:15	Third workshop module session	room Schulungszentrum
16:30 – 18:30	Fourth workshop module session	room Schulungszentrum

Module sessions contain 8 different workshops, except for module 4, which contains 9. Additional details in the Workshop Program.

18:45 – 20:00	Mitral Valve Warm-up: Live in a box cases with transcatheter CE marked devices Recorded cases and meet the expert <i>Chair: J.-L. Pomar, M. B. Leon, H. Ince, F. Maisano</i>	room Auditorium
	18:45 - Case in a box 1: MitraClip	O. Franzen
	19:00 - Case in a box 2: Mitralign	R. T. Hahn
	19:15 - Case in a box 3: Neochord	G. Gerosa
	19:30 - Case in a box 4: Carillon	R. S. von Bardeleben
	19:45 - Case in a box 5: Cardioband	G. Nickenig
20:30 – 22:30	Training dinner - MitraClip to perfection: a practical workshop for advanced MitraClip users <i>(participation by invitation only)</i> <i>supported by an unrestricted educational grant from Abbott</i> <i>Chair: H. Ince, F. Maisano</i>	
	20:50 - Mitral anatomy for MitraClip	M. Reisman
	21:00 - Echo for MitraClip: complex made simple	N. Wunderlich
	21:10 - Clipping strategy	F. Maisano
	21:50 - Pushing the limits	S. Kar
	22:00 - Zipping by clipping and other tricks	H. Ince
	22:10 - Combination approach (MC+TAVI, LAA)	F. Nietlispach



Monday, February 15th - 2016

- 07:30 – 08:30** **Breakfast sessions**
- **Session 1: Carillon: Coronary sinus annuloplasty** *room Kleiner Hörsaal*
Chair: S. Goldberg
- 07:30 – Introduction: session objectives *S. Goldberg*
- 07:35 – Clinical Outcomes Leading to the First Randomized, Blinded Study of FMR *M. Haude*
- 07:50 – New Perspectives on Imaging for Patient Selection, Procedural Planning and Patient Follow-up *C. Hammerstingl*
- 08:10 – Cinch, Pinch or Pace: Multimodal Therapeutic Approaches to FMR *R. S. von Baderleben*
- **Session 2: Mitralign – Valvular repair solutions** *room B15*
Chair: S. Kar
- 07:30 – Introduction: session objectives *S. Kar*
- 07:35 – The Surgeons' perspective *N. Moat*
- 07:50 – The Interventional Cardiologists' perspective *A. Latib*
- 08:10 – The Echocardiographers' perspective *R. Hahn*
- 08:30 – 08:45** **Heart-Team for Mitral interventions** *room Auditorium*
M. B. Leon, T. Lüscher, F. Maisano
- 08:45 – 09:00** **TAVI vs. TAMI (Transcatheter MV Intervention): Similarities, Differences, and Roadmap for Future Success** *M. B. Leon*
- 09:00 – 12:00** **LIVE CASES, STATE of the ART, and EVIDENCE** *room Auditorium*
Chair: O. Alfieri, M. B. Leon, J.-L. Pomar, S. Windecker
Panel: A. Colombo, S. Demertzis, M. Glauber, A. Linka, P. Müller-Widmer, H. Rickli, F. Ruschitzka, C. E. Ruiz, F. Siclari, C. Steffen, F. Tanner, A. Vahanian, A. Vuilliomenet, J. G. Webb
- **MitraClip live case**
- **Surgical minimally invasive Mitral Valve Repair live case**
- Lectures (7 Minutes):
1. Anatomy of the mitral valve *M. Reisman*
 2. Echo guidance for Dummies: 10 tips to remember *R. T. Hahn*
 3. The year 2015 in EHJ and EHJ HF *T. Lüscher*
 4. The year 2015 in Eurointervention *P. W. Serruys*
 5. Current Mitral Valve guidelines *R. Rosenhek*
 6. Evidence for mitral interventions *S. Windecker*
 7. Hemodynamics during Mitral interventions *O. Gämperli*
 8. Transapical vs transfemoral approach for Mitral interventions *G. P. Fontana*
 9. Combined annuloplasty and MitraClip *G. Nickenig*



SCIENTIFIC PROGRAM

Monday, February 15th - 2016

12:00 – 12:30 **Wrap up, Heart Team interactive discussion**

12:30 – 13:30 **Lunch Symposia: eating, learning and networking**

Lunch box 1: Transcatheter mitral interventions after surgery **room B15**

supported by an unrestricted educational grant from St. Jude Medical

Chair: E. Eeckhout, F. Nietlispach, J. Bax

12:30 - PV leak: Imaging and diagnostic work up

A. Delabays

12:40 - PV leak: The antegrade transseptal approach

E. Eeckhout

12:50 - PV leak: The retrograde transapical approach

M. Swaans

13:00 - Mitral PV leaks: how to choose the best Plug

F. Nietlispach

13:10 - Discussion

13:20 - Valve in Ring with DirectFlow and state of the art

N. Moat

Lunch box 2: State of the heart mitral valve treatment **room Kleiner Hörsaal**

supported by an unrestricted educational grant from Medtronic

Chair: R. Chitwood, J.-L. Pomar, F. Grigioni

12:30 - Introduction: session objectives

J.-L. Pomar

12:35 - Patient selection for surgical mitral valve therapy

F. Grigioni

12:45 - Mitral & Tricuspid Surgical Valve Repair Indications:

Clinical Experience using different ring designs

R. Lange

12:57 - MICS Mitral Repair: What Does MICS Really mean?

H. Vanermen

13:10 - Transcatheter Mitral Valve Replacement:

The Medtronic Intrepid Valve System

V. Bapat

13:20 - Conclusion: Key learnings

J.-L. Pomar

13:25 - Discussion

13:30 – 13:45

Keynote lecture

room Auditorium

An anatomical journey through the mitral valve apparatus

M. Reisman

13:45 – 14:35

Taking the right decision in DMR patients

room Auditorium

Chair: O. Alfieri, J. Bax, M. Borger, T. Moccetti

13:45 - Case presentation: a DMR patient with potential for surgical or interventional approach

H. Rickli

13:55 - Surgical techniques to repair this mitral valve minimally invasively

H. Vanermen

14:15 - Annuloplasty in DMR: is it a must?

G. Gerosa

14:25 - Replacing the Mitral valve in DMR: When, why and which prosthesis

M. Borger



Monday, February 15th - 2016

14:35 – 15:55

Mastering DMR patients with transcatheter techniques: flashes of experience

Chair: O. Franzen, M. Glauber, M. B. Leon, R. Rosenhek

14:35 - Mitraclip: transeptal puncture and
procedural strategy for DMR

T. Feldman

14:45 - MitraCLip Targeting clefts in DMR patients

R. S. von Bardeleben

14:55 - How to implant a clip in a wide prolapse

O. Franzen

15:05 - How to target a commissural prolapse

N. Wunderlich

15:15 - Combining MitraClip and Amplatzer

F. Maisano

15:25 - Redo MC with MitraClip

M. Zuber

15:35 - Neochord: an alternative to MitraClip and to surgery

G. Gerosa

15:45 - Combining MC and LAA occlusion

F. Nietlispach

15:55 – 16:10

Coffee break and taped cases

16:10 – 18:20

Technology parade:

room Auditorium

All you need to know about new technologies that are going to be in your practice in the next 2 years

Chair: G. P. Fontana, E. Grube, B. Meier, G. Sütsch

16:10 - MValve - Technology Presentation

E. Grube

16:20 - Tiara - live in a box

A. Cheung

16:30 - Mitralign Mitral-Tricuspid - live in a box

A. Latib

16:40 - Sinomed - live in a box

P. W. Serruys

16:50 - Fortis - live in a box

V. Bapat

17:00 - Cardioband - clinical data

G. Nickenig

17:10 - Carillon - live in a box

C. Hammerstingl

17:20 - 4Tech Tricuspid solution - live in a box

F. Nietlispach

17:30 - HighLife - live in a box

R. Lange

17:40 - Chordart

A. Weber

17:50 - DFM Mitral - live in a box

A. Latib

18:00 - Millipede Clinical Update - live in a box

E. Grube

18:10 - Micro Interventional Devices - Technology Presentation

W. Hennemann



SCIENTIFIC PROGRAM

Monday, February 15th - 2016

18:20 – 19:20

The Mitral context for the best treatment

room Auditorium

Chair: M. J. Mack

Jury: J. Bax, F. Eberli, M. Haude, M. B. Leon, H. Rickli

18:20 - Case presentation

P. Müller-Widmer

How would I treat:

18:25 – Conventional sternotomy is safe and effective

O. Alfieri

18:32 – Minithoracotomy is the best for my patients

H. Vanermen

18:39 – Robotics gives you no limits

R. Chitwood

18:46 – Transcatheter repair is not palliation

F. Maisano

18:53 – The future is Transcatheter replacement

S. Windecker

19:00 – **Panel discussion:** *J. Bax, F. Eberli, M. Haude, M. B. Leon, H. Rickli, M. J. Mack*

19:15 – **Voting and Prize Ceremony**

M. J. Mack

20:00 – 22:30

Mitral Valve Dinner - The Fifth Element

supported by an unrestricted educational grant from

Medtronic, Tendyne, Edwards, CardiaQ, Boston Scientific

20:05 – Intro Lecture

20:10 – Case in a box 1: Tendyne

N. Moat

20:55 – Case in a box 2: Neovasc

A. Cheung

21:05 – Case in a box 3: CardiaQ

G. P. Ussia

21:50 – Case in a box 4: Twelve Case

V. Bapat

22:00 – Case in a box 5: Millipede Case

E. Grube

22:10 – Adjourn



Tuesday, February 16th - 2016

07:30 – 08:00	Breakfast sessions Cardioband – another step towards surgical standards <i>Chair: O. Alfieri, M.J. Mack, G.Nickenig, A. Vahanian</i>	<i>room Kleiner Hörsaal</i>
	07:30 – Percutaneous annuloplasty: another step towards surgical standards	<i>O. Alfieri</i>
	07:37 – Cardioband clinical study results update	<i>M.J. Mack</i>
	07:44 – Cardioband step by step case	<i>G.Nickenig</i>
	07:53 – Cardioband: The ideal patient	<i>A. Vahanian</i>
08:00 – 09:00	Echo, Coffee and “Gipfeli” - Live ECHO Screening of MR Breakfast-in-a-box with live TEE/TTE - interactive moderated panel discussion	<i>room Auditorium</i>
	<i>Chair: M. Enriquez-Sarano</i>	
	<i>Panel: O. Alfieri, F. Faletra, R. Jenni, T. Moccetti, G. Nickenig, F. Tanner, P. Vogt, J. G. Webb</i>	<i>M. Zuber</i>
09:00 – 12:00	Live cases, state of the art lectures, and evidence	<i>room Auditorium</i>
	<ul style="list-style-type: none"> • Percutaneous live case • Surgical minimally invasive Mitral Valve live case Procedure 	
	<i>Chair: F. S. Eckstein, H. Ince, M. J. Mack</i>	
	<i>Panel: O. Alfieri, D. Delay, C. Gruner, H. Ince, A. Khattab, G. Laufer, A. Linka, T. Moccetti, P. Müller-Widmer, H. Rickli, P. Vogt</i>	
	Lectures	
	1. My 5 rules for ideal MitraClip patient selection	<i>G. Nickenig</i>
	2. My 5 rules for CT-based patient selection	<i>P. Blanke</i>
	3. Image-guided patient selection for surgery or intervention	<i>M. Enriquez-Sarano</i>
	4. Valve-in-Valve: a case example with Lotus valve and state of the art	<i>E. Grube</i>
	5. My 5 rules for optimal outcomes in MICS	<i>H. Vanermen</i>
	6. My 5 rules for the ideal mitral repair	<i>O. Alfieri</i>
	7. My 5 rules for perivalvular leak closure	<i>C. E. Ruiz</i>
	8. Fusion imaging	<i>R. T. Hahn</i>
	9. Mitral interventions and LAA occlusion	<i>F. Nietlispach</i>
	10. Clinical Case: MR post MitraClip + Plug	<i>G. Pedrazzini</i>



Tuesday, February 16th - 2016

12:00 – 13:00

Imaging the mitral valve

room Auditorium

Chair: C. E. Ruiz

Panel: H. Alkadhi, M. J. Mack, P. Kaufmann, J.-L. Pomar

12:00 - New directions in TEE and fusion imaging

R. T. Hahn

12:15 - CT planning and patient selection for TMVR

P. Blanke

12:30 - The imaging of the future and the future of imaging

C. E. Ruiz

12:45 - Discussion with the audience

13:00 – 13:45

Lunch Symposia: eating, learning and networking

Lunch box 1: MitraClip for excellence

room Kleiner Hörsaal

supported by an unrestricted educational grant from Abbott

Chair: R. S. von Bardeleben, F. Maisano

13:00 – Step-by-step MitraClip for excellence

F. Maisano

13:10 – DMR: a recipe

H. Ince

13:20 – FMR: a recipe

R. S. von Bardeleben

13:30 – Mastering echo-guided transeptal puncture

M. Reisman

13:40 – Discussion

Lunch box 2: Dealing with annular calcification (MAC)

room B15

Chair: A. Vahanian

13:00 – Dealing with calcific annulus in repair and replacement

M. Borger

13:15 – Aortic transcatheter valves in mitral position

A. Vahanian

13:25 – Catheter based mitral intervention in a calcific environment

N. Moat

13:40 – Discussion

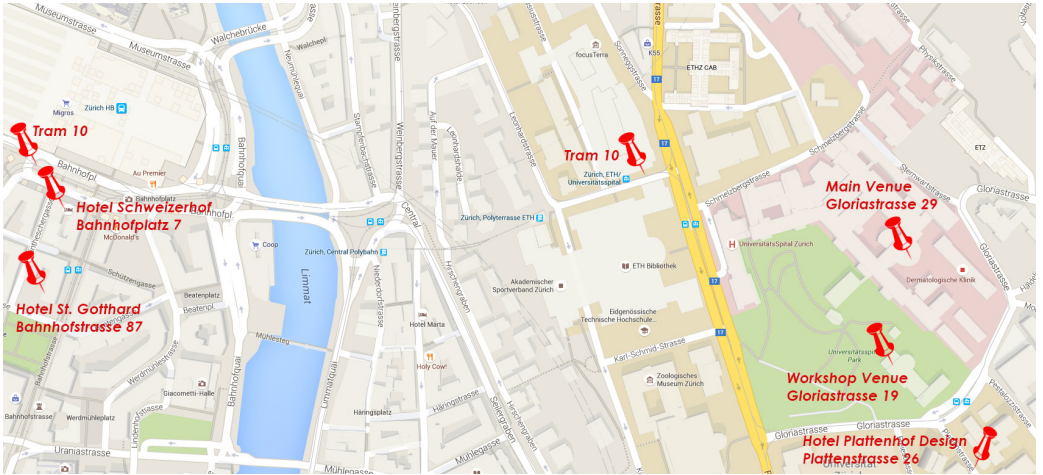


Tuesday, February 16th - 2016

- 13:45 – 15:00** **Taking the right decision in FMR patients** **room Auditorium**
Chair: G. P. Fontana, M. B. Leon, F. Maisano, F. Ruschitzka
- Panel: G. Filippatos, H. Rickli, P. Wenaweser*
- 13:45 – Case presentation
- 13:50 – FMR in heart failure: the cause or the effect? *F. Grigioni*
- 14:00 – Surgical techniques for FMR *O. Alfieri*
- 14:10 – The CTS trial: repair or replacement *M. J. Mack*
- 14:20 – Why Surgical Treatment for FMR has Failed
 (why PMVR may be better) *G. P. Fontana*
- 14:30 – MitraClip in FMR, is there a future? *F. Maisano*
- 14:40 – The role of transcatheter annuloplasty *M. Enriquez-Sarano*
- 14:50 – Heart failure therapies spectrum: the
 complementary role of repair, replacement,
 medical therapy, VAD, telemonitoring *F. Ruschitzka*
- 15:00 – 15:20** **FINAL PANEL DISCUSSION:** **room Auditorium**
**Mitral interventions and heart failure: challenges,
 opportunities, knowledge gaps**
- Chair: M. B. Leon, T. Lüscher, F. Maisano, F. Ruschitzka*
- Panel: F. Eberli, A. Linka, P. Müller-Widmer, H. Rickli,
 P. Wenaweser, H. Vanermen, A. Vuilliminet*
- Which therapy to which patient (patient selection, timing
 for interventions, transcatheter expectations, current
 guidelines and future directions)
- 15:20 – 15:30** **CLOSING Keynote:**
**Mitra SWISS: the gold mine of data: what have we learned
 from Swiss registries, what can we do more.** *G. Pedrazzini*
- 15:30** **Adjourn**



VENUE MAP



Public transport:

Hotel Schweizerhof - MVM 2016 (University Hospital) - Tram 10 - travel time 8 min

Hotel St. Gotthard - MVM 2016 (University Hospital) - Tram 6 & 10 - travel time 9 min

Hotel Plattenhof Design - MVM 2016 (University Hospital) - Walk time 5 min



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