The Heart Team Course - focus on transcatheter therapies for valvular heart disease

17-19 November 2019
ExCel London, London, United Kingdom

Programme

Valid as of 29 January 2020

Designations used by companies to distinguish their products are often claimed as trademarks. All brand names and product names used in this programme are trade names, service marks, trademarks or registered trademarks of their respective owners.
**ROOM 2**

**Educational Pathway: Bicuspid Aortic Valve**

**Workshop**

**- 11:00 -**

Aortic anatomy and pathophysiology LIVE - An in-depth interactive workshop

*Facilitators: N. Dumonteil, B. Prendergast*

*Panellists: K. Poon, M. Swaans, M. Tabata*

**Attend this session if you want:**
- To learn more about the anatomy and pathology of aortic valve disease
- To participate in a lively interactive session addressing the anatomical challenges associated with aortic valve intervention
- To appreciate how this knowledge can translate into better clinical outcomes for your patients

**11:00 - 12:30**

**ROOM 3**

**Level 01**

**Workshop**

How to prevent and solve TAVI vascular complications

*Facilitators: M. Haude, F. Hellig, C.I. Tamburino*

**Attend this session if you want:**
- To learn how to recognise the potential for an access site complication during TAVI, facilitating early detection
- To learn how to manage the most common and most serious access site complications
- To appreciate the importance of a team approach and an adequately equipped cathlab to prevent and manage access site complications during TAVI

**11:00 - 12:30**

**ROOM 4**

**Level 01**

**Workshop**

Special procedures: coronary access after TAVI

*Facilitators: A. Latib, D. Tchetche*

**Attend this session if you want:**
- To understand which aortic root anatomies increase the risk of coronary obstruction after TAVI
- To appreciate challenges related to coronary access post TAVI
- To improve your skills in cannulating coronary arteries with a TAVI device in place

**11:00 - 12:30**

**ROOM LEARNING**

**Level 01**

**Educational Pathway: Transseptal Access For Mitral Valve Procedures**

**Focus on Essential Learning**

**Essential Learning: transseptal puncture for mitral interventions**

*Facilitators: M. Andreas, L. Sondergaard*

*Media Driver: N. Ruparelia*

**Attend this session if you want:**
- To understand the key anatomical landmarks for safe transseptal access guided by echocardiography
- To identify target transseptal locations for specific mitral valve procedures
- To know how to diagnose and treat the most frequent complications of transseptal puncture
11:00 - 12:00
INTERACTIVE CASE CORNER
Level 01
Educational Pathway: Electrosurgery (BASILICA/Transcaval)
Case Discussion

11:00
Aortic root tricuspidisation: applying BASILICA for bicuspid aortic valves
D. Dvir

11:05
Discussion and audience interaction

11:10
Successful treatment of a paraavalvular leak with valve-in-valve TAVR and bioprosthetic ring fracturing
H. Ruge

11:15
Discussion and audience interaction

11:20
Transcaval BASILICA TAVI: when there is no room in the root and no room in peripheral vessels
D. Dvir

11:25
Discussion and audience interaction

11:30
Cracking the Russian dolls
G. Tang

11:35
Discussion and audience interaction

11:40
Asymmetric BASILICA to prevent coronary obstruction for repeat TAVR
K. Gopal

11:45
Discussion and audience interaction

11:50
First European experience with the BASILICA technique to facilitate redo TAVI in a failed self-expanding valve
M. Abdel-Wahab

11:55
Discussion and audience interaction

11:00 - 12:30
STRUCTURAL INTERVENTION SKILLS ROOM
Level 01
Simulation-based learning

11:00 - 12:30
IMAGING LEARNING CENTRE
Level 01
Focus on Imaging
Imaging Learning Centre

11:00 - 12:30
Understanding and applying fusion imaging for transcatheter valvular interventions
Facilitator: N. Piazza
Speakers: H. Ebelt, T. Modine, R.S. Von Bardeleben

11:00 - 12:30
MITRAL AND TRICUSPID LOUNGE
Level 01
Simulation-based learning

11:00 - 12:30
BASILICA and ring cracking
Session comprising selected PCR London Valves 2019 clinical case submissions
Facilitators: J. Hancock, R. Lederman, R. Yadav

11:00 - 12:30
Basic wire skills for structural valve intervention
A joint educational project between PCR and Zurich HeartLab
Facilitator: P. Haager
Enablers: A. Ferrero Guadagnoli, S. Kuwata, I. Pascual, A. Pozzoli, J. Sromicki

Attend this session if you want:
› To learn the basic skills of structural intervention, as an introduction to future work in the cathlab
› To understand the basics of catheter interventions and improve your ability to support cases
› To get familiar with the material needed to perform mitral, tricuspid and aortic procedures

Open session of 90 minutes on a first come first served basis.

11:00 - 12:30
Complications during mitral intervention: prevention and management
A joint educational project between PCR and Zurich HeartLab
Facilitator: M. Taramasso
Enabler: M. Canic

Attend this session if you want:
› To reduce the risk of procedural complications during transcatheter mitral intervention
› To learn more about the prevention and management of potential complications via interaction with experts and your peers

Open session of 90 minutes on a first come first served basis.

11:00 - 12:30
Transseptal puncture: in-depth hands-on learning
A joint educational project between PCR and Zurich HeartLab
Facilitator: M. Sarraf
Enablers: C. Godino, G. Leite, M. Miura, M. Montenegro, G. Russo

Attend this session if you want:
› To become more familiar with the details of transseptal puncture using different simulation modalities
› To learn how to manage difficult atrial septal anatomy
› To expand your opportunities and embrace the revolution in mitral valve intervention

Open session of 90 minutes on a first come first served basis.
- 12:00 -

**Surgical and transcatheter mitral intervention - mechanisms and clinical application**
Session comprising selected PCR London Valves 2019 abstract submissions

**Facilitators:** G. Dahle, P. Genereux, M. Swaans

12:30  
† Valvular remodelling and myocyte dysfunction at an early stage of ischaemic mitral regurgitation in a relevant translational pig model

12:35  
† Discussion and audience interaction

12:39  
† Applicability of the COAPT trial in the real world
  *E. Zancanaro*

12:44  
† Discussion and audience interaction

12:48  
† Acute severe mitral regurgitation with cardiogenic shock following balloon mitral valvuloplasty: echocardiographic findings and outcomes following surgery
  *A. Ananthakrishna Pillai*

12:53  
† Discussion and audience interaction

12:57  
† A systematic review of surgical and TMVR in patients with mitral annular calcification
  *S. Alexis*

13:02  
† Discussion and audience interaction

13:06  
† Automatic mitral annulus detection and quantification for consistent pre-TMVR planning
  *P. Lopes*

13:11  
† Discussion and audience interaction

- 13:00 -

**Room 2**
**Level 01**
**Workshop**

**Mitral anatomy and pathophysiology LIVE - An in-depth interactive workshop**

**Facilitators:** C. Grasso, T. Modine  
**Panellists:** F. Praz, M. Reardon, N. Wunderlich

**Attend this session if you want:**

† To learn more about the anatomy and pathology of mitral valve disease  
† To participate in a lively interactive session addressing the anatomical challenges associated with mitral valve intervention  
† To appreciate how this knowledge can translate into better clinical outcomes for your patients

13:15  
† Session objectives
  *C. Grasso*

13:18  
† The landscape of mitral valve interventions and the associated anatomical challenges
  *R. Hahn*

13:25  
† Live transmission from Padua: anatomy and pathology of the mitral valve
  *C. Basso*

13:45  
† Echocardiographic assessment of mitral valve anatomy and hemodynamics
  *J. Buithieu*

13:52  
† CT for patient selection and procedural planning
  *N. Piazza*

13:59  
† What more can MRI provide?
  *C. Bucciarelli-Ducci*

14:06  
† Case example 1: Secondary Mitral Regurgitation / echo challenge
  *J. Hancock*

14:11  
† Discussion with anatomy demonstration from Padua
  *C. Basso*

14:21  
† What did we do?
  *P. Blanke*

14:24  
† Case example 2: Primary Mitral Regurgitation / echo challenge
  *J. Hancock*

14:29  
† Discussion with anatomy demonstration from Padua
  *C. Basso*

14:39  
† What did we do?
  *J. Hancock*

14:42  
† Session evaluation and key learnings
  *T. Modine*
13:15 - 14:45
ROOM 3
Level 01
Workshop

How to predict, prevent and solve TAVI-related coronary occlusion
Facilitators: F. Castriota, F. Ribichini

Attend this session if you want:
› To understand in which cases coronary occlusion can happen during TAVI
› To learn a decision process whether the TAVI procedure can be performed safely despite the risk of coronary occlusion
› To tailor a preventive strategy (plan A), and how to manage the eventual complication of coronary occlusion during TAVI (plan B)

13:15 - 14:45
ROOM 4
Level 01
Educational Pathway: Electrosurgery (BASILICA/Transcaval)
Workshop

Special procedures: transcaval access
Facilitators: S. Redwood, T. Rogers
Panelists: A. Cribier, O. De Backer, D. Dvir, M. Mullen

Attend this session if you want:
› To be prepared to undertake Transcaval access and closure for your TAVI patients
› Session objectives
  T. Rogers
13:15
13:17
› Recorded Case #1 - A simple transcaval case
  M. Kasel
13:22
13:22
› Transcaval A-Z - What you need and how to do it
  A. Greenbaum
13:37
13:37
› Discussion and audience interaction
13:42
13:42
› Transcaval physiology and CT planning
  R. Lederman
13:42
13:42
› Discussion and audience interaction
13:50
13:50
› Transcaval clinical outcomes
  T. Rogers
13:52
13:52
› Discussion and audience interaction
14:00
14:00
› Recorded Case #2: a difficult transcaval case
  L. Sondergaard
14:02
14:02
› Complications and troubleshooting
  V. Babalirios
14:07
14:07
› Discussion and audience interaction
14:22
14:22
› What’s next #1 - A purpose-built transcaval closure device
  R. Lederman
14:27
14:27
› Discussion and audience interaction
14:32
14:32
› What’s next #2 - Transcaval Impella implantation
  A. Greenbaum
14:35
14:35
› Discussion and audience interaction
14:40
14:40
› Session evaluation and key learnings
  S. Redwood
14:43
14:43

13:15 - 14:45
ROOM LEARNING
Level 01
Focus on Essential Learning

Essential Learning: contemporary transfemoral TAVI
Facilitators: T. Lefevre, P. Maccarthy, T. Patterson
Media Driver: C. Cook

Attend this session if you want:
› To understand the key steps of a straightforward transfemoral TAVI procedure
› To identify the key features that distinguish contemporary transfemoral TAVI
› To appreciate the value of an algorithm for early discharge

13:15 - 14:15
INTERACTIVE CASE CORNER
Level 01
Case Discussion

Novel surgical and transcatheter approaches for tricuspid regurgitation
Session comprising selected PCR London Valves 2019 clinical case submissions
Facilitators: J. Hausleiter, M. Taramasso

Attend this session if you want:
13:15
› Bicaval valved stent implantation in patients with severe functional tricuspid regurgitation
  M. Winkel
13:20
13:25
› Discussion and audience interaction
13:25
13:30
› Transcatheter edge-to-edge tricuspid repair for recurrence of valvular regurgitation after left ventricle assist device and tricuspid ring implantation
  M. Andreas
13:30
13:35
› Discussion and audience interaction
13:35
13:40
› ECMO-assisted catheter-based double valve-in-valve in a young patient with adult congenital heart disease
  K. Orvin
13:40
13:45
› Discussion and audience interaction
13:45
13:50
› Treating functional tricuspid regurgitation with a simple solution
  D. Tchetche
13:50
13:55
› Discussion and audience interaction
13:55
14:00
› Percutaneous valve replacement for the treatment of a failing mitral homograft in tricuspid position
  M. Pighi
14:00
14:05
› Discussion and audience interaction
14:05
14:10
› Early outcomes in isolated tricuspid valve surgery
  L. Torracca
14:10
14:15
› Discussion and audience interaction
14:15

TAVI: Mitral valve replacement and repair
Tricuspid / Pulmonary valve
Other valvular and structural interventions
Extreme challenges and creative solutions in valve intervention - A case-based discussion

Facilitators: A. Finkelstein, E. Grube, R. Kornowski

Attend this session if you want:
- To learn and anticipate complications during transcatheter valvular interventions
- To learn creative solutions for challenging transcatheter valvular interventions

13:15 - Session objectives
A. Finkelstein
13:20 - Case 1 presentation
A. Latib
13:36 - Fool me once, shame on you. Fool me twice, shame on me
A. Finkelstein
13:52 - Case 3 presentation
P. Genereux
14:08 - Embolized Sapien3 in MAC: what to do?
R. Makkar
14:16 - Discussion and audience interaction
14:24 - Sudden hemodynamic collapse during TAVI. Deploy the valve or not?
K. Hayashida
14:40 - Session evaluation and key learnings

Basic wire skills for structural valve intervention

A joint educational project between PCR and Zurich HeartLab
Facilitator: A. Ferrero Guadagnoli
Enablers: A. Arjomand, S. Kuwata, I. Pascual, A. Pozzoli, J. Sromicki

Attend this session if you want:
- To learn the basic skills of structural intervention, as an introduction to future work in the cathlab
- To understand the basics of catheter interventions and improve your ability to support cases
- To get familiar with the material needed to perform mitral, tricuspid and aortic procedures

Open session of 90 minutes on a first come first served basis.

Complications during mitral intervention: prevention and management

A joint educational project between PCR and Zurich HeartLab
Facilitator: R. Estevez-Loureiro
Enabler: M. Canic

Attend this session if you want:
- To reduce the risk of procedural complications during transcatheter mitral intervention
- To learn more about the prevention and management of potential complications via interaction with experts and your peers

Open session of 90 minutes on a first come first served basis.

Transseptal puncture: in-depth hands-on learning

A joint educational project between PCR and Zurich HeartLab
Facilitator: C. Godino
Enablers: M. Gavazzoni, M. Miura, S. Okutucu, G. Russo, M. Sarraf

Attend this session if you want:
- To become more familiar with the details of transseptal puncture using different simulation modalities
- To learn how to manage difficult atrial septal anatomy
- To expand your opportunities and embrace the revolution in mitral valve intervention

Open session of 90 minutes on a first come first served basis.

Open - 15:00 -

TAVI: prognostic indicators

Session comprising selected PCR London Valves 2019 abstract submissions
Facilitators: P.T.L. Chiam, J. Hancock, R. Yadav

- 15:00 -

- 15:05 -

- 15:10 -

- 15:15 -

- 15:20 -

- 15:25 -

- 15:30 -

- 15:35 -

- 15:40 -

- 15:45 -

- 15:50 -

- 15:55 -

- 16:00 -

- 16:05 -

- 16:10 -

- 16:15 -

- 16:20 -

- 16:25 -
15:30 - 15:45

Heart valve anatomy 500 years on - Learning from Leonardo da Vinci

Chairpersons: A. Latib, F. Maisano
Panellists: E. Ho, P. Lurz

- Heart valve anatomy 500 years on - Learning from Leonardo da Vinci
  F. Wells

15:30 - 17:00

How to prevent and solve MitraClip complications

Facilitators: T. Lefevre, F. Praz

Objectives:
- To be able to identify clinical scenarios associated with an increased risk of complications in order to prevent during edge-to-edge mitral valve repair
- To learn how to manage common but also less frequent complications during edge-to-edge mitral valve repair
- To appreciate the importance of a team approach when complications occur

15:30 - 17:00

Special procedures: the BASILICA to avoid coronary obstruction in high risk anatomy

Facilitators: J. Khan, S. Windecker
Panellists: M. Abdel-Wahab, V. Babaliaros, R. Lederman, F. Ribichini

Attend this session if you want:
- To review different approaches to predict the risk of coronary obstruction with BASILICA
- To have a deeper understanding of strategies for mitigating the risk of coronary obstruction with BASILICA

15:30 - 16:30

Transcatheter mitral intervention in challenging clinical situations

Session comprising selected PCR London Valves 2019 clinical case submissions

Facilitators: A. Duncan, J.L. Pomar, Y. Watanabe

- MitraClip for flail mitral posterior leaflet and systolic anterior motion of anterior leaflet in patient with hypertrophic obstructive hypertrophic cardiomyopathy
  M. Nakashima
- TMVR for severe mitral regurgitation after TAVI
  R. Ushijima
- Vascular plug device implantation for bailout treatment of severe mitral regurgitation after unsuccessful edge-to-edge repair
  K. Papadopoulos
- Emergency edge-to-edge repair for severe ischaemic mitral regurgitation with severely impaired left ventricular function: a class I indication in the making?
  M. Chrissoheris
- XTR or NTR? To clip a calcified leaflet
  S.J. Lin
- MitraClip with challenging atrial septal anatomy - Utilising the coronary skills toolkit
  A. Davies

15:30 - 17:00

Essential Learning: tailored TAVI planning using CT imaging - Sizing and valve selection (from simple to complex)

Facilitators: D. Mylotte, N. Piazza
Media Driver: M. Pighi

Attend this session if you want:
- To learn how to analyse a TAVI CT in simple and complex anatomy
- To understand how to select the right valve for each patient incorporating anatomical and clinical factors
- To use CT to deliver best outcomes for your TAVI patients
15:30 - 17:00

Pre-procedural planning using virtual simulation and 3D printing
Facilitators: P. De Jaegere, B. Prendergast
Speakers: C. Dowling, M. Eskandari

Attend this session if you want:
- To know more about next generation tools for pre-operative planning for structural heart interventions
- To become more familiar with existing tools such as 3D-printing and patient-specific simulation

15:30
- Session objectives
  P. De Jaegere
15:33
- Patient-specific simulation improves pre-operative planning for structural heart interventions
  B. Prendergast
15:45
- Discussion and audience interaction
15:54
- Patient-specific computed simulation of TAVI in bicuspid aortic valves
  C. Dowling
16:06
- Discussion and audience interaction
16:15
- Patient-specific 3D printing and computer assisted planning for TMVR
  M. Eskandari
16:27
- Discussion and audience interaction
16:36
- Patient-specific simulation in structural heart disease - a glimpse into the future
  P. De Jaegere
16:48
- Discussion and audience interaction
16:57
- Session evaluation and key learnings
  B. Prendergast

15:30 - 17:00

Complications during mitral intervention: prevention and management
A joint educational project between PCR and Zurich HeartLab
Facilitator: P. Denti
Enabler: M. Canic

Attend this session if you want:
- To reduce the risk of procedural complications during transcatheter mitral intervention
- To learn more about the prevention and management of potential complications via interaction with experts and your peers

Open session of 90 minutes on a first come first served basis.

15:30 - 17:00

Basic wire skills for structural valve intervention
A joint educational project between PCR and Zurich HeartLab
Facilitator: A. Arjomand
Enablers: P. Haager, S. Kuwata, I. Pascual, A. Pozzoli, J. Sromicki

Attend this session if you want:
- To learn the basic skills of structural intervention, as an introduction to future work in the cathlab
- To understand the basics of catheter interventions and improve your ability to support cases
- To get familiar with the material needed to perform mitral, tricuspid and aortic procedures

Open session of 90 minutes on a first come first served basis.
**Tricuspid anatomy and pathophysiology LIVE - An in-depth interactive workshop**

**Facilitators:** A. Latib, F. Maisano  
**Panelists:** E. Ho, P. Lurz

Attend this session if you want:  
- To learn more about the anatomy and pathology of tricuspid valve disease  
- To participate in a lively interactive session addressing the anatomical challenges associated with tricuspid valve intervention  
- To appreciate how this knowledge can translate into better clinical outcomes for your patients

15:45  
- Session objectives  
- F. Maisano

15:48  
- The landscape of tricuspid valve interventions and the associated anatomical challenges  
- M. Taramasso

15:57  
**Live transmission from Padua: anatomy and pathology of the tricuspid valve**  
- C. Basso

16:12  
- Echocardiographic assessment of valve anatomy and hemodynamics  
- R. Hahn

16:22  
- CT for patient selection and procedural planning  
- P. Blanke

16:32  
- What more can MRI provide?  
- C. Bucciarelli-Ducci

16:42  
- A patient with severe TR secondary to annular dilatation  
- G. Nickenig

16:47  
**Interactive discussion with anatomy demonstration from Padua**  
- C. Basso

16:55  
- What did we do?  
- G. Nickenig

16:57  
- A patient with severe TR secondary to a permanent pacemaker lead  
- J. Hausleiter

17:00  
**Interactive discussion with anatomy demonstration from Padua**  
- C. Basso

17:07  
- What did we do?  
- J. Hausleiter

17:10  
- Session evaluation and key learnings  
- A. Latib

- 16:00 -

**Complex TAVI procedures: valve-in-valve**  
Session comprising selected PCR London Valves 2019 clinical case submissions  
**Facilitators:** D. Dvir, M. Ministeri, M. Tabata

16:35  
- Valve-in-valve TAVR in stentless bioprosthesis: a matter of height  
- A. Buscaglia

16:40  
- Discussion and audience interaction

16:45  
- Over expanded SAPIEN 3 transcatheter valve-in-valve for severe aortic regurgitation in a degenerated aortic homograft  
- T. Cahill

17:00  
- Discussion and audience interaction

17:05  
- Valve-in-valve TAVR in a patient with late failure of Bentall procedure  
- C. Zivelonghi

17:10  
- Discussion and audience interaction

17:15  
- Transcatheter aortic valve-in-valve implantation with very low coronary artery distance  
- M. Erlebach

17:20  
- Discussion and audience interaction

17:25  
- Landing in the fog - Valve-in-valve TAVR for pure regurgitation into an invisible Bentall conduit  
- H. Ruge

17:30  
- Discussion and audience interaction

- 17:00 -

**Transforming patient access and care for valvular heart disease**

See session details in the Sponsored Programme section at the end of this document.

**Imaging essentials in mitral regurgitation**

See session details in the Sponsored Programme section at the end of this document.
Monday 18 November 2019 - Morning

08:30 - 08:45

PCR London Valves Opening Ceremony

Chairpersons: J. Fajadet, S. Windecker
Panellists: A. Baumbach, Y. Feng, K. Hayashida, N. Piazza, S. Saito, C. Tamburino

08:30
- Welcome from PCR Vice-Chairman J. Fajadet

08:36
- Welcome from the EAPCI Chairman A. Baumbach

08:39
- Introduction to PCR London Valves 2019 B. Prendergast

08:50 - 09:50

Continuous LIVE demonstration from University Hospital of Zurich - Zurich, Switzerland: Transcatheter edge-to-edge repair for primary mitral regurgitation

Chairpersons: M. Haude, M. Mack
Panellists: S. Bleiziffer, V. Falk, A. Jönsson, J.J. Popma, N. Wunderlich, K.K. Yeo
Procedural Expert: F. Praz
React@PCR Expert: T. Lefevre
Operators: P. Haager, F. Maisano, M. Taramasso, M. Zuber
Medical Control Desk: J. Joseph
React@PCR Moderator: G. Witberg

08:50
- Patient presentation M. Haude

08:55
- Imaging analysis N. Wunderlich

09:01
- Discussion on the different indications

09:06
Anatomy, strategy description, and summary of previous steps presented by Operators

09:10
LIVE case procedure

09:40
LIVE Time to React@PCR with Operators

09:00 - 10:30

Introduction to the PCR London Valves 2019 Aortic Track - The key questions in TAVI: where are we in 2019?

Chairpersons: L. Sondergaard, H. Treede
Panellists: A. Lansky, P. Maccarthy, J. Webb, C. Young
React@PCR Moderator: I. Pascual

Attend this session if you want:
- To appreciate the challenges associated with the further expansion of TAVI
- To hear the latest evidence addressing the unresolved questions concerning TAVI
- To understand how to apply this information in your daily clinical practice

09:00
- Welcome to PCR London Valves 2019: overview of the Aortic Track H. Treede

09:10
- The low-risk TAVI trials: implications for clinical practice and international guidelines N. Dumonteil

09:20
- Time to React@PCR

09:29
- Heart Team 2.0: a paradigm shift in contemporary patient management C. Tamburino

09:39
- Time to React@PCR

09:48
- International TAVI registries: how does everyday practice compare with the evidence? T. Vahl

09:58
- Time to React@PCR

10:07
- TAVI: current limitations and unresolved questions M. Abdel-Wahab

10:17
- Time to React@PCR

10:26
- Session evaluation and key learnings L. Sondergaard
Monday 18 November 2019 - Morning

09:00 - 10:30

ROOM 3
Level 01
Tutorial

Introduction to the PCR London
Valves 2019 Mitral and Tricuspid
track - The key questions in
mitral and tricuspid valve
interventions: where are we in
2019?

Chairpersons: H. Ince, N. Piazza
Panellists: D. Adams, M. Metro, M.
Sarano, R.S. Von Bardeleben

Attend this session if you want:

› To appreciate the critical importance of
  the Heart Team in identifying the
  optimal treatment strategy for patients
  with mitral and tricuspid valve disease
› To recognise the challenges of
  transcatheter mitral and tricuspid valve
  interventions and the complexities
  associated with patient and device
  selection
› To understand how to apply this
  information in your daily clinical
  practice

09:00  Welcome to PCR London Valve 2019:
overview of the Mitral and Tricuspid track
N. Piazza

09:10  Mitral and tricuspid valve surgery: state of
the art
R. Lange

09:18  Discussion and audience interaction

09:25  Evidence for transcatheter mitral valve
repair and replacement: implications for
clinical practice and international
guidelines
G. Nickenig

09:33  Discussion and audience interaction

09:40  Transcatheter tricuspid valve interventions
- the perfect storm!
S. Lim

09:48  Discussion and audience interaction

09:55  Imaging the mitral and tricuspid valve: the
devil is in the detail!
J. Buitihieu

10:03  Discussion and audience interaction

10:10  Heart Team 2.0: a paradigm shift in
contemporary patient management
T. Modine

10:18  Discussion and audience interaction

10:25  Session evaluation and key learnings
H. Ince

09:00 - 09:45

ROOM 4
Level 01
Abstracts

TAVI: stroke, cerebral protection
and alternative vascular access
Session comprising selected PCR London Valves
2019 abstract submissions

Chairpersons: N. Buzzatti, R. Kharbanda,
P. Pibarot

09:00  Neurological events from the Evolut
low-risk study
D. Tchetche

09:05  Discussion and audience interaction

09:09  Outcomes with initial use of cerebral
embolic protection in all comers at a single
TAVI site
B. Stripe

09:14  Discussion and audience interaction

09:18  Systematic cerebral protection during
TAVI: a single-centre experience
T. Piva

09:23  Discussion and audience interaction

09:27  The Portico transcatheter aortic valve
delivered via alternative access: one-year
results from the Portico ALT study
M. Van Wely

09:32  Discussion and audience interaction

09:36  Safety and efficacy of transaxillary TAVI
with a newer-generation
balloon-expandable valve
Y. Zhan

09:41  Discussion and audience interaction

09:00 - 10:30

ROOM LEARNING
Level 01

Focus on
Essential
Learning

Essential Learning: Heart Team
working during transcatheter
and surgical mitral valve repair

Facilitators: J. Byrne, P. Denti, M.
Monaghan
Expert Panellist: C. Grasso
Media Driver: R.C. Serban

Attend this session if you want:

› To understand the fundamental
  importance of imaging guidance to
secure best outcomes for transcatheter
and surgical mitral valve repair
› To appreciate the complementary
  information provided by
haemodynamic, echocardiographic,
fluoroscopic and visual assessment
› To improve intra-procedural
  communication and decision-making
  within your Heart Team
Monday 18 November 2019 - Morning

09:00 - 09:40
INTERACTIVE CASE CORNER
Level 01
Case Discussion

- Direct access transcatheter mitral valve implantation in radiation-induced mitral annular calcification
  S. Alexis
- Discussion and audience interaction
- Percutaneous mitral-in-ring implantation with a new-generations balloon-expandable valve via transseptal approach
  C. Gandolfo
- Discussion and audience interaction
- Multiple mitral paravalvular leaks closure as a bridge to surgery
  C. Moldovan
- Discussion and audience interaction
- Changing the paradigm in paravalvular leak closure: smaller is better
  R. Nerli
- Discussion and audience interaction

09:00 - 10:30
IMAGING LEARNING CENTRE
Level 01
Focus on Imaging
Imaging Learning Centre

Chamber views and S-curves of left and right-sided heart structures - The basics of mastering multi modality imaging
Facilitators: A. Latib, P. Theriault-Lauzier
Enabler: A. Finkelstein

- To define standard anatomical views of the heart: 1-, 2-, 3-, and 4-chamber views
- To define the concept of the optimal projection curve (i.e. S-curve) and how it can be applied to transcatheter valve interventions
- To describe the relationship between chamber views and optimal projection curves

09:00 - 10:30
STRUCTURAL INTERVENTION SKILLS ROOM
Level 01
Simulation-based learning

Hands on the aortic valve for structural interventionists: learn from the surgeons
A joint educational project between PCR and Zurich HeartLab
Facilitator: J.L. Pomar
Enablers: G. Dahle, M. Mach, A. Pozzoli, O. Reuthebuch (pending confirmation), J. Sromicki

- To master the field of aortic valve intervention
- To learn the anatomical details associated with clinical outcomes
- To understand surgical prostheses and how surgical AVR is performed

Open session of 90 minutes on a first come first served basis.

09:00 - 10:30
MITRAL AND TRICUSPID LOUNGE
Level 01
Simulation-based learning

Hands on the mitral and tricuspid valve for structural interventionists: learn from the surgeons
A joint educational project between PCR and Zurich HeartLab
Facilitator: F. Fumero
Enablers: M. Canic, A. Khan Niazi, S. Shanmuganathan

- To master the field of atrio-ventricular valve interventions
- To learn the anatomical details associated with clinical outcomes
- To understand the difference between mitral and tricuspid valve anatomy

Open session of 90 minutes on a first come first served basis.

09:00 - 10:30
TRANSSEPTAL PUNCTURE HEARTLAB
Level 01
Educational Pathway: Transseptal Access For Mitral Valve Procedures
Simulation-based learning

Transseptal puncture: in-depth hands-on learning
A joint educational project between PCR and Zurich HeartLab
Facilitator: C. Godino
Enablers: A. Ferrero Guadagnoli, M. Gavazzoni, S. Kuwata, M. Miura, G. Russo

- To become more familiar with the details of transseptal puncture using different simulation modalities
- To learn how to manage difficult atrial septal anatomy
- To expand your opportunities and embrace the revolution in mitral valve intervention

Open session of 90 minutes on a first come first served basis.
TAVI complications and challenging vascular access
Session comprising selected PCR London Valves 2019 clinical case submissions
Facilitators: G. Gunasekaran, L. Torracca

09:45 - 10:35

09:45  Valve-in-valve TAVI due to iatrogenic aortic dissection
L. Krivoshei

09:50  Discussion and audience interaction

09:55  Promoting off-label use of a vascular closure device during complicated TAVI procedure
K. Markunaite

10:00  Discussion and audience interaction

10:05  Successful delivery and implantation of Evolut R XL valve assisted by Shockwave intravascular lithotripsy in a severe aortic stenotic patient with significant ilio-femoral disease
B. Sekar (pending confirmation)

10:10  Discussion and audience interaction

10:15  TAVI with Portico: when it rains, it pours
A. Sole

10:20  Discussion and audience interaction

10:25  Percutaneous axillary aortic valve implantation no femoral touch (a minimalist double-arm approach)
C. Trani

10:30  Discussion and audience interaction

09:50 - 10:35

TAVI: predicting the need for permanent pacing
Session comprising selected PCR London Valves 2019 abstract submissions
Chairpersons: G. Lloyd, A. Seth, T. Walther

09:50  Predictors of permanent pacemaker implantation after TAVI in patients with very large annuli with a self-expanding valve
V.A. Jimenez Diaz

09:55  Discussion and audience interaction

09:59  The importance of prosthetic valve coaxiality in the occurrence of new conduction disturbances after TAVI: a retrospective CT-based study
Y. Ou

10:04  Discussion and audience interaction

10:08  Pacemaker dependency after TAVI: incidence, predictors and long-term outcomes
G. Costa

10:13  Discussion and audience interaction

10:17  Adoption of new MDCT measurements can lower pacemaker rates after TAVR in a community hospital setting
G. Chrysant

10:22  Discussion and audience interaction

10:26  Novel anatomic predictors of new conduction disturbances after Edwards SAPIEN 3 and Evolut TAVI
S. Zaid

10:31  Discussion and audience interaction
09:55 - 10:35

Spotlight - Challenges for the Heart Team I - A new interventional paradigm for aortic valve disease

Supported by an unrestricted educational grant from Edwards Lifesciences

Chairpersons: S. Kodali, D. Tchetche
React@PCR Moderator: G. Witberg

Attend this session if you want:
- To appreciate the impact of the latest evidence concerning TAVI vs. SAVR on Heart Team discussions and patient choice
- To consider unresolved questions and the implications for future planning and resource allocation
- To understand how you and your colleagues can apply this information in daily clinical practice

09:55
- Session objectives
  D. Tchetche

09:58
- International reaction to the TAVI low-risk trials
  10:02
  - Challenge 1: clinical and anatomical characteristics (rather than surgical risk estimation) now drive the choice between TAVI and SAVR
    S. Windecker
  10:09
  - Time to React@PCR
  10:17
  - Challenge 2: redistribution of resources and training are rapidly required to deliver the workload
    M. Mack
  10:24
  - Time to React@PCR
  10:32
  - Session evaluation and key learnings
    S. Kodali

10:30 - 11:05

Late-Breaking Trials at PCR London Valves 2019 - Session 1

Session comprising selected PCR London Valves 2019 late-breaking trial submissions

Chairpersons: L. Sondergaard, H. Treede
Panelists: A. Lansky, J. Webb, C. Young
React@PCR Moderator: O. Chehab

10:30
- Two-year outcomes in the Portico I study: investigating the early commercial use of the Portico transcatheter aortic valve
  L. Sondergaard
10:38
- Time to React@PCR
10:43
- Online Video densitometric Assessment of aortic regurgitation in the cathLab (OVAL)
  R. Modolo
10:51
- Time to React@PCR

10:30 - 11:00

Innovations in transcatheter mitral and tricuspid intervention

Session comprising selected PCR London Valves 2019 late-breaking trial submissions

Facilitators: L. Bonfils, T. Vahl

10:30
- Transcatheter treatment of secondary tricuspid regurgitation with the novel MIA percutaneous annuloplasty system
  W. Hennemann
10:38
- Discussion and audience interaction
10:45
- Early feasibility study of the Cardiovalve Transcatheter Valve System
  A. Latib
10:53
- Discussion and audience interaction

10:35 - 11:00

Continuous LIVE demonstration from University Hospital of Zurich - Zurich, Switzerland: Surgical repair for primary mitral regurgitation

Chairpersons: M. Haude, M. Mack
Operator: F. Maisano
Medical Control Desk: J. Joseph
React@PCR Moderator: G. Witberg

10:30 - 11:00

Continuous LIVE demonstration from University Hospital of Zurich - Zurich, Switzerland: Surgical repair for primary mitral regurgitation

Chairpersons: M. Haude, M. Mack
Operator: F. Maisano
Medical Control Desk: J. Joseph
React@PCR Moderator: G. Witberg

- 10:00 -
- 11:00 -

**Case-based learning for the Heart Valve Team: bioprosthetic valve thrombosis**

*Chairpersons: D.J. Blackman, A. Lansky*  
*Panellists: K. Hayashida, A. Linke, M. Monaghan, J.L. Pomar*  
*React@PCR Moderator: O. Chehab*

**Attend this session if you want:**
- To learn more about the detection and management of thrombosis affecting surgical and transcatheter bioprosthetic heart valves
- To appreciate the key role of imaging in the follow-up of patients with a bioprosthetic valve
- To understand how to identify patients at high risk of thrombosis or bleeding and their optimal management

11:00  
> Session objectives  
A. Lansky

11:04  
> Definitions, guidelines and imaging recommendations  
P. Pibarot

11:14  
> Case 1: a symptomatic patient with clinical valve thrombosis  
L. Sondergaard

11:21  
> Time to React@PCR

11:28  
> Case 2: an asymptomatic patient with an odd echocardiogram  
R. Makkar

11:35  
> Time to React@PCR

11:42  
> Case 3: a patient with severe aortic stenosis and high risk of thrombosis and bleeding  
M. Gilard

11:49  
> Time to React@PCR

11:56  
> Session evaluation and key learnings  
D.J. Blackman

---

**11:00 - 12:30**

**Mitral regurgitation: a comprehensive patient-based approach**

*Chairpersons: D. Adams, M. Swaans*  
*Panellists: V. Falk, S. Kar, D. Muller, N. Wunderlich*

**Attend this session if you want:**
- To learn more about the pathophysiology of mitral regurgitation and appreciate that anatomical understanding and multimodality imaging improve patient selection and procedural outcomes
- To know which imaging modality is most relevant to clinical decision-making and procedural planning
- To understand how Heart Team working can provide the best treatment option for complex patients with mitral regurgitation

11:00  
> Session objectives  
D. Adams

11:04  
> Mitral valve pathology: implications for device design, selection and durability  
M. Sarano

11:16  
> Discussion and audience interaction

11:24  
> Multimodality imaging in mitral valve disease: screening, severity and selection for intervention  
J. Bax

11:36  
> Illustrative case 1: a patient with primary mitral regurgitation  
E. Ho

11:41  
> Illustrative case 2: a patient with secondary mitral regurgitation  
F. Wells

11:46  
> Discussion and audience interaction

11:56  
> A word of caution: look at the patient, not just the valve  
M. Metra

12:06  
> Illustrative case 3: a challenging patient with primary mitral regurgitation  
C. Tamburino

12:11  
> Illustrative case 4: a challenging patient with secondary mitral regurgitation  
A. Berrebi

12:16  
> Discussion and audience interaction

12:26  
> Session evaluation and key learnings  
M. Swaans
11:00 - 11:48

**TAVI: clinical outcomes with new devices and delivery systems**

Session comprising selected PCR London Valves 2019 abstract submissions

Chairpersons: J. Cavalcante, J.J. Popma, T. Walther

- 11:00 The feasibility and safety of a balloon-expandable transcatheter heart valve: MyVal-1 study
  R. Rao
- 11:05 Discussion and audience interaction
- 11:08 A prospective multicentre study of the SAPIEN 3 Ultra system in intermediate-risk patients with severe aortic stenosis
  J. Webb
- 11:13 Discussion and audience interaction
- 11:16 First mid-/long-term follow-up results in patients undergoing TAVR with the self-expandable Portico valve for severe aortic stenosis: a real-world prospective study
  M. Nicotera
- 11:21 Discussion and audience interaction
- 11:24 New TAVR technologies for patients with severe aortic stenosis and risk for coronary occlusion
  T. Vahl
- 11:29 Discussion and audience interaction
- 11:32 RESPOND post-market study: three-year outcomes following TAVI with a repositionable and fully retrievable aortic valve
  N. Van Mieghem
- 11:37 Discussion and audience interaction
- 11:40 Safety outcomes from the Portico IDE FlexNav delivery system study of 100 high and extreme risk patients
  G. Fontana
- 11:45 Discussion and audience interaction

11:00 - 12:30

**Applied Learning: TAVI in challenging situations**

Facilitators: S. Bleiziffer, H. Mcconkey, D. Tchetche

Media Driver: G. Leite

Attend this session if you want:
- To appreciate the benefits of careful pre-procedural planning before complex TAVI procedures
- To learn advanced tips and tricks for use in difficult clinical situations
- To understand situations where pushing the boundaries of TAVI may be appropriate

11:00 - 12:30

**Challenging clinical scenarios in valve interventions - Hosted by Germany, Spain and Singapore**

With the collaboration of the Asian Pacific Society of Interventional Cardiology (APSC), the Spanish National Working Group on Interventional Cardiology (SHCI) and the Working Group of Interventional Cardiology of the German Society of Cardiology (AGIK)

Facilitators: C. Cuellas, H. Nef, E. Tay

- 11:00 First TTVR with a dedicated prosthesis in a patient with a failing DeVega annuloplasty
  R. Estevez-Loureiro
- 11:05 Discussion and audience interaction
- 11:11 Double MitraClip and alcohol septal ablation: a promising percutaneous treatment approach for obstructive hypertrophic cardiomyopathy with both systolic anterior motion and flail posterior leaflet of the mitral valve
- 11:16 Discussion and audience interaction
- 11:22 Transcatheter mitral paravalvular leak closure after transcatheter mitral valve-in-valve replacement
  X. Armario
- 11:27 Discussion and audience interaction
- 11:33 Percutaneous closure of a posterior leaflet perforation after TMVR
  R. Estevez-Loureiro
- 11:38 Discussion and audience interaction
- 11:44 What to do?
  P. Lauten
- 11:49 Discussion and audience interaction
- 11:55 A case of delayed coronary obstruction following TAVR
  J. Wilde
- 12:00 Discussion and audience interaction
- 12:06 Salvage percutaneous mitral and tricuspid valve repair? MitraClip for cardiogenic shock
  N. Wong
- 12:11 Discussion and audience interaction
- 12:17 A bailout case to reposition a completely dislodged ALLEGRA transcatheter aortic valve
  T. Yamanaka
- 12:22 Discussion and audience interaction
11:00 - 12:30
IMAGING LEARNING CENTRE
Educational Pathway: Bicuspid Aortic Valve
Focus on Imaging Learning Centre

Imaging of the aortic valve for transcatheter aortic valve replacement
Facilitators: D. Mylotte, M. Pighi
Enablers: J. Ben-Shoshan, O. Ozden Tok

Attend this session if you want:
> To define the characteristics of the aortic valve in the 1-, 2-, 3-, and 4-chamber views
> To define the normal distribution of the aortic valve optimal projection curve
> To understand practical applications of chamber views and optimal projection curves for transcatheter aortic valve replacement

11:00 - 12:30
TRANSSEPTAL PUNCTURE HEARTLAB
Educational Pathway: Transseptal Access For Mitral Valve Procedures
Simulation-based learning

Transseptal puncture: in-depth hands-on learning
A joint educational project between PCR and Zurich HeartLab
Facilitator: M. Montenegro
Enablers: G. Gavazzoni, M. Miura, I. Pascual, G. Russo

Attend this session if you want:
> To become more familiar with the details of transseptal puncture using different simulation modalities
> To learn how to manage difficult atrial septal anatomy
> To expand your opportunities and embrace the revolution in mitral valve intervention

Open session of 90 minutes on a first come first served basis.

11:00 - 12:30
STRUCTURAL INTERVENTION SKILLS ROOM
Simulation-based learning

Hands on the aortic valve for structural interventionists: learn from the surgeons
A joint educational project between PCR and Zurich HeartLab
Facilitator: T. Modine
Enablers: M. Andreas, M. Mach, A. Pozzoli, J. Sromicki

Attend this session if you want:
> To master the field of aortic valve intervention
> To learn the anatomical details associated with clinical outcomes
> To understand surgical prostheses and how surgical AVR is performed

Open session of 90 minutes on a first come first served basis.

11:00 - 12:30
MITRAL AND TRICUSPID LOUNGE
Simulation-based learning

Hands on the mitral and tricuspid valve for structural interventionists: learn from the surgeons
A joint educational project between PCR and Zurich HeartLab
Facilitator: P. Denti
Enablers: M. Canic, A. Khan Niazi, S. Shanmuganathan, R. Yadav

Attend this session if you want:
> To master the field of atrio-ventricular valve interventions
> To learn the anatomical details associated with clinical outcomes
> To understand the difference between mitral and tricuspid valve anatomy

Open session of 90 minutes on a first come first served basis.

11:05 - 12:30
MAIN ARENA

LIVE demonstration from St Thomas’ Hospital - London, United Kingdom: TAVI for a patient with severe aortic stenosis and a mechanical mitral prosthesis
Chairpersons: P. Maccarthy, C.K. Naber
Panellists: M. Abdel-Wahab, A. Greenbaum, R. Lange, F. Ribichini, T. Rogers, S. Saito
Procedural Expert: A. Latib
React@PCR Expert: G. Tarantini
Operators: J. Hancock, B. Prendergast, S. Redwood
Medical Control Desk: J. Joseph
React@PCR Moderator: S. Dawkins

Open session of 90 minutes on a first come first served basis.

11:05
> Patient presentation/Imaging analysis
P. Maccarthy, T. Rogers

11:15
> Strategic and technical discussion of the LIVE case

11:20
> Key objectives, strategy, tools and technique presented by Operators

11:25
LIVE case procedure

12:25
LIVE Time to React@PCR with Operators
### Transcatheter valve intervention in challenging situations

Session comprising selected PCR London Valves 2019 abstract submissions

**Chairpersons:** W.K. Kim, A. Lauten, M. Williams

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>11:50</td>
<td>TAVI in cardiogenic shock: TAVI-shock registry results</td>
<td>C. Fraccaro</td>
</tr>
<tr>
<td>11:55</td>
<td>Discussion and audience interaction</td>
<td></td>
</tr>
<tr>
<td>11:58</td>
<td>Clinical data, performance and safety of TAVI in very large annuli with a self-expandable valve</td>
<td>V.A. Jimenez Diaz</td>
</tr>
<tr>
<td>12:03</td>
<td>Discussion and audience interaction</td>
<td></td>
</tr>
<tr>
<td>12:06</td>
<td>TAVR for failed surgical aortic bioprostheses using a self-expanding device: two-year outcomes</td>
<td>R. Kornowski</td>
</tr>
<tr>
<td></td>
<td>from the prospective VIVA post-market study</td>
<td></td>
</tr>
<tr>
<td>12:11</td>
<td>Discussion and audience interaction</td>
<td></td>
</tr>
<tr>
<td>12:14</td>
<td>Valve-in-valve implantation using the ACURATE neo in degenerated aortic bioprostheses: an</td>
<td>S. Toggweiler</td>
</tr>
<tr>
<td></td>
<td>international multicentre analysis</td>
<td></td>
</tr>
<tr>
<td>12:19</td>
<td>Discussion and audience interaction</td>
<td></td>
</tr>
<tr>
<td>12:22</td>
<td>Feasibility of repeat TAVI after SAPIEN 3 TAVI (TAV-in-TAV): a pilot angiographic study</td>
<td>G. Tang</td>
</tr>
<tr>
<td>12:27</td>
<td>Discussion and audience interaction</td>
<td></td>
</tr>
<tr>
<td>12:30</td>
<td>A cardiac CT-based score to categorise MAC severity and predict valve embolisation</td>
<td>M. Guerrero</td>
</tr>
<tr>
<td>12:35</td>
<td>Discussion and audience interaction</td>
<td></td>
</tr>
</tbody>
</table>
- 12:00 -

Valve for Life @ PCR London Valves 2019
An EAPCI initiative
Chairpersons: A. Baumbach, M. Haude
React@PCR Moderator: O. Chehab

Attend this session if you want:
- To understand the importance of valvular heart disease across countries in Europe
- To know the EAPCI goals for transcatheter heart valve interventions
- To be aware of the actions supported by the Valve for Life initiative

12:05 Structural Heart Disease: inequalities in Europe
A. Baumbach

12:09 Valve for Life: aims and organisation
M. Haude

12:13 Time to React@PCR
12:17 Valve for Life in action: Poland
W. Wojakowski

12:21 Valve for Life in action: France
M. Gilard

12:25 Valve for Life in action: Portugal
R. Campante Teles

12:29 Time to React@PCR
12:33 Session evaluation and key learnings
M. Haude

- 12:30 - 13:00 -

Innovations in TAVI and beyond
Session comprising selected PCR London Valves 2019 innovation submissions
Facilitators: P. Denti, A. Gopalamurugan, E. Ho

- 13:00 -

Innovations in TAVI technique and technology to address evolving patient needs
See session details in the Sponsored Programme section at the end of this document.

13:00 - 13:30 -

Increasing safety in complex TAVI procedures
See session details in the Sponsored Programme section at the end of this document.

13:00 - 14:40 -

POSTERS’LAB

13:00 - 13:45 -

A team approach to the management of tricuspid regurgitation
See session details in the Sponsored Programme section at the end of this document.
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Location</th>
<th>Room</th>
<th>Level</th>
<th>Symposium</th>
<th>Speakers/Experts</th>
</tr>
</thead>
<tbody>
<tr>
<td>13:00 - 13:45</td>
<td>Shockwave IVL: a new alternative to alternative TAVI access</td>
<td>ROOM 4</td>
<td>Level 01</td>
<td>Sponsored Symposium</td>
<td>See session details in the Sponsored Programme section at the end of this document.</td>
<td></td>
</tr>
</tbody>
</table>
14:45 - 16:15 Heart Team 2.0 in action: how to manage complex TAVI procedures

Chairpersons: T. Modine, D. Mylotte
Panellists: J. Forrest, A. Linke, G. Tarantini, T. Walther
React@PCR Moderator: C. Godino

Attend this session if you want:
- To learn how to plan a successful TAVI procedure for your patients with challenging anatomy and high-risk clinical characteristics
- To appreciate the limitations of TAVI in complex situations where surgery may be the better option
- To understand how to anticipate and prevent complications in challenging clinical situations

14:45 Session objectives
T. Modine
14:50 Case 1: a patient with a bicuspid aortic valve and associated aortopathy
A. Latib
14:58 Time to React@PCR
15:06 Case 2: a patient at high risk of left main coronary occlusion
F. Ribichini
15:14 Time to React@PCR
15:22 Case 3: a patient at high risk of stroke
M.K.Y. Lee
15:30 Time to React@PCR
15:38 Case 4: a patient with severe LVOT calcification
J.M. Sinning
15:46 Time to React@PCR
15:54 Case 5: a patient unsuitable for femoral access
S. Bleiziffer
16:02 Time to React@PCR
16:10 Session evaluation and key learnings
D. Mylotte

14:45 - 16:15 Innovations in transcatheter tricuspid valve intervention

Chairpersons: N. Piazza, J. Schofer
Panellists: D.J. Blackman, P. Denti, G. Fontana, M. Monaghan

Attend this session if you want:
- To learn more about new transcatheter treatment strategies for tricuspid valve disease
- To improve your understanding of the clinical indications for intervention, the evidence base for current devices and their limitations
- To appreciate the challenges and limitations of tricuspid valve imaging before and during transcatheter intervention

14:45 Session objectives
N. Piazza
14:50 A challenging patient with severe tricuspid regurgitation
A. Lauten
14:58 Option 1: target the leaflets
S. Lim
15:07 Discussion and audience interaction
15:16 Option 2: target the annulus
R.S. Von Bardeleben
15:25 Discussion and audience interaction
15:34 Option 3: implant a tricuspid valve
N. Piazza
15:43 Discussion and audience interaction
15:52 Option 4: implant a caval stent/value
A. Holzamer
16:01 Discussion and audience interaction
16:10 Session evaluation and key learnings
J. Schofer
14:45 - 15:30

**TAVI: novel peri-procedural imaging techniques**
Session comprising selected PCR London Valves 2019 abstract submissions
**Chairpersons:** N. Buzzatti, M. Kasel, R. Ronak

- Initial deployment orientation of ACURATE neo transcatheater heart valve and final commissural alignment: a pilot study on optimising post-procedural coronary access
  - O. De Backer
- Discussion and audience interaction
- Impact of initial Evolut TAVR deployment orientation on final valve orientation and coronary re-access: a pilot study
  - G. Tang
- Discussion and audience interaction
- Assessment of coronary artery obstruction risk during TAVR utilising 3D-printing
  - R. Gurvitch
- Discussion and audience interaction
- Prognostic value of diastolic flow reversal on clinical outcomes after TAVR: an intraprocedural transoesophageal echocardiography study
  - M. Ota
- Discussion and audience interaction

14:45 - 16:15

**Complications of TAVI and SAVR**
- Hosted by Greece, Japan, UK and the USA
With the collaboration of the British Cardiac Intervention Society, the Japanese Association of Cardiovascular Intervention and Therapeutics (CVIT) and the TVT (Transcatheter Valve Therapies)
**Facilitators:** J. Byrne, R. Hahn
**Discussants:** Y. Ozaki, E. Skalidis

- Post-TAVR restrictive VSD
  - A. Caldera
- Discussion and audience interaction
- Percutaneous VSD repair after surgical AVR
  - O. Alsanjari
- Discussion and audience interaction
- When an Edwards valve will not cross, rescue manoeuvres with the balloon-cushion and buddy-balloon techniques
  - S. Dorman
- Discussion and audience interaction
- Post-TAVR Gerbode defect
  - A. Caldera
- Discussion and audience interaction
- Controlled valve slide over using a buddy balloon; as with a shoehorn?
  - D. Hachinohe
- Discussion and audience interaction
- Late-onset aortic dissection complicated by infective endocarditis after TAVI
  - K. Osakada
- Discussion and audience interaction
- TAVR with SAPIEN 3 for very large annulus complicated by late severe paravalvular leak and treated with late balloon post dilation
  - A. Sayed
- Discussion and audience interaction
- Successful bailout of a second prosthesis implantation for VSD after TAVI
  - K. Yamasaki
- Discussion and audience interaction
- Wire pull-through technique using a double-lumen sheath during transapical TAVI
  - Y. Ozaki
- Discussion and audience interaction

**Applied Learning: mitral valve in valve, valve in ring and valve in MAC: the good, the bad and the ugly**
**Facilitators:** V. Bapat, N. Dumonteil, N. Karam
**Media Driver:** H. Adams

- To understand the importance of imaging-based patient and device selection for complex mitral procedures
- To acquire key tips and tricks to ensure best procedural outcomes for your patients
- To appreciate how to predict and prevent the risk of LVOT obstruction

**Attend this session if you want:**
14:45 - 16:15

**Imaging of the mitral valve for transcatheter mitral valve interventions**

*Facilitators: M. Pighi, P. Theriault-Lauzier*
*Enabler: O. Ozden Tok*

Attend this session if you want:
- To define the characteristics of the mitral valve in the 1-, 2-, 3-, and 4-chamber views
- To define the normal distribution of the mitral valve optimal projection curve (i.e. S-curve)
- To provide practical applications of chamber views and optimal projection curves for transcatheter mitral valve replacement

---

14:45 - 16:15

**Transseptal puncture: in-depth hands-on learning**

*A joint educational project between PCR and Zurich HeartLab*

*Facilitator: I. Pascual*
*Enablers: A. Ferrero Guadagnoli, M. Gavazzoni, M. Miura, M. Montenegro, G. Russo*

Attend this session if you want:
- To become more familiar with the details of transseptal puncture using different simulation modalities
- To learn how to manage difficult atrial septal anatomy
- To expand your opportunities and embrace the revolution in mitral valve intervention

Open session of 90 minutes on a first come first served basis.

---

14:45 - 16:15

**Hands on the aortic valve for structural interventionists: learn from the surgeons**

*A joint educational project between PCR and Zurich HeartLab*

*Facilitator: T. Folliguet*
*Enablers: A. Pozzoli, O. Reuthebuch (pending confirmation), J. Sromicki*

Attend this session if you want:
- To master the field of aortic valve intervention
- To learn the anatomical details associated with clinical outcomes
- To understand surgical prostheses and how surgical AVR is performed

Open session of 90 minutes on a first come first served basis.

---

14:45 - 16:15

**Hands on the mitral and tricuspid valve for structural interventionists: learn from the surgeons**

*A joint educational project between PCR and Zurich HeartLab*

*Facilitator: L. Torracca*
*Enablers: M. Canic, A. Khan Niazi, S. Shanmuganathan, R. Yadav*

Attend this session if you want:
- To master the field of atrio-ventricular valve interventions
- To learn the anatomical details associated with clinical outcomes
- To understand the difference between mitral and tricuspid valve anatomy

Open session of 90 minutes on a first come first served basis.

---

15:35 - 16:20

**TAVI: clinical assessment and early post-procedural discharge**

*Session comprising selected PCR London Valves 2019 abstract submissions*

*Chairpersons: G. Dahle, M. Ministeri, S. Toggweiler*

- 15:35 - The FIFA-trial: Fitness-tracker assisted Frailty-Assessment before TAVI
  *M. Mach*
- 15:40 - Discussion and audience interaction
- 15:49 - A novel heart failure score predicts adverse outcome in patients undergoing TAVI
  *M. Mach*
- 15:53 - Predictors and safety of next-day discharge after minimalistic transfemoral aortic valve implantation in an all-comer population
  *G. Costa*
- 15:58 - Discussion and audience interaction
- 16:02 - A set of pre-specified risk criteria facilitates appropriately timed discharge and sustained outcomes to one year after hospital discharge for patients having transfemoral TAVI based on the FAST TAVI trial
  *M. Spence*
- 16:07 - Discussion and audience interaction
- 16:11 - Very early discharge after transfemoral TAVI in selected patients; is it safe?
  *M. Diaznuila Alcazar*
- 16:16 - Discussion and audience interaction
**15:45 - 16:20**

**Late-Breaking Trials at PCR London Valves 2019 - Session 2**

Session comprising selected PCR London Valves 2019 late-breaking trial submissions

*Chairpersons: A. Baumbach, D. Tchetche*

*Panelists: M. Andreas, M. Borger, V. Delgado, H. Euchaninoff, S. Kodali, A. Seth*

*React@PCR Moderator: J. Andrade*

- **15:45**
  - Incidence, predictors and outcome of structural valve deterioration in transcatheter vs. SAVR: five year follow-up from the PARTNER II trials in intermediate-risk patients
    - *P. Pibarot*

- **15:55**
  - Time to React@PCR

- **16:03**
  - Percutaneous edge-to-edge repair for tricuspid regurgitation: initial one-year outcomes from the TRILUMINATE clinical trial
    - *G. Nickenig*

- **16:13**
  - Time to React@PCR

---

**16:25 - 17:10**

**Will PARTNER-3 and Evolut low-risk trials change my practice?**

*Chairpersons: D. Capodanno, D. Hildick-Smith*

*Panelists: M. Andreas, E. Grube, K. Hayashida, M. Williams*

*React@PCR Moderator: O. Chehab*

Attend this session if you want:

- To gain an in-depth understanding of the trials comparing TAVI and SAVR in patients at low surgical risk
- To reflect how these trials will affect your day-to-day clinical practice
- To appreciate the limitations of the trials and key remaining questions

- **16:25**
  - Introduction - The trial headlines
    - *D. Capodanno*

- **16:28**
  - Behind the headlines - Who was in the trials? And who was not?
    - *D. Mylotte*

- **16:35**
  - Time to React@PCR

- **16:41**
  - The hazards of TAVI in younger lower-risk patients
    - *V. Bapat*

- **16:48**
  - Time to React@PCR

- **16:54**
  - Five questions that remain unanswered
    - *L. Sondergaard*

- **17:01**
  - Time to React@PCR

- **17:07**
  - Session evaluation and key learnings
    - *D. Hildick-Smith*
16:25 - 17:55
ROOM 3
Level 01
Case Discussion

Case-based learning for the Heart Team: patient selection for tricuspid valve interventions

Chairpersons: R. Hahn, F. Praz
Panellists: J. Hausleiter, T. Modine, M. Monaghan, F. Wells

Attend this session if you want:
- To appreciate the role of the Heart Team in the assessment of patients with tricuspid regurgitation
- To understand how clinical and anatomical characteristics influence patient and device selection
- To become more familiar with the key steps in transcatheter tricuspid valve procedures

16:25  Session objectives
R. Hahn

16:30  A patient with severe tricuspid regurgitation, leaflet tethering and a large coaptation gap
S. Toggweiler

16:38  Discussion and audience interaction

16:46  A patient with severe antero-septal tricuspid regurgitation
A. Latib

16:54  Discussion and audience interaction

17:02  A patient with isolated severe tricuspid regurgitation due to annular dilatation
R.S. Von Bardeleben

17:10  Discussion and audience interaction

17:18  A patient with tricuspid regurgitation and an implantable cardiac device lead
J. Hausleiter

17:26  Discussion and audience interaction

17:34  A patient with combined mitral and tricuspid regurgitation
P. Denti

17:42  Discussion and audience interaction

17:50  Session evaluation and key learnings
F. Praz

16:25 - 17:40
ROOM 4
Level 01
Abstracts

Advances in transcatheter mitral and tricuspid repair
Session comprising selected PCR London Valves 2019 abstract submissions
Chairpersons: A. Cheung, V. Delgado, M. Guerrero

- Early tricuspid annular reshaping with the MitraClip XTR device used to treat severe functional tricuspid regurgitation
  M. Mach

- Discussion and audience interaction

- European registry of percutaneous mitral valve repair in acute mitral regurgitation following myocardial infarction (EREMMI)
  R. Estevez-Loureiro

- Discussion and audience interaction

- Five-year clinical outcomes after percutaneous edge-to-edge mitral valve repair: insights from the multicentre GRASP-IT registry
  M. Marianna

- Discussion and audience interaction

- Changes in invasive haemodynamics following MitraClip therapy according to LVEF
  S. Kuwata

- Discussion and audience interaction

- One-year outcomes from the multicentre, prospective study with the novel PASCAL transcatheter valve repair system for patients with mitral regurgitation in the CLASP study
  M. Ng

- Discussion and audience interaction

- The concept of futility in treating functional mitral regurgitation in real world
  M. Gavazzoni

- Discussion and audience interaction

- One-year outcomes of the TRI-REPAIR study assessing Cardioband tricuspid valve reconstruction system for patients with functional tricuspid regurgitation
  G. Nickenig

- Discussion and audience interaction

- Assessment of right atrial deformation indices in patients with different scales of significant secondary tricuspid regurgitation
  S. Okutucu

- Discussion and audience interaction

- Transcatheter mitral cerclage annuloplasty system
  R. Lederman

17:36  Discussion and audience interaction
Mitral valve replacement and repair

Transcatheter paravalvular leak closure in MitraClip repair for severe mitral

Discussion and audience interaction

Percutaneous approach to functional

Discussion and audience interaction

SAPIEN 3 surgical implant for highly

Tricuspid / Pulmonary valve

Discussion and audience interaction

An unusual cause of recurrent mitral regurgitation after percutaneous mitral valve repair

M. Winkel

16:25 - 17:55

Imaging the atrial septum for transcatheter mitral valve interventions

Facilitators: N. Piazza, M. Pighi
Enablers: A. Finkelstein, O. Ozden Tok

Attend this session if you want:

To define the characteristics of the atrial septum in the 1-, 2-, 3-, and 4-chamber views
To define the normal distribution of the atrial septum optimal projection curve (i.e. S-curve)
To provide practical applications of chamber views and optimal projection curves for dedicated transseptal puncture

16:25 - 17:25

Applied Learning: how to obtain best outcomes of edge-to-edge repair in secondary mitral regurgitation

Facilitators: A. Duncan, C. Grasso, K.K. Yeo
Media Driver: C. Allen

Attend this session if you want:

To improve your understanding of current clinical and anatomical selection criteria for edge-to-edge repair in secondary mitral regurgitation
To replicate trial outcomes in everyday clinical practice
To learn more about echocardiographic guidance, device selection and procedural technique

16:25 - 17:25

Treatment options for valvular and paravalvular mitral regurgitation - Hosted by Italy and Switzerland

With the collaboration of the Italian Society of Interventional Cardiology (GISE) and the Swiss Working Group of Interventional Cardiology

Facilitators: M. Kasel, G. Tarantini

16:25 - 17:25

Focus on International Collaboration

Case Discussion

16:25

Percutaneous closure of a paraprosthetic mitral valve leak in a high-risk patient with heart failure and haemolytic anaemia

D. Cocco

16:30

Discussion and audience interaction

16:35

Transcatheter paravalvular leak closure in radiolucent mitral bioprosthesis: challenges and multimodality imaging strategies

A. Beneduce

16:40

Discussion and audience interaction

16:45

SAPIEN 3 surgical implant for highly calcified mitral valve

F. Fumero

16:50

Discussion and audience interaction

16:55

MitraClip repair for severe mitral regurgitation in patient with AMI

V. Cesario

17:00

Discussion and audience interaction

17:05

Percutaneous approach to functional mitral valve regurgitation after acute heart failure in congenital heart disease: a bridge to heart transplantation

S. Scianna

17:10

Discussion and audience interaction

17:15

An unusual cause of recurrent mitral regurgitation after percutaneous mitral valve repair

M. Winkel

17:20

Discussion and audience interaction

16:25 - 17:55

Hands on the aortic valve for structural interventionists: learn from the surgeons

A joint educational project between PCR and Zurich HeartLab

Facilitator: T. Folliguet
Enablers: G. Dahle, A. Pozzoli, O. Reuthebuch (pending confirmation), J. Sromicki

Attend this session if you want:

To master the field of aortic valve intervention
To learn the anatomical details associated with clinical outcomes
To understand surgical prostheses and how surgical AVR is performed

Open session of 90 minutes on a first come first served basis.

16:25 - 17:55

Hands on the mitral and tricuspid valve for structural interventionists: learn from the surgeons

A joint educational project between PCR and Zurich HeartLab

Facilitator: R. Yadav
Enablers: M. Canic, A. Khan Niazi, S. Shanmuganathan

Attend this session if you want:

To master the field of atrio-ventricular valve interventions
To learn the anatomical details associated with clinical outcomes
To understand the difference between mitral and tricuspid valve anatomy

Open session of 90 minutes on a first come first served basis.
- 17:00 -

**LIVE demonstration from St Thomas’ Hospital - London, United Kingdom: Transcatheter mitral valve-in-valve for a patient with a degenerative bioprosthesis**

Chairpersons: J. Byrne, F. Hellig
Panelists: A. Jönsson, R. Kornowski, D. Muller, A.S. Petronio, R. Ronak, J. Webb
Procedural Expert: C. Tamburino
React@PCR Expert: C.K. Naber
Operators: J. Hancock, B. Prendergast, S. Redwood
Medical Control Desk: S. Dawkins
React@PCR Moderator: G. Witberg

17:15 - 18:00

**Sponsored Symposium**

**Mitral and tricuspid transcatheter valves therapies: time to innovate!**

See session details in the Sponsored Programme section at the end of this document.

- 18:00 -

**Heart Team 2.0 in action: TAVI or SAVR in younger lower-risk patients?**

Chairpersons: V. Bapat, S. Windecker
Panelists: V. Falk, J. Mehilli, N. Van Mieghem, C. Young
React@PCR Moderator: J. Andrade

Attend this session if you want:

- To understand how to translate the outcome of clinical trials into your day-to-day clinical practice
- To learn how individual patients fared after randomisation in the pivotal low-risk trials
- To translate clinical trial outcomes into real-world decisions by your Heart Team

17:15 - 18:00

**Transseptal puncture: in-depth hands-on learning**

A joint educational project between PCR and Zurich HeartLab
Facilitator: M. Sarraf
Enablers: A. Ferrero Guadagnoli, M. Miura, I. Pascual, G. Russo

Attend this session if you want:

- To become more familiar with the details of transseptal puncture using different simulation modalities
- To learn how to manage difficult atrial septal anatomy
- To expand your opportunities and embrace the revolution in mitral valve intervention

Open session of 90 minutes on a first come first served basis.

**- 17:00 -**

17:00 - 18:00

**Main Arena**

17:00 - 18:00

**Transseptal puncture: in-depth hands-on learning**

A joint educational project between PCR and Zurich HeartLab
Facilitator: M. Sarraf
Enablers: A. Ferrero Guadagnoli, M. Miura, I. Pascual, G. Russo

Attend this session if you want:

- To become more familiar with the details of transseptal puncture using different simulation modalities
- To learn how to manage difficult atrial septal anatomy
- To expand your opportunities and embrace the revolution in mitral valve intervention

Open session of 90 minutes on a first come first served basis.

- 17:00 -

17:00 - 18:00

**Main Arena**

17:00 - 18:00

**Transseptal puncture: in-depth hands-on learning**

A joint educational project between PCR and Zurich HeartLab
Facilitator: M. Sarraf
Enablers: A. Ferrero Guadagnoli, M. Miura, I. Pascual, G. Russo

Attend this session if you want:

- To become more familiar with the details of transseptal puncture using different simulation modalities
- To learn how to manage difficult atrial septal anatomy
- To expand your opportunities and embrace the revolution in mitral valve intervention

Open session of 90 minutes on a first come first served basis.

- 17:00 -

17:00 - 18:00

**Main Arena**

17:00 - 18:00

**Transseptal puncture: in-depth hands-on learning**

A joint educational project between PCR and Zurich HeartLab
Facilitator: M. Sarraf
Enablers: A. Ferrero Guadagnoli, M. Miura, I. Pascual, G. Russo

Attend this session if you want:

- To become more familiar with the details of transseptal puncture using different simulation modalities
- To learn how to manage difficult atrial septal anatomy
- To expand your opportunities and embrace the revolution in mitral valve intervention

Open session of 90 minutes on a first come first served basis.

- 17:00 -
LIVE demonstration from Clinique Pasteur - Toulouse, France: Transcatheter edge-to-edge repair for secondary mitral regurgitation

Chairpersons: M. Haude, T. Modine
Panellists: O. Alfieri, S. Baldus, M. Buch, M. Monaghan, J.J. Popma, F. Wells
Procedural Expert: H. Ince
React@PCR Expert: K.K. Yeo
Operators: N. Dumonteil, D. Tchetche
In-cathlab Echocardiographers: L. Bonfils, L. Lepage
Medical Control Desk: R. Estevez-Loureiro
React@PCR Moderator: C. Allen

08:30 - 09:30
ROOM 2
Level 01
Case Discussion

Case-based learning for the Heart Valve Team: TAVI in failing surgical bioprostheses - Not always as easy as it looks

Chairpersons: V. Bapat, R. Kornowski
Panellists: S. Bleiziffer, T. Bourguignon, P.T.L. Chiam, T. Lefevre
React@PCR Moderator: O. Chehab

Attend this session if you want:

» To understand how an awareness of bioprosthetic valve characteristics is essential for valve-in-valve device selection and implantation
» To appreciate how careful preparation and peri-procedural imaging are essential to predict and prevent life-threatening complications
» To learn key procedural tips and tricks for a safe and successful valve-in-valve TAVI procedure

08:30 - 09:30
ROOM 2
Level 01
Case Discussion

Case-based learning for the Heart Valve Team: TAVI in failing surgical bioprostheses - Not always as easy as it looks

Chairpersons: V. Bapat, R. Kornowski
Panellists: S. Bleiziffer, T. Bourguignon, P.T.L. Chiam, T. Lefevre
React@PCR Moderator: O. Chehab

Attend this session if you want:

» To understand how an awareness of bioprosthetic valve characteristics is essential for valve-in-valve device selection and implantation
» To appreciate how careful preparation and peri-procedural imaging are essential to predict and prevent life-threatening complications
» To learn key procedural tips and tricks for a safe and successful valve-in-valve TAVI procedure

08:30 - 09:30
ROOM 2
Level 01
Case Discussion

Case-based learning for the Heart Valve Team: TAVI in failing surgical bioprostheses - Not always as easy as it looks

Chairpersons: V. Bapat, R. Kornowski
Panellists: S. Bleiziffer, T. Bourguignon, P.T.L. Chiam, T. Lefevre
React@PCR Moderator: O. Chehab

Attend this session if you want:

» To understand how an awareness of bioprosthetic valve characteristics is essential for valve-in-valve device selection and implantation
» To appreciate how careful preparation and peri-procedural imaging are essential to predict and prevent life-threatening complications
» To learn key procedural tips and tricks for a safe and successful valve-in-valve TAVI procedure
Primary mitral regurgitation in 2019: how to deliver the best treatment to our patients

Chairpersons: A. Jönsson, A.S. Petronio
Panelists: P. Denti, J. Hausleiter, J. Mehilli

Attend this session if you want:
- To review current practice and advanced surgical and transcatheter techniques for patients with primary mitral regurgitation
- To understand the decision-making processes for patient selection and intra-procedural assessment
- To learn key tips and tricks that will improve procedural outcomes in your everyday clinical practice

08:30 - 09:30
ROOM 3
Level 01
Tutorial

08:30 - 09:30
ROOM 4
Level 01
Abstracts

Long-term clinical outcomes after SAVR and TAVI
Session comprising selected PCR London Valves 2019 abstract submissions
Chairpersons: J. Hancock, A. Linke, L. Torracca
08:30 - 09:30
TAVI in unusual clinical situations
Session comprising selected PCR London Valves 2019 clinical case submissions
Facilitators: T. Folliguet, Y. Ohno, S. Toggweiler

08:30
Unique haemodynamics in a patient who underwent TAVR with apicoaortic conduit dysfunction
S. Domoto

08:35
Discussion and audience interaction

08:39
Supra-annular sizing of TAVR prosthesis in bicuspid aortic valve disease
G. Iannopollo

08:44
Discussion and audience interaction

08:48
Minimal invasive therapy for aortic stenosis and left ventricular outflow tract obstruction - TAVI or not
Y.J. Li

08:53
Discussion and audience interaction

08:57
TAVR in long-term ventricular assist device supported patient
F. Fumero

09:02
Discussion and audience interaction

09:06
Feasibility of a self-expandable TAVR device for use in patients with non-calcified, pure aortic regurgitation
M. Silaschi

09:11
Discussion and audience interaction

09:14
Pure aortic regurgitation and advanced liver and kidney failure: when conventional surgical risk scores underestimate the actual surgical risks
X. Freixa

09:19
Discussion and audience interaction

09:22
TAVI in pure aortic insufficiency in a patient with ascending and descending grafts
M. Alcaino

09:27
Discussion and audience interaction

09:00 - 10:30
Imaging right-sided heart structures "tricuspid valve" for transcatheter tricuspid valve interventions
Facilitators: N. Piazza, F. Praz
Enabler: O. Ozden Tok

Attend this session if you want:

- To define the characteristics of the tricuspid valve in the 1-, 2-, 3-, and 4-chamber views
- To define the normal distribution of the tricuspid valve optimal projection curve (i.e. S-curve)
- To provide practical applications of chamber views and optimal projection curves for transcatheter tricuspid valve interventions

09:00 - 10:30
Basic wire skills for structural valve intervention
A joint educational project between PCR and Zurich HeartLab
Facilitator: A. Ferrero Guadagnoli
Enablers: S. Okutucu, A. Pozzoli, J. Sromicki

Attend this session if you want:

- To learn the basic skills of structural intervention, as an introduction to future work in the cathlab
- To understand the basics of catheter interventions and improve your ability to support cases
- To get familiar with the material needed to perform mitral, tricuspid and aortic procedures

Open session of 90 minutes on a first come first served basis.

09:00 - 10:30
Complications during mitral intervention: prevention and management
A joint educational project between PCR and Zurich HeartLab
Facilitator: F. Maisano
Enabler: M. Canic

Attend this session if you want:

- To reduce the risk of procedural complications during transcatheter mitral intervention
- To learn more about the prevention and management of potential complications via interaction with experts and your peers

Open session of 90 minutes on a first come first served basis.

- 09:00 -

09:00 - 10:30
Applied Learning: new transcatheter approaches to the tricuspid valve
Facilitators: E. Ho, A. Latib, G. Nickenig
Media Driver: T. Cahill

Attend this session if you want:

- To understand which patients may benefit from transcatheter treatment of tricuspid regurgitation
- To appreciate the critical importance of imaging guidance for patient selection and procedural performance
- To learn more about currently available tricuspid devices and their specific challenges and limitations

- 09:00 -

09:00 - 10:30
Structural Intervention Skills Room
Level 01
Simulation-based learning

- 09:00 -

09:00 - 10:30
Imaging Learning Centre
Level 01
Focus on Imaging

- 09:00 -

09:00 - 10:30
Mitral and Tricuspid Lounge
Level 01
Simulation-based learning

- 09:00 -

09:00 - 10:30
Interactive Case Corner
Level 01
Case Discussion

- 09:00 -

09:00 - 10:30
Room Learning
Level 01
Focus on Applied Learning

- 09:00 -

09:00 - 10:30
Applied Learning: new transcatheter approaches to the tricuspid valve
Facilitators: E. Ho, A. Latib, G. Nickenig
Media Driver: T. Cahill

Attend this session if you want:

- To understand which patients may benefit from transcatheter treatment of tricuspid regurgitation
- To appreciate the critical importance of imaging guidance for patient selection and procedural performance
- To learn more about currently available tricuspid devices and their specific challenges and limitations

- 09:00 -
09:00 - 10:30

**TRANSEPTAL PUNCTURE HEARTLAB**
Level 01

**Educational Pathway:**
Transseptal Access For Mitral Valve Procedures

Simulation-based learning

**Transseptal puncture: in-depth hands-on learning**
A joint educational project between PCR and Zurich HeartLab

Facilitator: I. Pascual

Enablers: M. Gavazzoni, C. Godino, M. Miura, M. Montenegro, G. Russo, M. Sarraf

**Attend this session if you want:**
- To become more familiar with the details of transseptal puncture using different simulation modalities
- To learn how to manage difficult atrial septal anatomy
- To expand your opportunities and embrace the revolution in mitral valve intervention

Open session of 90 minutes on a first come first served basis.

09:35 - 10:35

**ROOM 2**
Level 01

**Case Discussion**

Case-based learning for the Heart Valve team: TAVI failure - What are the options?

*Chairpersons: G. Fontana, B. Rana*

*Panellists: P. Denti, D. Mylotte*

*React@PCR Moderator: O. Chehab*

**Attend this session if you want:**
- To learn more about the detection and management of structural valve deterioration and bioprosthesis valve failure
- To appreciate the key role of imaging in patient assessment
- To understand how Heart Team discussions can help to identify whether transcatheter or surgical treatment is the best option for TAVI failure

09:35 - 10:35

**MAIN ARENA**
Level 01

Tutorial

**Controversy - Challenges for the Heart Team II: Mitral regurgitation and heart failure - Where two worlds meet**

Supported by an unrestricted educational grant from Abbott

Facilitators: A. Baumbach, M. Metra

Discussants: J. Cleland, R. Hahn, J. Hausleiter, F. Wells

React@PCR Moderator: M. Buch

**Attend this session if you want:**
- To hear the latest thinking concerning the optimal management of patients with heart failure and secondary mitral regurgitation
- To engage in a discussion regarding the implications of recent trials for your clinical practice
- To participate in a census of current clinical opinion on this key topic

09:35 - 10:35

**Case Discussion**

Case-based learning for the Heart Valve team: TAVI failure - What are the options?

*Chairpersons: G. Fontana, B. Rana*

*Panellists: P. Denti, D. Mylotte*

*React@PCR Moderator: O. Chehab*

**Attend this session if you want:**
- To learn more about the detection and management of structural valve deterioration and bioprosthesis valve failure
- To appreciate the key role of imaging in patient assessment
- To understand how Heart Team discussions can help to identify whether transcatheter or surgical treatment is the best option for TAVI failure

09:35

**Session objectives**

B. Rana

09:39

Structural valve deterioration and bioprosthesis valve failure: definitions, mechanisms and treatment options

D. Dvir

09:49

Case 1: a young TAVI patient with structural valve deterioration

V. Bapat

09:56

Case 2: a TAVI patient with infective endocarditis

P. Maccarthy

10:10

Case 3: a TAVI patient with patient-prosthesis mismatch

P. Pibarot

10:24

Session evaluation and key learnings

G. Fontana
Secondary mitral regurgitation in 2019: mastering the full spectrum of treatment options

Chairpersons: J. Bax, H. Ince
Panellists: A. Jönsson, R.S. Von Bardeleben (pending confirmation), N. Wunderlich, K.K. Yeo

09:35 - 10:35
ROOM 3
Level 01
Case Discussion

Attend this session if you want:
› To update your knowledge concerning the contemporary evidence base for the management of secondary mitral regurgitation
› To understand the complexity and variability of clinical presentation and the spectrum of therapeutic options
› To learn how Heart Team discussions can help to guide treatment selection for individual patients in everyday clinical practice

09:35
› Session objectives
  H. Ince

09:38
› 35 years of valve repair for secondary mitral regurgitation: what have we learnt?
  O. Alfieri

09:44
› The evidence base: medical therapy and cardiac resynchronisation
  V. Rudolph

09:50
› The evidence base: valve surgery, assist devices and transplantation
  M. Mack

09:56
› The evidence base: transcatheter repair and replacement
  C. Grasso

10:02
› Case 1: a patient with dilated cardiomyopathy, broad QRS complexes and severe secondary mitral regurgitation
  V. Delgado

10:10
› Discussion and audience interaction

10:17
› Case 2: a patient with complex coronary disease and severe secondary mitral regurgitation
  J. Buithieu

10:25
› Discussion and audience interaction

10:32
› Session evaluation and key learnings
  J. Bax

How best to educate and consent our patients

Facilitators: F. Germinal, K. Wilson
Panellists: G. Beilby, M. De Ronde, I. Uchmanowicz, R. Yadav

09:35 - 10:35
ROOM 4
Level 01
Focus on Nurses and Allied Professionals Tutorial

Attend this session if you want:
› To learn what the patient really wants to know and understand that it is not always what we are telling them
› To identify new techniques for educating our patients
› To understand that consent is not a single event but a continuous process

09:35
› Session objectives
  K. Wilson

09:38
› What do patients really want to know?
  L. Hinterbuchner

09:45
› Discussion and audience interaction
  E. Harris

09:49
› Consent - When and by whom?
  F. McCalmont

09:56
› Discussion and audience interaction

10:00
› Shared decision-making - What tools can we use?
  G. Mccalmont

10:07
› Discussion and audience interaction

10:11
› Consent using the talk-back technique (with demonstration)
  F. Astin

10:27
› Discussion and audience interaction

10:32
› Session evaluation and key learnings
  F. Germinal

TAVI: management of unusual complications

Session comprising selected PCR London Valves 2019 clinical case submissions

Facilitators: A. Cheung, W.K. Kim, E. Tay

09:35 - 10:35
INTERACTIVE CASE CORNER
Level 01
Case Discussion

09:35
› Wire entrapment in hypertrabecular left ventricle after aortic valve release
  C. Aurigemma

09:43
› Discussion and audience interaction

09:47
› Management of an iatrogenic VSD after TAVI in a patient with bicuspid severe aortic stenosis
  P. Codner

09:55
› Discussion and audience interaction

09:59
› Annulus rupture sealed with valve expansion - The rise and fall of a complication
  E. Khalifa

10:07
› Discussion and audience interaction

10:11
› Ruptured pseudoaneurysm of the mitral-aortic intervalvular fibrosa as a rare complication of TAVR
  A. Félix De Oliveira

10:19
› Discussion and audience interaction

10:23
› Unsuccessful TAVI in a patient with left ventricular assist device
  S. Bleiziffer

10:31
› Discussion and audience interaction
- 10:00 -

10:30 - 11:00

POSTERS’LAB
Level 01
Moderated e-Posters

Outcomes after balloon aortic valvuloplasty and TAVI
Session comprising selected PCR London Valves 2019 abstract submissions
Facilitators: O. De Backer, G. Lloyd, G. Lucchese

10:30
Predictors and clinical outcomes associated with the utilisation of the repositioning mechanism following TAVI with a self-expandable valve
J. Forrest

10:35
Discussion and audience interaction

10:40
Five-year outcomes with a fully repositionable and retrievable percutaneous aortic valve in 250 high surgical risk patients: final results from the REPRISE II trial extended cohort
D.J. Blackman

10:45
Discussion and audience interaction

10:50
Balloon aortic valvuloplasty in the era of TAVI - A review of complications, mortality and destination therapy
K.N. Asrress

10:55
Discussion and audience interaction

- 11:00 -

11:00 - 12:40

MAIN ARENA
Level 01
Educational Pathway: Transseptal Access For Mitral Valve Procedures
Sponsored Tools and Techniques

The Edwards PASCAL transcatheter valve repair system - Latest innovation in transcatheter mitral valve therapy
See session details in the Sponsored Programme section at the end of this document.

11:00 - 12:00

ROOM 3
Level 01
Sponsored Symposium

Treatment of aortic stenosis for today - Important considerations for the future
See session details in the Sponsored Programme section at the end of this document.
- 12:00 -

**TAVI and paravalvular leak closure**
Session comprising selected PCR London Valves 2019 abstract submissions
Facilitators: T. Bourguignon, J. Buithieu, D. Hildick-Smith

12:40
- Related factors to high platelet reactivity in patients with severe aortic stenosis undergoing TAVI
  V.A. Jimenez Diaz
12:45
- Discussion and audience interaction
12:50
- The iliofemoral tortuosity score predicts access and bleeding complications during transfemoral TAVI
  M. Mach
12:55
- Discussion and audience interaction
13:00
- Minimally invasive transradial approach for percutaneous closure of aortic paravalvular leaks: a single-centre experience
  L. Ortega-Paz
13:05
- Discussion and audience interaction

- 13:00 -

**LIVE demonstration from St Thomas' Hospital - London, United Kingdom: TAV in TAV for an 8-year old degenerating TAVI device**
Chairpersons: J. Fajadet, M. Gilard
Procedural Expert: T. Lefevre
React@PCR Expert: A. Finkelstein
Operators: J. Hancock, T. Patterson, S. Redwood
Medical Control Desk: G. Witberg
React@PCR Moderator: M. Mach

13:10
- Patient presentation
  M. Gilard
13:13
- Imaging analysis
  P. Blanke
13:18
- Strategic and technical discussion of the LIVE case
13:25
- Key objectives, strategy, tools and technique presented by Operators
13:30
- LIVE case procedure
14:00
- LIVE Time to React@PCR with Operators

13:10 - 14:40

**ROOM 2**
Level 01
Educational Pathway: Bicuspid Aortic Valve
Case Discussion

13:10
- Session objectives
  A.S. Petronio
13:15
- Aortic regurgitation - What you need to know - Epidemiology, anatomy and pathophysiology
  M. Sarana
13:23
- Time to React@PCR
13:31
- Current guidelines and surgical treatment options
  M. Borger
13:39
- Time to React@PCR
13:47
- Case 1: an elderly patient with mixed aortic stenosis and regurgitation
  O. Goktekin
13:55
- Time to React@PCR
14:03
- Case 2: a high-risk patient with a bicuspid valve and severe aortic regurgitation
  H. Adams
14:11
- Time to React@PCR
14:19
- Case 3: a patient with a dilated aortic root and severe aortic regurgitation
  S. Baldus
14:27
- Time to React@PCR
14:35
- Session evaluation and key learnings
  S. Kodali

**Case-based learning for the Heart Valve Team: TAVI in pure aortic regurgitation**
Chairpersons: S. Kodali, A.S. Petronio
Panellists: T. Bourguignon, D. Hildick-Smith, A. Seth, T. Vahl
React@PCR Moderator: H. Hurrell

Attend this session if you want:
- To gain an in-depth understanding of the anatomy and pathophysiology of aortic regurgitation
- To reinforce your knowledge of current and emerging surgical treatment options
- To learn more about the potential role of TAVI in this patient group and how to identify potential candidates for transcatheter intervention
- To meet and learn from experts in the field

13:39
- Time to React@PCR
13:47
- Case 2: a high-risk patient with a bicuspid valve and severe aortic regurgitation
  H. Adams
14:03
- Time to React@PCR
14:11
- Case 3: a patient with a dilated aortic root and severe aortic regurgitation
  S. Baldus
14:27
- Time to React@PCR
14:35
- Session evaluation and key learnings
  S. Kodali
13:10 - 14:40  
**Rapid fire - Latest updates from the world of TMVR**

**Chairpersons:** M. Guerrero, R. Ronak  
**Panellists:** J. Bax, S. Bleiziffer, P. Denti, E. Grube  

**Attend this session if you want:**
- To learn more about the early clinical outcomes of patients undergoing TMVR  
- To fully understand current clinical and imaging selection criteria for these challenging procedures  
- To recognise the engineering limitations of current devices and potential future solutions

13:10  
**CURRENT TRANSEAPICAL OPTIONS**  
13:15  
- Transapical Tendyne  
  D. Muller  
13:20  
- Discussion and audience interaction  
13:23  
- Transapical Intrepid  
  R. Ronak  
13:28  
- Discussion and audience interaction  
13:31  
- Transapical Neovasc  
  A. Cheung  
13:36  
- Discussion and audience interaction

13:39  
**EMERGING TRANSSEPTAL ALTERNATIVES**  
- Transseptal HighLife  
  M. Rothman  
13:44  
- Discussion and audience interaction  
13:47  
- Transseptal Caison  
  M. Williams  
13:52  
- Discussion and audience interaction  
13:55  
- Transseptal EVOQUE TMVR  
  J. Webb  
14:00  
- Discussion and audience interaction  
14:03  
- Transseptal Cardiovalve  
  F. Maisano  
14:08  
- Discussion and audience interaction  
14:11  
- Transseptal M3 Valve  
  J. Webb  
14:16  
- Discussion and audience interaction  
14:19  
- Transseptal Cephea  
  T. Modine  
14:24  
- Discussion and audience interaction  
14:27  
- 4C Alta Valve  
  P. Genereux  
14:32  
- Discussion and audience interaction  
14:35  
- Session evaluation and key learnings  
  M. Guerrero

13:10 - 14:40  
**What will be relevant for TAVI assessment in 2020?**

**Facilitators:** S. Carson, L. Hinterbuchner  
**Panellists:** C. Allen, R. Dworakowski, B.H. Kirk, R. Reid

**Attend this session if you want:**
- To understand the relevance of frailty as we move towards a lower risk TAVI population  
- To appreciate the key imaging requirements before referral to the Heart Team  
- To identify which patients may need a pacemaker and when it should be implanted  
- To learn how modern Heart Teams should function

13:10  
**SESSION OBJECTIVES**  
13:13  
- Frailty assessment in high- and low-risk patients  
  S. Roshan  
13:23  
- Discussion and audience interaction  
13:29  
- Optimal imaging from the referring team - What do we really need?  
  K. Victor  
13:39  
- Discussion and audience interaction  
13:45  
- Predicting the need for pacemaker insertion - Are we too early or too late?  
  P. Nolan  
13:55  
- Discussion and audience interaction

14:01  
**The Interventionist**  
R. Bhindi  
14:03  
**The Nurse**  
K. Wilson  
14:05  
**The Geriatrician**  
S. Roshan  
14:07  
**The Imaging Specialist**  
R. Hahn  
14:09  
**The Surgeon**  
G. Dahle  
14:11  
- Discussion and audience interaction  
14:14  
**Session evaluation and key learnings**  
S. Carson

13:10 - 14:40  
**Applied Learning: TAVI complications and pitfalls**

**Facilitators:** A. Neylon, C. Tamburino, H. Treede  
**Media Driver:** C. Cook

**Attend this session if you want:**
- To identify the key imaging predictors of different TAVI complications  
- To know how to diagnose and treat common complications of TAVI  
- To understand the value of a checklist to guide decision-making in emergency circumstances

13:10  
**SESSION OBJECTIVES**  
13:13  
- To identify the key imaging predictors of different TAVI complications  
13:16  
- To know how to diagnose and treat common complications of TAVI  
13:20  
- To understand the value of a checklist to guide decision-making in emergency circumstances  
13:23  
- Discussion and audience interaction  
13:29  
- Discussion and audience interaction  
13:35  
**Session evaluation and key learnings**  
M. Guerrero

---

**TAVI**  
**Mitral valve replacement and repair**  
**Tricuspid / Pulmonary valve**  
**Other valvular and structural interventions**
13:10 - 13:50
INTERACTIVE CASE CORNER
Level 01
Case Discussion

13:10
> Long-term outcomes of the first- and second-in-man compassionate use TMVR using the Tendyne device
  A. Duncan

13:15
> Discussion and audience interaction

13:20
> Inoue balloon for retrograde balloon aortic valvuloplasty
  K. Ishizu

13:25
> Discussion and audience interaction

13:30
> Peri-procedural transient ST elevation during LAA closure with a novel device
  P.A. Pagnotta

13:35
> Discussion and audience interaction

13:40
> Continuity of care in a nutshell - A case of mitral stenosis
  A. Pozzoli

13:45
> Discussion and audience interaction

13:10 - 14:40
IMAGING LEARNING CENTRE
Level 01
Focus on Imaging
Imaging Learning Centre

Practical imaging case examples across all transcatheter valve interventions: implementing learnings from the Imaging Learning Centre
Facilitators: D. Mylotte, N. Piazza
Enabler: O. Ozden Tok

Attend this session if you want:
> To provide clinical case examples to highlight the lessons from the Imaging Learning Centre

13:10 - 14:40
STRUCTURAL INTERVENTION SKILLS ROOM
Level 01
Simulation-based learning

Basic wire skills for structural valve intervention
A joint educational project between PCR and Zurich HeartLab
Facilitator: S. Kuwata
Enablers: S. Okutucu, I. Pascual, J. Sromicki

Attend this session if you want:
> To learn the basic skills of structural intervention, as an introduction to future work in the cathlab
> To understand the basics of catheter interventions and improve your ability to support cases
> To get familiar with the material needed to perform mitral, tricuspid and aortic procedures

Open session of 90 minutes on a first come first served basis.

13:10 - 14:40
MITRAL AND TRICUSPID LOUNGE
Level 01
Simulation-based learning

Complications during mitral intervention: prevention and management
A joint educational project between PCR and Zurich HeartLab
Facilitator: R. Estevez-Loureiro
Enabler: M. Canic

Attend this session if you want:
> To reduce the risk of procedural complications during transcatheter mitral intervention
> To learn more about the prevention and management of potential complications via interaction with experts and your peers

Open session of 90 minutes on a first come first served basis.

13:10 - 14:40
TRANSSEPTAL PUNCTURE HEARTLAB
Level 01
Educational Pathway: Transseptal Access For Mitral Valve Procedures

Transseptal puncture: in-depth hands-on learning
A joint educational project between PCR and Zurich HeartLab
Facilitator: M. Sarraf
Enablers: M. Gavazzoni, M. Miura, M. Montenegro, G. Russo

Attend this session if you want:
> To become more familiar with the details of transseptal puncture using different simulation modalities
> To learn how to manage difficult atrial septal anatomy
> To expand your opportunities and embrace the revolution in mitral valve intervention

Open session of 90 minutes on a first come first served basis.
Tuesday 19 November 2019 - Afternoon

13:55 - 14:45

INTERACTIVE CASE CORNER
Level 01
Case Discussion

TAVI in patients with associated disease of the aorta
Session comprising selected PCR London Valves 2019 clinical case submissions
Facilitators: J. Forrest, W.K. Kim, G. Lucchese

13:55
Bailout thoracic endovascular aortic repair (TEVAR) for acute aortic dissection during transfemoral TAVR
K. Kuwabara

14:00
Discussion and audience interaction

14:05
Ascending aortic dissection due to heavy calcified valve during TAVI
T. Taniguchi

14:10
Discussion and audience interaction

14:15
TAVI and double TEVAR for aortic aneurysm and type A aortic dissection: case management and 18-month clinical and imaging follow-up
M. Lunardi

14:20
Discussion and audience interaction

14:25
Successful abdominal aortic rupture treatment during TAVI
M. Gonçalves

14:30
Discussion and audience interaction

14:35
Transapical revalving in type B aortic dissection
F. Fumero

14:40
Discussion and audience interaction

- 14:00 -

14:15 - 14:45

MAIN ARENA
Level 01
Keynote Lecture

The Heart Team 2.0 - Where will we be in 2030?
Chairpersons: J. Fajadet, W. Wijns

14:15
Introduction
W. Wijns

14:18
The Heart Team 2.0 - Where will we be in 2030?
J.L. Zamorano

14:26
The Heart Team 2.0 - Where will we be in 2030?
S. Windecker

14:34
The Heart Team 2.0 - Where will we be in 2030?
D. Adams

14:42
Note of thanks
J. Fajadet

14:45 - 15:45

ROOM 2
Level 01
Case Discussion

Complications of surgical and transcatheter valve interventions: the case that taught me most
Chairpersons: O. Alfieri, R. Makkar
Panelists: S. Bleiziffer, A. Greenbaum, J. Hausleiter, A. Seth
React@PCR Moderator: H. Hurrell

Attend this session if you want:

- To appreciate that serious complications can affect any operator and any patient
- To understand techniques for the effective prevention and management of life-threatening complications during transcatheter valve interventions
- To learn vital tips and tricks from high-volume experienced operators

14:45
Session objectives
R. Makkar

14:49
TAVI
G. Nickenig

14:54
Time to React@PCR
Surgical case
D. Adams

14:59
Time to React@PCR
Fool me once, shame on you. Fool me twice, shame on me
A. Finkelstein

15:04
Complications of surgical and transcatheter valve interventions: the case that taught me most
A. Colombo

15:09
Time to React@PCR

15:16
Note of thanks
O. Alfieri

14:50 - 15:50

MAIN ARENA
Level 01
Educational Pathway: Bicuspid Aortic Valve

LIVE demonstration from Clinique Pasteur - Toulouse, France: TAVI in bicuspid aortic valve disease
Chairpersons: T. Modine, L. Sondergaard
Panelists: J. Bax, R. Hahn, A. Latib, F. Maisano, F. Maisano, D. Mylotte, H. Treede
Procedural Expert: N. Piazza
React@PCR Expert: P. Maccarthy
Operators: N. Dumonteil, D. Tchetche
Medical Control Desk: A. Ferrero Guadagnoli
React@PCR Moderator: I. Pascual

14:50
Patient presentation
L. Sondergaard

14:53
Imaging analysis
R. Hahn
- 15:00 -

15:50 - 16:05
PCR London Valves Closing Ceremony

Chairpersons: T. Modine, L. Sondergaard

15:50
Concluding remarks
F. Maisano, B. Prendergast
Detailed Sponsored Programme
- 17:00 -

Transforming patient access and care for valvular heart disease
Sponsored by Edwards Lifesciences
Chairpersons: T. Modine, B. Prendergast
Panellists: J. Hausleiter, P. Lurz, G. Tarantini, J. Webb, S. Windecker
React@PCR Moderator: C. Godino

Attend this session if you want:
- To learn about the implication of valve design choice
- To understand current and future patient transcatheter treatment options
- To anticipate the future challenges of the heart teams

17:30 - Session objectives
T. Modine

17:33 - The paradigm has changed in aortic valve disease management
S. Windecker

17:38 - Time to React@PCR

17:43 - Why valve design matters to patients’ future?
G. Tarantini

17:53 - Redo THV versus redo surgical AVR and THV-in-THV: key learnings (case based)
J. Webb

18:03 - Time to React@PCR

18:11 - Let’s change the paradigm in mitral valve disease management
S. Windecker

18:16 - Time to React@PCR

18:21 - Improving outcomes for mitral regurgitation with the PASCAL repair system
P. Lurz

18:31 - Time to React@PCR

18:36 - Combining treatment for aortic stenosis and mitral regurgitation
J. Hausleiter

18:46 - Time to React@PCR

18:51 - What is the Heart Team 2.0?
B. Prendergast

19:01 - Time to React@PCR

19:06 - Session evaluation and key learnings
T. Modine

17:30 - 18:15

Imaging essentials in mitral regurgitation
Sponsored by Medtronic
Chairpersons: P. Kappetein, L. Sondergaard
Panellists: J. Bax, R. Hahn, M. Swaans
React@PCR Moderator: H. Hurrell

Attend this session if you want:
- To better understand the imaging needs for screening of patients with mitral regurgitation
- To understand the importance of echocardiography in transcatheter mitral procedures
- To gain perspectives on the pearls and pitfalls of echocardiography in transcatheter mitral valve replacement

17:30 - Session objectives
P. Kappetein

17:32 - APOLLO trial overview
L. Sondergaard

17:37 - Inconsistencies in mitral echocardiography
J. Bax

17:45 - Screening for transcatheter mitral intervention
M. Swaans

17:53 - TMVR is an echo-based procedure - Pearls and pitfalls
R. Hahn

18:01 - Time to React@PCR

18:13 - Session evaluation and key learnings
L. Sondergaard
- 13:00 -

**Innovations in TAVI technique and technology to address evolving patient needs**

Sponsored by Medtronic  
Chairpersons: D. Tchetche, S. Windecker  
Panelists: D. Capodanno, H. Danenberg, D.G.W. Fraser, D. Mylotte, M. Reardon, M. Williams  
React@PCR Moderator: A. Ferrero Guadagnoli

**Attend this session if you want:**
- To discuss how TAVI treatment options need to adapt to the changing needs of younger and lower risk patients
- To explore practical, contemporary techniques to optimise TAVI procedural outcomes and minimise the need for permanent pacemaker implantation
- To learn more about the latest innovation in TAVI using the Evolut PRO+ valve system

<table>
<thead>
<tr>
<th>Time</th>
<th>Session topics</th>
</tr>
</thead>
<tbody>
<tr>
<td>13:00</td>
<td>Session objectives</td>
</tr>
<tr>
<td>13:03</td>
<td>Meeting the changing needs of TAVI patients - Optimal hemodynamics and avoiding patient prosthesis mismatch M. Reardon</td>
</tr>
<tr>
<td>13:12</td>
<td>Time to React@PCR</td>
</tr>
<tr>
<td>13:17</td>
<td>Treating bicuspid aortic valve stenosis with TAVI - What have we learned so far? D. Mylotte</td>
</tr>
<tr>
<td>13:26</td>
<td>Time to React@PCR</td>
</tr>
<tr>
<td>13:31</td>
<td>Recorded case from Hadassah Medical Center - Jerusalem, Israel H. Danenberg</td>
</tr>
<tr>
<td>13:51</td>
<td>Time to React@PCR</td>
</tr>
<tr>
<td>14:01</td>
<td>Achieving single digit pacemaker rates in contemporary practice - Experience from Manchester, UK D.G.W. Fraser</td>
</tr>
<tr>
<td>14:07</td>
<td>Achieving single digit pacemaker rates in contemporary practice - Experience from New York University, USA M. Williams</td>
</tr>
<tr>
<td>14:13</td>
<td>Time to React@PCR</td>
</tr>
<tr>
<td>14:23</td>
<td>TAVI durability - What can we expect long term? D. Capodanno</td>
</tr>
<tr>
<td>14:32</td>
<td>Time to React@PCR</td>
</tr>
<tr>
<td>14:37</td>
<td>Session evaluation and key learnings S. Windecker</td>
</tr>
</tbody>
</table>

13:00 - 14:30

**Increasing safety in complex TAVI procedures**

Sponsored by Boston Scientific  
Chairpersons: R. Kharbanda, L. Sondergaard  
Panelists: M. Abdel-Wahab, W.K. Kim, J. Seeger, N. Van Mieghem

**Attend this session if you want:**
- To review the current data on cerebral embolic protection during TAVI
- To understand different options for complex TAVI procedures
- To learn about future options for transcatheter mitral valve repair

<table>
<thead>
<tr>
<th>Time</th>
<th>Session topics</th>
</tr>
</thead>
<tbody>
<tr>
<td>13:00</td>
<td>Session objectives</td>
</tr>
<tr>
<td>13:05</td>
<td>Prevention of TAVI-related stroke - Current status and future steps L. Sondergaard</td>
</tr>
<tr>
<td>13:15</td>
<td>How to achieve a good result with ACURATE neo - Reducing the risk of paravalvular leak W.K. Kim</td>
</tr>
<tr>
<td>13:25</td>
<td>Case presentation: challenging anatomy 1 L. Sondergaard</td>
</tr>
<tr>
<td>13:30</td>
<td>Discussion and audience interaction</td>
</tr>
<tr>
<td>13:35</td>
<td>Case conclusion</td>
</tr>
<tr>
<td>13:45</td>
<td>How to achieve a good result with LOTUS Edge - Reducing the risk of permanent pacemaker implantation R. Kharbanda</td>
</tr>
<tr>
<td>13:55</td>
<td>Case presentation: challenging anatomy 2 M. Abdel-Wahab</td>
</tr>
<tr>
<td>14:00</td>
<td>Discussion and audience interaction</td>
</tr>
<tr>
<td>14:10</td>
<td>Case conclusion</td>
</tr>
<tr>
<td>14:15</td>
<td>Transcatheter mitral valve repair: the MILLIPEDE programme N. Van Mieghem</td>
</tr>
<tr>
<td>14:25</td>
<td>Session evaluation and key learnings R. Kharbanda</td>
</tr>
</tbody>
</table>

| 13:00 - 14:40 | MAIN ARENA  
**Tools and Techniques**  
Sponsored by Medtronic  
Chairpersons: D. Tchetche, S. Windecker  
Panelists: D. Capodanno, H. Danenberg, D.G.W. Fraser, D. Mylotte, M. Reardon, M. Williams  
React@PCR Moderator: A. Ferrero Guadagnoli

**Attend this session if you want:**
- To discuss how TAVI treatment options need to adapt to the changing needs of younger and lower risk patients
- To explore practical, contemporary techniques to optimise TAVI procedural outcomes and minimise the need for permanent pacemaker implantation
- To learn more about the latest innovation in TAVI using the Evolut PRO+ valve system

<table>
<thead>
<tr>
<th>Time</th>
<th>Session topics</th>
</tr>
</thead>
<tbody>
<tr>
<td>13:00</td>
<td>Session objectives</td>
</tr>
<tr>
<td>13:03</td>
<td>Meeting the changing needs of TAVI patients - Optimal hemodynamics and avoiding patient prosthesis mismatch M. Reardon</td>
</tr>
<tr>
<td>13:12</td>
<td>Time to React@PCR</td>
</tr>
<tr>
<td>13:17</td>
<td>Treating bicuspid aortic valve stenosis with TAVI - What have we learned so far? D. Mylotte</td>
</tr>
<tr>
<td>13:26</td>
<td>Time to React@PCR</td>
</tr>
<tr>
<td>13:31</td>
<td>Recorded case from Hadassah Medical Center - Jerusalem, Israel H. Danenberg</td>
</tr>
<tr>
<td>13:51</td>
<td>Time to React@PCR</td>
</tr>
<tr>
<td>14:01</td>
<td>Achieving single digit pacemaker rates in contemporary practice - Experience from Manchester, UK D.G.W. Fraser</td>
</tr>
<tr>
<td>14:07</td>
<td>Achieving single digit pacemaker rates in contemporary practice - Experience from New York University, USA M. Williams</td>
</tr>
<tr>
<td>14:13</td>
<td>Time to React@PCR</td>
</tr>
<tr>
<td>14:23</td>
<td>TAVI durability - What can we expect long term? D. Capodanno</td>
</tr>
<tr>
<td>14:32</td>
<td>Time to React@PCR</td>
</tr>
<tr>
<td>14:37</td>
<td>Session evaluation and key learnings S. Windecker</td>
</tr>
</tbody>
</table>
A team approach to the management of tricuspid regurgitation

Attend this session if you want:
› To improve your understanding of tricuspid valve disease: anatomy, imaging, guideline-directed treatment
› To appreciate how changes in current practice could improve the diagnosis and treatment of tricuspid regurgitation
› To introduce transcatheter treatment options for tricuspid regurgitation at your centre
› To learn the specific advantages of the Edwards Cardioband tricuspid valve reconstruction system for your patients with tricuspid regurgitation

13:00 - 13:45
ROOM 3
Level 01
Sponsored Symposium
Chairpersons: G. Nickenig, V. Rudolph
Panellists: V. Delgado, A. Linke, H. Treede, J.L. Zamorano

13:00 - 13:45
ROOM 4
Level 01
Sponsored Symposium

Shockwave IVL: a new alternative to alternative TAVI access

Attend this session if you want:
› To learn about options available for alternative TAVI access
› To learn about intravascular lithotripsy as an option to preserve transfemoral TAVI
› To learn about various approaches to patient selection

13:00 - 13:45
ROOM 4
Level 01
Sponsored Symposium
Chairperson: A. Colombo
Panellists: O. De Backer, C. Di Mario, G. Sardella

13:00 - 13:45
ROOM 3
Level 01
Sponsored Symposium
Chairpersons: G. Nickenig, V. Rudolph
Panellists: V. Delgado, A. Linke, H. Treede, J.L. Zamorano

Attend this session if you want:
› To improve your understanding of tricuspid valve disease: anatomy, imaging, guideline-directed treatment
› To appreciate how changes in current practice could improve the diagnosis and treatment of tricuspid regurgitation
› To introduce transcatheter treatment options for tricuspid regurgitation at your centre
› To learn the specific advantages of the Edwards Cardioband tricuspid valve reconstruction system for your patients with tricuspid regurgitation

13:00 - 13:45
ROOM 3
Level 01
Sponsored Symposium
Chairpersons: G. Nickenig, V. Rudolph
Panellists: V. Delgado, A. Linke, H. Treede, J.L. Zamorano

Attend this session if you want:
› To learn about options available for alternative TAVI access
› To learn about intravascular lithotripsy as an option to preserve transfemoral TAVI
› To learn about various approaches to patient selection
Improving patient access and clinical outcomes in the treatment of aortic stenosis - The Edwards Benchmark Program
Sponsored by Edwards Lifesciences
Chairpersons: D. Muir, D.A. Wood
Panellists: A. Baumbach, D. Frank, M. Kasel, B.H. Kirk, M. Spence

Attend this session if you want:
› To understand current and future constraints on aortic stenosis treatment in Europe
› To define contemporary treatment standards and appropriate pathways to improve overall quality of care
› To learn more about the Edwards Benchmark Program

13:55 - 14:40
ROOM 3
Level 01
Sponsored Symposium

New perspectives - Treatment of secondary mitral regurgitation in patients with heart failure
Sponsored by Cardiac Dimensions
Chairpersons: E. Grube, M. Haude
Panellists: S. Goldberg, R.S. Von Bardeleben

Attend this session if you want:
› To learn how to implant the Carillon Mitral Contour System
› To understand the impact of cinching the mitral apparatus on regurgitant volume and left ventricular remodeling
› To learn about the latest data of the Carillon Mitral Contour System

13:55 - 14:40
ROOM 4
Level 01
Sponsored Symposium
Mitral and tricuspid transcatheter valves therapies: time to innovate!
Sponsored by Abbott
Chairpersons: G. Nickenig, S. Windecker
Panellists: J. Hausleiter, S. Kar, E. Lubos, P. Lurz, P. Sorajja, R.S. Von Bardeleben
React@PCR Moderator: C. Godino

Attend this session if you want:
- To get up to date on MitraClip therapy’s recent clinical evidences and innovation
- To learn about tricuspid regurgitation and transcatheter therapies
- To review the Tendyne Clinical Program and learn of a new therapy in high surgical risk patients in whom good repair results are unlikely

18:05 Session objectives
G. Nickenig

18:10 MitraClip therapy: from symptomatic to outcome benefit
S. Windecker

18:18 Device enhancement expands treatment options
R.S. Von Bardeleben

18:26 Glimpse into MitraClip’s future
S. Kar

18:31 Time to React@PCR

18:38 Why should we treat tricuspid regurgitation using a transcatheter approach?
J. Hausleiter

18:46 What Triluminate tells us
P. Lurz

18:54 Time to React@PCR

19:03 Tendyne, a new transcatheter treatment option that eliminates mitral regurgitation
- Clinical programme update
P. Sorajja

19:15 Transcatheter mitral valve implantation with the Tendyne system in patients with prior aortic valve replacement
E. Lubos

19:25 Time to React@PCR

19:30 Session evaluation and key learnings
S. Windecker
- 11:00 -

The Edwards PASCAL transcatheter valve repair system - Latest innovation in transcatheter mitral valve therapy

Sponsored by Edwards Lifesciences

Chairpersons: J.J. Popma, L. Sondergaard
Panellists: R. Hahn, P. Lurz, M. Metra, H. Nef, H. Treede
Operators: N. Dumonteil, D. Tchetche
In-cathlab Echocardiographers: L. Bonfils, L. Lepage
Medical Control Desk: M. Mach
React@PCR Moderator: O. Chehab

Attend this session if you want:

- To learn more about the PASCAL repair system
- To understand the essential role of imaging in planning and performing a successful PASCAL repair system procedure
- To participate in a step-by-step LIVE demonstration of transcatheter mitral leaflet repair using the PASCAL repair system
- To review a variety of clinical cases with differing mitral pathology treated using the PASCAL repair system

11:00 - 12:00

ROOM 3
Level 01
Sponsored Symposium

Treatment of aortic stenosis for today - Important considerations for the future

Sponsored by Abbott
Chairpersons: G. Fontana, F. Maisano
Panellists: O. De Backer, A. Linke, R. Makkar

Attend this session if you want:

- To discuss important considerations when selecting your TAVI device to ensure future treatment options for your patients
- To understand how innovations drive improvement in procedural and clinical outcomes
- To learn more about procedural techniques using the latest generation TAVI system

11:00 - 12:00

ROOM 3
Level 01
Sponsored Symposium