



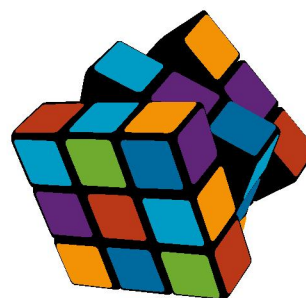
18-20 September 2016



ExCEL London  
London, United Kingdom

# Programme

*Valid as of 20 September 2016*



PCR London Valves is an official EAPCI Course on Valves

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- 11:00 -

11:00 - 12:00  
ROOM 2 - LEVEL  
1

## Taking TAVI to the next level with imaging

**Chairpersons:** *M. Monaghan, N. Piazza*  
**Panellists:** *A. Latib, S. Redwood, S. Saito, J. Zamorano*

Focus Imaging  
Plenary

### Attend this session if you want:

- To fully understand how state-of-the-art imaging can predict outcomes and reduce complications after TAVI
- To learn how to achieve optimal deployment depth during TAVI
- To appreciate the fundamental role of imaging during post-procedural follow-up

- 11:00 ➤ Session objectives  
*N. Piazza*
- 11:04 ➤ Predicting the outcome of valve implantation with echocardiography - where are we?  
*J. Hancock*
- 11:11 ➤ Time to React@PCR
- 11:17 ➤ Predicting the outcome of valve implantation with CT - current and future possibilities  
*J.J. Popma*
- 11:24 ➤ Time to React@PCR
- 11:30 ➤ Optimal device positioning to reduce procedural complications - the double S curve  
*D. Mylotte*
- 11:37 ➤ Time to React@PCR
- 11:43 ➤ Valve imaging during follow-up - normal and abnormal findings  
*R. Hahn*
- 11:50 ➤ Time to React@PCR
- 11:56 ➤ Session evaluation and key learnings  
*M. Monaghan*

### React@PCR

Post your instant messages to the Chairpersons directly from your smartphone!

- 12:00 -

**12:30 - 12:35**  
ROOM 5 - LEVEL 2  
Focus Innovation  
PCR innovators day

**Welcome and introduction**  
**Chairpersons:** A. Latib, F. Maisano  
**Panellists:** M. Darnaud, P. Denti, J. Eadie, G. Nickenig

**Attend PCR Innovators Day in London if you want:**

- To fully understand how percutaneous valve technology moves from concept to first-in-man use
- To learn more about innovations in percutaneous valve interventions
- To network with clinicians, innovators, MedTech executives, investors, trialists, and regulators in the field of percutaneous valve intervention

12:30 ➤ Welcome to PCR Innovators Day in London  
B. Prendergast

**12:35 - 13:35**  
ROOM 2 - LEVEL 1  
Focus Imaging  
Plenary

**Imaging of the mitral valve complex for transcatheter interventions**  
**Chairpersons:** I. Meredith, L. Sondergaard  
**Panellists:** J. Hancock, T. Lefevre, T. Modine, K.K. Yeo

**Attend this session if you want:**

- To fully understand the anatomical complexity of the mitral valve
- To appreciate the complementary roles of echocardiography and CT before, during and after transcatheter mitral valve interventions
- To become familiar with the imaging characteristics of the current range of percutaneous mitral devices

12:35 ➤ Session objectives  
I. Meredith

12:39 ➤ The anatomical and physiological complexity of the mitral valve  
V. Delgado

12:46 ➤ Time to React@PCR

12:52 ➤ Echocardiographic assessment of mitral regurgitation before, during and after intervention  
M. Monaghan

12:59 ➤ Time to React@PCR

13:05 ➤ Detailed planning of transcatheter mitral interventions using CT  
N. Piazza

13:12 ➤ Time to React@PCR

13:18 ➤ Imaging appearances of currently available devices - a user's guide  
R.S. Von Bardeleben

13:25 ➤ Time to React@PCR

13:31 ➤ Session evaluation and key learnings  
L. Sondergaard

**React@PCR**  
Post your instant messages to the Chairpersons directly from your smartphone!

**12:35 - 13:30**  
ROOM 5 - LEVEL 2  
Focus Innovation  
PCR innovators day

**Theme 1: innovation in percutaneous mitral valve repair**  
**Chairpersons:** A. Latib, F. Maisano  
**Panellists:** M. Darnaud, P. Denti, J. Eadie, G. Nickenig

12:35 ➤ Introduction - percutaneous mitral valve repair in 2016: unmet needs and future perspectives?  
A. Vahanian

**Innovations in focus: company presentations**

12:45 ➤ Mitraclap - an effective solution to repair mitral valve prolapse  
R. Zegdi

12:53 ➤ Discussion and audience interaction

13:00 ➤ Valcare mitral annuloplasty: from concept to first-in-human experience  
A. Segev

13:08 ➤ Discussion and audience interaction

13:15 ➤ Middle Peak Medical: a semi-repair and semi-replacement technique  
A. Khairkhan

13:23 ➤ Discussion and audience interaction

- 13:00 -

**13:30 - 14:10**  
NETWORKING AREA - LEVEL 2  
PCR innovators day

**Structured networking and coffee break**

- 14:00 -

**14:10 - 14:20**  
ROOM 5 - LEVEL 2  
Focus Innovation  
PCR innovators day

**A word from our sponsors**  
**Chairpersons:** V. Bapat, R. Kornowski  
**Panellists:** A. Cremonesi, J. Hon, I. Meredith, A. Schmitz

14:10 ➤ IMMR  
N. Borenstein

14:13 ➤ HTI BioQuest  
E. Howard

14:16 ➤ genae  
A. Talen

**14:20 - 15:15**  
ROOM 5 - LEVEL 2  
**Theme 2: innovation in percutaneous mitral valve replacement**

Focus Innovation



**Chairpersons:** V. Bapat, R. Kornowski  
**Panellists:** A. Cremonesi, J. Hon, I. Meredith, A. Schmitz

- 14:20 > Introduction - percutaneous mitral valve replacement in 2016: unmet needs and future perspectives?  
*N. Piazza*
- Innovations in focus: company presentations**
- 14:30 > The Caisson transcatheter mitral valve replacement system  
*M. Williams*
- 14:38 > Discussion and audience interaction
- 14:45 > The Cephea transcatheter mitral valve replacement system  
*M.B. Leon*
- 14:53 > Discussion and audience interaction
- 15:00 > LAMPOON: a novel interventional technique to prevent left ventricular outflow tract obstruction during transcatheter mitral valve replacement  
*J. Khan*
- 15:08 > Discussion and audience interaction

**14:35 - 15:35**  
ROOM 3 - LEVEL 1  
**Imaging for TAVI: live CT analysis and interpretation for correct device selection and sizing**

Focus Imaging



**Facilitators:** T. Modine, D. Mylotte  
**Media Driver:** P. Thériault-Lauzier

**Attend this session if you want:**

- > To learn how to analyse a CT scan of the aortic valvar complex prior to TAVI
- > To understand which clinical and anatomical variables are important for both patient and device selection
- > To appreciate the differences in CT analysis between bicuspid and tricuspid aortic valves and how this may influence patient and device selection

**15:45 - 16:45**  
ROOM 3 - LEVEL 1  
**Imaging for MitraClip Interventions: pre- and intraprocedural imaging**

Focus Imaging



**Facilitators:** F. Maisano, R.S. Von Bardeleben  
**Expert Panellist:** V. Delgado  
**Media Driver:** J. Joseph

**Attend this session if you want:**

- > To learn echocardiographic inclusion / exclusion criteria for patients with either primary or secondary mitral regurgitation undergoing MitraClip implantation
- > To learn the key aspects of intraprocedural echocardiography for MitraClip positioning and deployment
- > To better recognise when and how to deploy a "second" clip

**15:55 - 16:50**  
ROOM 5 - LEVEL 2  
**Theme 3: innovation in percutaneous tricuspid valve intervention**

Focus Innovation



**Chairpersons:** S. Bolling, C. Tamburino  
**Panellists:** J. Eadie, J. Schofer, P.W. Serruys, O. Wendler

- 15:55 > Introduction - percutaneous tricuspid valve intervention in 2016: unmet needs and future perspectives?  
*S. Windecker*
- Innovations in focus: company presentations**
- 16:05 > MIA: minimally invasive annuloplasty technology from Micro Interventional Devices  
*W. Hennemann*
- 16:13 > Discussion and audience interaction
- 16:20 > Direct annuloplasty - Cardioband in tricuspid regurgitation  
*K.H. Kuck*
- 16:28 > Discussion and audience interaction
- 16:35 > Tricuspid transcatheter repair with the 4Tech Tricinch device: FIM and beyond  
*P. Denti*
- 16:43 > Discussion and audience interaction

- 15:00 -

**15:15 - 15:55**  
NETWORKING AREA - LEVEL 2  
**Structured networking and coffee break**



- 16:00 -

**16:45 - 17:45**  
**ROOM 2 - LEVEL 1**

Focus Imaging  
Plenary

**Advanced imaging modalities to guide transcatheter valve interventions**

**Chairpersons:** V. Delgado, N. Van Mieghem

**Panellists:** A. Baumbach, R. Hahn, M. Monaghan, R.S. Von Bardeleben

**Attend this session if you want:**

- To appreciate the rapidly evolving role of imaging in facilitating transcatheter valve interventions
- To understand how intracardiac echocardiography and transnasal echocardiography can simplify transcatheter valve procedures
- To know more about the future of imaging in the cathlab environment

- 16:45 ➤ Session objectives  
V. Delgado
- 16:49 ➤ Rotational CT - an imaging "one-stop shop"  
P. Thériault-Lauzier
- 16:56 ➤ Time to React@PCR
- 17:02 ➤ Intracardiac echocardiography: pros and cons  
L. Sondergaard
- 17:09 ➤ Time to React@PCR
- 17:15 ➤ Transnasal echocardiography: pros and cons  
M. Monaghan
- 17:22 ➤ Time to React@PCR
- 17:28 ➤ Fusion imaging: current and future possibilities  
J. Zamorano
- 17:35 ➤ Time to React@PCR
- 17:41 ➤ Session evaluation and key learnings  
N. Van Mieghem

**React@PCR**

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**16:50 - 17:35**  
**ROOM 5 - LEVEL 2**

Focus Innovation

PCR  
Innovators day

**Keynote lecture and round table discussion**

**Panellists:** L. Biegelsen, G. Fontana, K.H. Kuck, S. Levin, A. Schmitz, M. Thomas  
**Moderator:** D. Cassak

- 16:50 ➤ Introduction  
D. Cassak
- 16:53 ➤ The value of innovation: perspectives from the worldwide financial markets  
L. Biegelsen
- 17:10 ➤ Who (if anyone) will win in mitral valves? Lessons learnt from the TAVI success story  
L. Biegelsen, G. Fontana, K.H. Kuck, S. Levin, A. Schmitz, M. Thomas

- 17:00 -

**17:35 - 17:45**  
**ROOM 5 - LEVEL 2**

PCR  
Innovators day

17:35

**Concluding remarks**

**Panellists:** L. Biegelsen, G. Fontana, K.H. Kuck, S. Levin, A. Schmitz, M. Thomas

- Concluding remarks  
N. Piazza

- 18:00 -

**18:00 - 19:40**  
**MAIN ARENA - LEVEL 1**

Tools and Techniques



**TAVI in 2016: the year the treatment of aortic stenosis was transformed**

*Sponsored by Edwards Lifesciences*

**Chairpersons:** G. Gerosa, S. Windecker

**Panellists:** V. Falk, M. Gilard, J. Reinöhl

**Operators:** J. Hancock, B. Prendergast, S. Redwood

**Attend this session if you want:**

- To learn from the latest evidence in the field of TAVI
- To understand which patient populations would either benefit from surgical aortic valve replacement or TAVI
- To learn how the TAVI procedure can be further streamlined with new generation delivery systems and valves

- 18:00 ➤ Session objectives  
G. Gerosa
- 18:02 ➤ TAVI in 2016: what is the data that justifies transformational change?  
M. Gilard
- 18:12 ➤ Time to React@PCR
- 18:17 ➤ When should surgical aortic valve replacement still be considered in intermediate risk patients?  
V. Falk
- 18:27 **Recorded case from St. Thomas' Hospital - London, United Kingdom**  
S. Windecker
- 18:43 ➤ Time to React@PCR
- 18:48 **LIVE demonstration from St. Thomas' Hospital - London, United Kingdom**
- 19:08 ➤ Time to React@PCR
- 19:13 ➤ Optimising the in-hospital patient pathway  
J. Reinöhl
- 19:23 ➤ Time to React@PCR
- 19:28 ➤ Optimising TAVI through technological innovation  
S. Windecker
- 19:38 ➤ Session evaluation and key learnings  
S. Windecker

**React@PCR**

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- 08:00 -

**08:30 - 08:45** ■ **Welcome**  
MAIN ARENA - LEVEL 1  
Ceremony

**Chairpersons:** J. Fajadet, S. Windecker  
**Panellists:** M. Chen, M. Haude, N. Piazza, B. Prendergast, S. Saito, C. Tamburino

- 08:30 ▶ Introduction to PCR London Valves  
B. Prendergast
- 08:37 ▶ PCR Family  
W. Wijns

**08:45 - 09:30** ■ **LIVE demonstration: TAVI using new adjunctive technologies**  
MAIN ARENA - LEVEL 1



**Chairpersons:** J. Fajadet, S. Windecker  
**Panellists:** M. Chen, M. Haude, N. Piazza, B. Prendergast, S. Saito, C. Tamburino  
**Operators:** N. Dumonteil, D. Tchétché

- 08:45 ▶ Overview of the tools to be used during the LIVE demonstration  
C. Tamburino
- 08:50 LIVE demonstration from Clinique Pasteur - Toulouse, France**
- 09:20 ▶ Time to React@PCR

**React@PCR**  
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- 09:00 -

**09:30 - 10:00** ■ **Spotlight session: bioprosthetic valve durability**  
MAIN ARENA - LEVEL 1  
Plenary

**Chairpersons:** B. Prendergast, S. Windecker  
**Panellists:** M. Chen, J. Fajadet, M. Haude, N. Piazza, S. Saito, C. Tamburino

**Attend this session if you want:**

- ▶ To learn more about the latest data from randomised controlled trials and registries concerning the durability of bioprosthetic valves
- ▶ To fully understand the important statistical considerations when interpreting long term outcome data in current TAVI recipients
- ▶ To appreciate the important difference between clinical and device-related endpoints and the need for a standardised definition of bioprosthetic valve durability and failure

- 09:30 ▶ Session objectives  
B. Prendergast
- 09:33 ▶ Clinically relevant definitions of bioprosthetic valve durability and failure - lessons from the surgical experience  
H. Treede
- 09:39 ▶ Durability of TAVI bioprostheses - data from the randomised trials and registries  
H. Eltchaninoff
- 09:45 ▶ The pitfalls of long term survival analysis - implications for the regulators and future studies  
D. Capodanno
- 09:51 ▶ Time to React@PCR
- 09:57 ▶ Session evaluation and key learnings  
S. Windecker

**React@PCR**  
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**09:30 - 10:30 ■ Long-term outcomes after TAVI**

ROOM 2 - LEVEL 1

Plenary

**Chairpersons:** R. Kornowski, H. Moellmann  
**Panellists:** F. Nietlispach, P. Pibarot, T. Walther, A. Witkowski

**Attend this session if you want:**

- To fully understand the mechanisms of transcatheter valve failure and comparisons with surgical bioprostheses
- To know more about current thinking concerning the phenomenon of TAVI leaflet thickening and subclinical thrombosis
- To identify ways in which TAVI may emerge as long-term treatment strategy in younger, low-risk patients

- 09:30 ➤ Session objectives  
H. Moellmann
- 09:33 ➤ How and why might transcatheter valves fail?  
M. Gilard
- 09:40 ➤ Time to React@PCR
- 09:44 ➤ TAVI durability and comparisons with surgery  
C. Young
- 09:51 ➤ Time to React@PCR
- 09:55 ➤ TAVI leaflet thickening and subclinical thrombosis: keep calm and carry on imaging  
R. Makkar
- 10:02 ➤ Time to React@PCR
- 10:06 ➤ Infective endocarditis following TAVI - incidence and outcomes  
A. Latib
- 10:13 ➤ Time to React@PCR
- 10:17 ➤ TAV in TAV - current reality and future feasibility  
A. Colombo
- 10:24 ➤ Time to React@PCR
- 10:28 ➤ Session evaluation and key learnings  
R. Kornowski

**React@PCR**

Post your instant messages to the Chairpersons directly from your smartphone!

**09:30 - 10:30 ■ Mitral and tricuspid valve interventions**

ROOM 4 - LEVEL 1

Abstracts

Session comprising selected PCR London Valves 2016 abstract submissions

**Chairpersons:** C. Grasso, C. Hammerstingl  
**Panellists:** M. Buch, G. Yucel

- 09:30 ➤ Lond16A-OP90 - Feasibility and efficacy of intracardiac echocardiography for percutaneous mitral valve edge-to-edge repair using the MitraClip system  
U. Schäfer
- 09:37 ➤ Discussion and audience interaction
- 09:42 ➤ Lond16A-OP87 - Mismatch between clinical benefit and functional capacity assessed by cardiopulmonary exercise test in MitraClip patients  
G. Salerno
- 09:49 ➤ Discussion and audience interaction
- 09:54 ➤ Lond16A-OP13 - One-year follow-up results of mitral valve transcatheter annuloplasty system for mitral reconstruction multicentre trial  
R.S. Von Bardeleben
- 10:01 ➤ Discussion and audience interaction
- 10:06 ➤ Lond16A-OP29 - Mitral annulus calcification score on CT can identify patients with increased risk of persistent mitral regurgitation post-TAVI  
S. Setiawan
- 10:13 ➤ Discussion and audience interaction
- 10:18 ➤ Lond16A-OP41 - Transcatheter treatment of severe tricuspid regurgitation using the MitraClip system  
J. Hausleiter
- 10:25 ➤ Discussion and audience interaction

**09:30 - 10:30 ■ Learning transseptal: the true minimal invasive access?**

ROOM 3 - LEVEL 1



**Facilitators:** F. Praz, A. Vahanian  
**Expert Panellist:** E. Brochet  
**Media Driver:** H. McConkey

**Attend this session if you want:**

- To identify which patient is suitable for a transseptal approach to valve intervention
- To learn how to perform transseptal puncture safely
- To fully understand the principles of a step-by-step procedure



# 09:30 - 10:30 ■ TAVI

## INTERACTIVE CASE CORNER - LEVEL 1

### Cases

- 09:30 ▶ Lond16C-ICC003 - Feasibility of simultaneous rotational atherectomy and balloon aortic valvuloplasty  
*C.W. Lee*
- 09:37 ▶ Lond16C-ICC006 - Aortic balloon valvuloplasty: a bridge to TAVI in multivalvular heart disease patients  
*G. Ghanem*
- 09:44 ▶ Lond16C-ICC008 - TAVI in aortic stenosis with severe hypercapnia assisted with femorofemoral cardiopulmonary bypass to facilitate gas exchange  
*J. Quintanilla*
- 09:51 ▶ Lond16C-ICC016 - Left main - left anterior descending PCI and TAVI in cardiogenic shock  
*D. Tsikaderis*
- 09:58 ▶ Lond16C-ICC031 - All-in-one procedure  
*P. Cervinka*
- 10:06 ▶ Lond16C-ICC064 - Transfemoral aortic valve replacement in a patient with ascending aortic dilatation and horizontal aortic root  
*T. Xiong*
- 10:14 ▶ Lond16C-ICC046 - Minimalist TAVI with balloon expandable valve in severe bicuspid aortic stenosis with difficult anatomy using intracardiac echo guidance  
*C. Undemir*
- 10:22 ▶ Lond16C-ICC047 - The ultimate minimalist TAVI: transfemoral, fluoro-guided, conscious sedation, zero contrast  
*R. Kaple*

Session comprising selected PCR London Valves 2016 clinical case submissions

**Facilitators: J. Byrne, F. Castriota**

# 09:30 - 10:30 ■ TAVI complications

## ROOM 5 - LEVEL 2

### Cases

- 09:30 ▶ Lond16C-ICC034 - TAVI in an extremely large and calcified bicuspid aortic valve: a tale of two valves  
*R. Kaple*
- 09:38 ▶ Lond16C-ICC152 - Right coronary occlusion post TAVI treated by PCI  
*A.K. Chaurasia*
- 09:46 ▶ Lond16C-ICC158 - A devastating valve-in-valve complication: we did not expect coronary obstruction with that transcatheter heart valve  
*D. Dvir*
- 09:54 ▶ Lond16C-ICC145 - Acute exacerbation of mitral stenosis after transcatheter aortic valve replacement  
*Y. Fuku*
- 10:03 ▶ Lond16C-ICC160 - Left-to-right shunt post-TAVI  
*V. Sullivan*
- 10:12 ▶ Lond16C-ICC162 - Double valve-in-valve leading to double complication  
*D. Dvir*

Session comprising selected PCR London Valves 2016 clinical case submissions

**Facilitators: A. Cribier, H.L. Kao**

## - 10:00 -

# 10:00 - 10:30 ■ Keynote lecture

## MAIN ARENA - LEVEL 1

### Keynote lecture

**Chairperson: S. Windecker**

**Panellists: M. Chen, J. Fajadet, M. Haude, N. Piazza, S. Saito, C. Tamburino**

- 10:00 ▶ Introduction  
*C. Tamburino*
- 10:02 ▶ The tricuspid valve - forgotten and neglected (until now)  
*S. Bolling*
- 10:28 ▶ Note of thanks  
*N. Piazza*



# - 11:00 -

**11:00 - 11:45**  
MAIN ARENA -  
LEVEL 1  
Plenary

## Moving TAVI to lower-risk populations

**Chairpersons:** D. Mylotte, O. Wendler  
**Panellists:** S. Ajay, J. Byrne, A. Colombo, A. Cribier, R. Lange, M.B. Leon

### Attend this session if you want:

- To understand which younger low-risk patient may benefit from TAVI
- To learn how case selection for TAVI will change in a lower-risk patient group
- To appreciate the unmet needs of TAVI in younger patients

- 11:00 ➤ Session objectives  
O. Wendler
- 11:05 ➤ High-risk and low-risk patients - what are the real differences?  
L. Sondergaard
- 11:10 ➤ Time to React@PCR
- 11:14 ➤ The limitations of surgery in low-risk patients - an interventionist's perspective  
S. Windecker
- 11:19 ➤ Time to React@PCR
- 11:23 ➤ The limitations of TAVI in low-risk patients - a surgeon's perspective  
N. Moat
- 11:28 ➤ Time to React@PCR
- 11:32 ➤ Should the perspective of the Heart Team now change?  
O. Wendler
- 11:37 ➤ Time to React@PCR
- 11:41 ➤ Session evaluation and key learnings  
D. Mylotte

### React@PCR

Post your instant messages to the Chairpersons directly from your smartphone!

**11:00 - 12:30**  
ROOM 2 - LEVEL  
1

Focus  
Innovation  
Plenary

## Rapid fire: innovations in percutaneous mitral intervention

**Chairpersons:** I. Meredith, C. Tamburino  
**Panellists:** M. Buch, P. Denti, H. Ince, C.K. Naber

### Attend this session if you want:

- To fully understand the anatomical and technical challenges associated with percutaneous mitral intervention
- To hear the latest outcome data concerning cutting edge technologies with first-in-man experience
- To identify the limitations of currently available devices

- 11:00 ➤ Session objectives  
C. Tamburino
- 11:03 ➤ What are the anatomical and technical challenges in percutaneous mitral intervention?  
E. Grube

### Percutaneous mitral valve repair

- 11:09 ➤ Millipede technology
- 11:14 ➤ Time to React@PCR
- 11:18 ➤ Leaflet puncture technique for mitral repair
- 11:23 ➤ Time to React@PCR
- 11:27 ➤ The MVRx ARTO system  
D. Hildick-Smith

### Percutaneous mitral valve replacement

- 11:32 ➤ Time to React@PCR
- 11:36 ➤ Medtronic Intrepid TMVR  
I. Meredith
- 11:41 ➤ Time to React@PCR
- 11:45 ➤ HighLife  
C. Tamburino
- 11:50 ➤ Time to React@PCR
- 11:54 ➤ Tendyne Abbott  
R.S. Farivar
- 11:59 ➤ Time to React@PCR
- 12:03 ➤ Neovasc Tiara  
A. Cheung
- 12:08 ➤ Time to React@PCR
- 12:12 ➤ CardiAQ-Edwards TMVR  
L. Sondergaard
- 12:17 ➤ Time to React@PCR
- 12:21 ➤ What does the future hold?  
T. Feldman
- 12:27 ➤ Session evaluation and key learnings  
I. Meredith

### React@PCR

Post your instant messages to the Chairpersons directly from your smartphone!

11:00 - 12:30  
ROOM 3 - LEVEL  
1



## Learning mitral valve-in-valve, valve-in-ring and MAC: "old" techniques, new indications

**Facilitators:** V. Bapat, V. Delgado  
**Expert Panellist:** N. Piazza  
**Media Driver:** J. Joseph

### Attend this session if you want:

- To fully understand the key factors determining patient and procedural selection
- To learn the principles of device selection and sizing for each technique
- To appreciate the importance of multimodality imaging in minimising LVOT obstruction

11:00 - 12:30  
ROOM 4 - LEVEL  
1

Cases

## International forum: UK and Germany share their most educational cases

*Session comprising selected PCR London Valves 2016 clinical case submissions*

**Chairpersons:** D. Blackman, M. Haude  
**Panellists:** P. MacCarthy, M. Monaghan, J. Schofer, R.S. Von Bardeleben

- 11:00 ➤ Lond16C-OP028 - Successful concomitant transcatheter valve implantation and alcohol septal ablation in a patient with symptomatic aortic valve stenosis and hypertrophic cardiomyopathy  
*V. Rudolph*
- 11:08 ➤ Discussion and audience interaction
- 11:15 ➤ Lond16C-OP159 - Percutaneous pulmonary valve implantation in an orthotopic heart transplant recipient  
*P. Lim*
- 11:23 ➤ Discussion and audience interaction
- 11:30 ➤ Lond16C-OP057 - Emergency paravalvular leak closure for aortic regurgitation following implantation of "new-generation" self-expandable transcatheter aortic valve prosthesis  
*M. VASA-NICOTERA*
- 11:38 ➤ Discussion and audience interaction
- 11:45 ➤ Lond16C-OP078 - An interesting complication following implantation of a transcatheter valve in mitral annular calcification with a creative improvised surgical solution  
*M. Ghosh-Dastidar*
- 11:53 ➤ Discussion and audience interaction
- 12:00 ➤ Lond16C-OP138 - Percutaneous edge-to-edge tricuspid valve repair for treatment of severe regurgitation  
*E.W. Holy*
- 12:08 ➤ Discussion and audience interaction
- 12:15 ➤ Lond16C-OP148 - Coronary occlusion during TAVI: triumphs and disasters  
*S. Dawkins*
- 12:23 ➤ Discussion and audience interaction

11:00 - 12:30  
INTERACTIVE  
CASE CORNER -  
LEVEL 1

Cases

- 11:00 ➤ Lond16C-ICC117 - TAVI as redo therapy after initial surgery for aortic dissection  
*G. Dahle*
- 11:09 ➤ Lond16C-ICC074 - The vulnerable neighbour: recover from severe mitral regurgitation caused by TAVI  
*Y. Li*
- 11:18 ➤ Lond16C-ICC075 - Old female with severe aortic stenosis and significant anemia  
*R. García-Borbolla Fernández*
- 11:27 ➤ Lond16C-ICC094 - Balloon expandable TAVI in a patient with previous mitral valve replacement  
*A. Higashimori*
- 11:36 ➤ Lond16C-ICC068 - Benefit of TAVI with a recapturable and repositionable bioprosthesis in a patient with oval-shaped aortic annulus  
*J. Valle Raleigh*
- 11:45 ➤ Lond16C-ICC121 - Percutaneous valve implantation in a congenital heart with degenerated homograft in both aortic and pulmonic position  
*J. Kefer*
- 11:54 ➤ Lond16C-ICC135 - Contrast-induced nephropathy is not the only cause of acute kidney injury after TAVI!  
*A. Allali*
- 12:03 ➤ Lond16C-ICC029 - Insights into frailty assessment: TAVI in a 100-year-old patient  
*G. Latsios*
- 12:12 ➤ Lond16C-ICC125 - Prediction and evaluation of TAVI with patient-specific computer simulation: a case example  
*N. El Faquir*
- 12:21 ➤ Lond16C-ICC128 - Valve-in-valve: determination of sizing while performing the case  
*A. Merino Rajme*

**TAVI**  
*Session comprising selected PCR London Valves 2016 clinical case submissions*

**Facilitators:** H. Degen, A. Pichard

**11:00 - 12:30 ■ TAVI valve in valve**

ROOM 5 - LEVEL 2

*Session comprising selected PCR London Valves 2016 clinical case submissions*

**Facilitators: F. Castriota, D. Dvir**

Cases

- 11:00 ▶ Lond16C-ICC011 - Successful sheathless implantation of a transfemoral valve-in-valve transcatheter aortic valve replacement for failed bioprosthetic valve  
*R. Anantharaman*
- 11:09 ▶ Lond16C-ICC060 - Combined structural heart disease interventions in a failed bioprosthesis: the Janus procedure  
*N. Amabile*
- 11:18 ▶ Lond16C-ICC062 - Valve-in-valve: unplugged  
*H. McConkey*
- 11:27 ▶ Lond16C-ICC164 - Perfect is the enemy of good: challenges while trying to optimise haemodynamics of aortic valve-in-valve  
*D. Dvir*
- 11:36 ▶ Lond16C-ICC140 - A dislodged sutureless aortic valve  
*A. Cassar*
- 11:45 ▶ Lond16C-ICC141 - Transfemoral aortic valve-in-valve implantation using a balloon-expandable transcatheter valve for failed surgical stentless bioprosthesis  
*S. Mauri*
- 11:54 ▶ Lond16C-ICC156 - Valve-in-valve challenges: we should not rely on the central marker!  
*D. Dvir*
- 12:03 ▶ Lond16C-ICC119 - Concomitant transapical TAVI and catheter valve in mitral annular calcification  
*G. Dahle*
- 12:12 ▶ Lond16C-ICC157 - Challenging valve-in-valve TAVI using a fully repositionable mechanically expanding prosthesis  
*M. El-Mawardi*
- 12:21 ▶ Lond16C-ICC103 - TAVI: valve-in-valve in degenerate aortic homograft root replacement using a direct flow medical device  
*A. Duncan*

**React@PCR**

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**11:45 - 12:30 ■ LIVE demonstration: Making TAVI simple in lower-risk patients**

MAIN ARENA - LEVEL 1



**Chairpersons: D. Mylotte, O. Wendler**  
**Panellists: S. Ajay, J. Byrne, A. Colombo, A. Cribier, R. Lange, M.B. Leon**  
**Operators: J. Hancock, B. Prendergast, S. Redwood**

- 11:45 ▶ Overview of the tools to be used during the LIVE demonstration  
*J. Byrne*
- 11:50 **LIVE demonstration from St. Thomas' Hospital - London, United Kingdom**
- 12:20 ▶ Time to React@PCR

- 13:00 -

**13:00 - 14:40**  
MAIN ARENA -  
LEVEL 1

Tools and  
Techniques



## Practical considerations and procedural efficiency in intermediate-risk patients

*Sponsored by Medtronic*

**Chairpersons:** *S.J.D. Brecker, C. Tamburino*

**Panellists:** *M. Abdel-Wahab, J.J. Popma, N. Van Mieghem*

**Operators:** *N. Dumonteil, D. Tchétché*

### Attend this session if you want:

- To explore different approaches in treating intermediate risk patients
- To learn from the experience of large centres on how to successfully optimise TAVI procedure
- To learn how to customise your strategy to each TAVI patient, and discover design features and indication of Evolut R 34mm to treat large anatomies

13:00 ➤ Session objectives  
*S.J.D. Brecker*

**13:05 LIVE demonstration from Clinique Pasteur - Toulouse, France**

13:45 ➤ Time to React@PCR

13:50 ➤ A different approach into procedural risk management with intermediate risk patients  
*N. Van Mieghem*

14:00 ➤ Time to React@PCR

14:05 ➤ Practical recommendation to optimise TAVI: experience from a high volume centre  
*M. Abdel-Wahab*

14:15 ➤ Time to React@PCR

14:20 ➤ Tailoring your approach to optimise outcomes for lower risk patients - including a highlight on the new Evolut R 34mm for large annuli  
*J.J. Popma*

14:30 ➤ Time to React@PCR

14:35 ➤ Session evaluation and key learnings  
*C. Tamburino*

### React@PCR

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**13:00 - 13:45**  
ROOM 2 - LEVEL  
1

Symposium



## The Lotus Valve: simplifying real-world practice

*Sponsored by Boston Scientific*

**Chairpersons:** *T. Feldman, L. Sondergaard*

**Panellists:** *D. Blackman, M. Götzberg, T. Modine, J. Wöhrle*

### Attend this session if you want:

- To understand the current evidence and latest clinical data
- To learn how paravalvular leak can be minimised despite anatomical complexities
- To recognise how Lotus Edge can advance practice in key patient subsets

13:00 ➤ Session objectives  
*L. Sondergaard*

13:03 ➤ The latest clinical evidence  
*D. Blackman*

13:11 ➤ Discussion and audience interaction

13:16 ➤ Why Lotus is my workhorse valve  
*J. Wöhrle*

13:24 ➤ Discussion and audience interaction

13:29 ➤ Lotus Edge: advancing clinical practice  
*M. Götzberg*

13:37 ➤ Discussion and audience interaction

13:42 ➤ Session evaluation and key learnings  
*T. Feldman*

**13:00 - 14:40**  
ROOM 3 - LEVEL 1

Tools and  
Techniques



## Applications, indications and outcomes of transcatheter mitral annuloplasty

*Sponsored by Cardiac Dimensions*

**Chairpersons:** *I. Meredith, H. Sievert*  
**Panellists:** *M. Haude, R.S. Von Bardeleben, K. Witte*

### Attend this session if you want:

- To learn about the multiple applications of transcatheter mitral annuloplasty
- To learn a systematic approach to the selection of appropriate candidates
- To observe demographic analysis of the first randomised, blinded trial in the field of functional mitral regurgitation

13:00 ➤ Session objectives  
*I. Meredith*

**13:05 Recorded case from Städtische Kliniken Neuss, Lukaskrankenhaus - Neuss, Germany**  
*M. Haude*

13:25 ➤ Discussion and audience interaction  
13:31 ➤ When to intervene with transcatheter annuloplasty in a functional mitral regurgitation population  
*K. Witte*

13:43 ➤ Discussion and audience interaction

**13:49 Recorded case from Universitätsmedizin Mainz University - Mainz, Germany**  
*R.S. Von Bardeleben*

14:09 ➤ A multimodal approach to the treatment of functional mitral regurgitation  
*R.S. Von Bardeleben*

14:17 ➤ Discussion and audience interaction

14:23 ➤ The landmark REDUCE FMR trial: first randomised, blinded evaluation of transcatheter annuloplasty in functional mitral regurgitation  
*M. Haude*

14:31 ➤ Discussion and audience interaction

14:37 ➤ Session evaluation and key learnings  
*H. Sievert*

**13:00 - 13:45**  
ROOM 4 - LEVEL 1

Symposium



## MitraClip NT: the next frontier

*Sponsored by Abbott*

**Chairpersons:** *F. Maisano, A. Vahanian*  
**Panellists:** *J. Van Der Heyden, R.S. Von Bardeleben*

### Attend this session if you want:

- To learn about the new developments and data in mitral interventions
- To learn how MitraClip NT can help to expand the potential patient population and reduce procedural time
- To learn tips and tricks on treating complex anatomy with MitraClip NT

13:00 ➤ Session objectives  
*A. Vahanian*

13:05 ➤ What is the future in mitral regurgitation interventions?  
*F. Maisano*

13:13 ➤ How far can you go with MitraClip NT?

13:13 ➤ Case 1  
*R.S. Von Bardeleben*

13:18 ➤ Discussion and audience interaction

13:22 ➤ Case 2  
*J. Van Der Heyden*

13:27 ➤ Discussion and audience interaction

13:31 ➤ Case 3  
*F. Maisano*

13:36 ➤ Discussion and audience interaction

13:40 ➤ Session evaluation and key learnings  
*F. Maisano*

**13:55 - 14:40**  
ROOM 2 - LEVEL 1

Case in Point



## Portico - when expertise meets simplicity: key learnings

Sponsored by St. Jude Medical

**Chairpersons:** G. Fontana, H. Moellmann  
**Panellists:** A. Linke, R. Makkar, F. Nietlispach

### Attend this session if you want:

- To learn about the latest worldwide developments with the St. Jude Medical Portico valve
- To learn on Portico the first to innovate with fully recapturable valve
- To review and discuss a selection of complex TAVI cases and how Portico helped in solving them

- |       |   |
|-------|---|
| 13:55 | ➤ Session objectives<br>H. Moellmann  |
| 13:58 | ➤ Advancing the science and evidence-based medicine of heart valves: Portico clinical programme update<br>L. Sondergaard                  |
| 14:03 | ➤ Time to React@PCR   |
| 14:11 | ➤ Solopath: the use of the Solopath re-collapsible sheath for challenging femoral access with the Portico transcatheter valve<br>A. Linke |
| 14:16 | ➤ Time to React@PCR   |
| 14:24 | ➤ Why is Portico the valve of choice for these types of indications?<br>F. Nietlispach  |
| 14:29 | ➤ Time to React@PCR   |
| 14:37 | ➤ Session evaluation and key learnings<br>G. Fontana  |

### React@PCR

Post your instant messages to the Chairpersons directly from your smartphone!

**13:55 - 14:40**  
ROOM 4 - LEVEL 1

Symposium



## Symetis TAVI: latest results and future clinical outlooks

Sponsored by Symetis

**Chairpersons:** W.K. Kim, S. Windecker

### Attend this session if you want:

- To be informed about the latest results from the SAVI TF registry (30-day and one-year data)
- To learn on the device performance of the ACURATE neo in patients with small annuli (subanalysis of SAVI TF)
- To appreciate patient population changes with more intermediate- and low-risk patients treated (NOTION I and II)

- |       |   |
|-------|---|
| 13:55 | ➤ Session objectives<br>S. Windecker  |
| 14:00 | ➤ ACURATE neo technology and clinical update (SAVI TF data at 30 days and one year)<br>W.K. Kim |
| 14:12 | ➤ Discussion and audience interaction   |
| 14:15 | ➤ SAVI TF subanalysis: device performance in small annuli<br>T. Rudolph                         |
| 14:22 | ➤ Discussion and audience interaction   |
| 14:25 | ➤ Optimising outcomes and shift to new patient populations<br>L. Sondergaard                    |
| 14:32 | ➤ Discussion and audience interaction   |
| 14:35 | ➤ Session evaluation and key learnings<br>T. Walther  |

**- 14:00 -**

**14:45 - 15:30**  
MAIN ARENA - LEVEL 1



## LIVE demonstration: Mitral valve-in-ring implantation via transapical approach

**Chairpersons:** M. Haude, K.K. Yeo  
**Panellists:** J.J. Bax, V. Falk, T. Feldman, I. Meredith, G. Nickenig, H. Treede  
**Operators:** V. Bapat, J. Hancock, B. Prendergast, S. Redwood

- |       |   |
|-------|---|
| 14:45 | ➤ Overview of the tools to be used during the LIVE demonstration<br>I. Meredith |
| 14:50 | <b>LIVE demonstration from St. Thomas' Hospital - London, United Kingdom</b>    |
| 15:20 | ➤ Time to React@PCR   |

### React@PCR

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# 14:45 - 16:15 ROOM 2 - LEVEL 1



## All you need to know about the tricuspid valve

**Chairpersons:** R. Lange, P. Pibarot  
**Panellists:** S. Bolling, A. Latib, M. Monaghan, J. Schofer

### Attend this session if you want:

- To improve your understanding of the anatomy and pathophysiology of the tricuspid valve
- To learn how to evaluate the mechanism and severity of tricuspid regurgitation using multimodality imaging
- To appreciate the current status of tricuspid valve surgery and alternative percutaneous treatment options

- 14:45 ➤ Session objectives  
P. Pibarot
- 14:50 ➤ Tricuspid valve anatomy and pathophysiology - what do interventional cardiologists and surgeons need to know?  
O. Wendler
- 14:58 ➤ Time to React@PCR
- 15:06 ➤ Current recommendations for the treatment of secondary tricuspid regurgitation  
A. Vahanian
- 15:14 ➤ Time to React@PCR
- 15:22 ➤ Multimodality imaging of the tricuspid valve and right ventricle before surgery and percutaneous intervention  
R. Hahn
- 15:30 ➤ Time to React@PCR
- 15:38 ➤ Surgery in secondary tricuspid regurgitation - surgical techniques and their limitations  
T. Modine
- 15:46 ➤ Time to React@PCR
- 15:54 ➤ Percutaneous alternatives - current options and future prospects  
F. Maisano
- 16:02 ➤ Time to React@PCR
- 16:10 ➤ Session evaluation and key learnings  
R. Lange

### React@PCR

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# 14:45 - 16:15 ROOM 3 - LEVEL 1



## Learning MitraClip: how to succeed?

**Facilitators:** E. Brochet, H. Ince  
**Expert Panellist:** C. Hammerstingl  
**Media Driver:** H. McConkey

### Attend this session if you want:

- To fully understand the range of mitral valve anatomy suitable for a percutaneous mitral "edge-to-edge" repair procedure
- To learn the key tips and tricks for a successful outcome
- To appreciate how to avoid and manage potential complications of the procedure

# 14:45 - 16:15 ROOM 4 - LEVEL 1

Cases

*Session comprising selected PCR London Valves 2016 clinical case submissions*

**Chairpersons:** S. Berti, M.B. Leon  
**Panellists:** F. Bedogni, G. Esposito, S. Lim, A. Marchese

- 14:45 ➤ Lond16C-OP013 - MitraClip and tricuspid regurgitation: different new approaches for a "classic" device  
P. Denti
- 14:53 ➤ Discussion and audience interaction
- 15:00 ➤ Lond16C-OP153 - MitraClip therapy: an alternative treatment for haemolytic anemia induced by mitral para-annuloplasty ring leak  
Z. Wang
- 15:08 ➤ Discussion and audience interaction
- 15:15 ➤ Lond16C-OP035 - When a wire trips your valve: a shocking nightmare in the cathlab  
M. D'Amico
- 15:23 ➤ Discussion and audience interaction
- 15:30 ➤ Lond16C-OP044 - Leaflet overhang as possible mechanism of late structural failure of first-generation balloon expandable transcatheter heart valve treated with valve-in-valve with latest generation balloon expandable valve  
G. Tang
- 15:38 ➤ Discussion and audience interaction
- 15:45 ➤ Lond16C-OP097 - A new indication for another self-expanding TAVI prosthesis  
P. Pagnotta
- 15:53 ➤ Discussion and audience interaction
- 16:00 ➤ Lond16C-OP143 - Imaging in percutaneous tricuspid leaflet repair  
S. Gafoor
- 16:08 ➤ Discussion and audience interaction



**14:45 - 15:30 ■ TAVI complications****INTERACTIVE  
CASE CORNER -  
LEVEL 1***Session comprising selected PCR London Valves  
2016 clinical case submissions***Facilitators: F. Hellig, D. Hildick-Smith**

Cases

- 14:45 > Lond16C-ICC009 - Pericardial effusion after transfemoral TAVI with lethal outcome  
*W.K. Kim*
- 14:52 > Lond16C-ICC032 - Successful treatment of aortic rupture after TAVI with stent graft  
*P. Cervinka*
- 14:59 > Lond16C-ICC037 - Three self-expandable prosthesis  
*M.C. Ferrer-Gracia*
- 15:07 > Lond16C-ICC039 - Is it really feasible or safe? Transcatheter retraction of migrated prosthesis into left ventricular outflow tract during TAVI  
*D. Hachinohe*
- 15:15 > Lond16C-ICC040 - What is this new jet? Acquired aorto right ventricular fistula after balloon expandable TAVI  
*C. Undemir*
- 15:23 > Lond16C-ICC052 - Double pop out after valve-in-valve implantation  
*G. Sardella*

**14:45 - 15:30 ■ Why is the mitral valve so different to the aortic?****ROOM 5 - LEVEL  
2**Focus Nurses  
and Allied  
Professionals

Plenary

**Chairpersons: M. Gilard, K. Wilson****Attend this session if you want:**

- > To improve your knowledge of the anatomy and physiology of the mitral valve
  - > To better understand how to diagnose mitral valve disease and identify triggers for intervention
  - > To appreciate the different surgical and percutaneous approaches that can be used for the treatment of mitral valve disease
- 14:45 > Session objectives  
*K. Wilson*
  - 14:48 > Anatomy and physiology of the normal mitral valve  
*P. Almeida*
  - 14:54 > Discussion and audience interaction
  - 14:58 > The spectrum of mitral valve disease - symptoms and diagnosis  
*D. Sparv*
  - 15:04 > Discussion and audience interaction
  - 15:08 > Assessing severity and when to intervene  
*K. Victor*
  - 15:14 > Discussion and audience interaction
  - 15:18 > Surgical and percutaneous treatment options  
*M. Buch*
  - 15:24 > Discussion and audience interaction
  - 15:28 > Session evaluation and key learnings  
*M. Gilard*

**- 15:00 -****15:30 - 16:15 ■ MAIN ARENA -  
LEVEL 1**

Plenary

**Mitral valve anatomy: implications for percutaneous interventions****Chairpersons: M. Haude, K.K. Yeo****Panellists: J.J. Bax, V. Falk, T. Feldman, I. Meredith, G. Nickenig, H. Treede****Attend this session if you want:**

- > To fully understand normal mitral valve anatomy and physiology
  - > To appreciate the pathophysiology of mitral regurgitation and different degrees of anatomical involvement
  - > To identify the anatomical boundaries guiding different interventional treatments
- 15:30 > Session objectives  
*M. Haude*
  - 15:33 > Mitral valve anatomy and pathophysiology: determinants of correct treatment selection  
*V. Delgado*
  - 15:38 > Time to React@PCR
  - 15:43 > Anatomical challenges for percutaneous mitral edge-to-edge repair  
*C. Grasso*
  - 15:48 > Time to React@PCR
  - 15:53 > Anatomical challenges for percutaneous mitral annuloplasty  
*R.S. Von Bardeleben*
  - 15:58 > Time to React@PCR
  - 16:03 > Anatomical challenges for percutaneous mitral valve replacement  
*K.K. Yeo*
  - 16:08 > Time to React@PCR
  - 16:13 > Session evaluation and key learnings  
*K.K. Yeo*

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**15:30 - 16:15 ■ TAVI complications****INTERACTIVE  
CASE CORNER -  
LEVEL 1**

Session comprising selected PCR London Valves  
2016 clinical case submissions

**Facilitators: D. Himbert, M.K.Y. Lee**

**Cases**

- 15:30 ▶ Lond16C-ICC054 - Distal left anterior descending artery occlusion and ostial left main stenosis during transapical TAVI  
*U. Kaneko*
- 15:37 ▶ Lond16C-ICC067 - Never give up in TAVI  
*L. Biasco*
- 15:44 ▶ Lond16C-ICC072 - Hypoattenuated leaflet thickening combined with right coronary occlusion three years after implantation of self-expandable valve  
*Y.B. Liao*
- 15:51 ▶ Lond16C-ICC079 - TAVI complicated with subannular rupture and pseudoaneurysm fistulised to right atrium  
*V. RUIZ-QUEVEDO*
- 15:59 ▶ Lond16C-ICC084 - Self-limiting intrannular rupture following balloon expandable TAVI implantation  
*C. Trani*
- 16:07 ▶ Lond16C-ICC082 - Hypo-attenuated mass of bioprosthetic aortic valve one week after transcatheter aortic valve replacement in a bicuspid aortic stenosis patient  
*X. Wei*

**15:30 - 16:15 ■ Tricuspid****ROOM 5 - LEVEL  
2**

Session comprising selected PCR London Valves  
2016 clinical case submissions

**Facilitators: A. Lauten, U. Schäfer**

**Cases**

- 15:30 ▶ Lond16C-ICC012 - "MitraTrick" MitraClip in tricuspid position: rationale and bench test  
*P. Denti*
- 15:39 ▶ Lond16C-ICC098 - A tale of three valves  
*Ö. Özden Tok*
- 15:48 ▶ Lond16C-ICC048 - Percutaneous balloon valvuloplasty for bioprosthetic tricuspid valve stenosis: two case reports  
*G. Hiasa*
- 15:57 ▶ Lond16C-ICC076 - Transcatheter treatment of primary tricuspid regurgitation using the MitraClip system  
*D. Braun*
- 16:06 ▶ Lond16C-ICC041 - Transcatheter tricuspid valve repair for functional tricuspid regurgitation  
*R. Hahn*

**- 16:00 -****16:30 - 17:15 ■****MAIN ARENA -  
LEVEL 1****LIVE demonstration: Mitral valve-in-valve implantation via transseptal approach**

**Chairpersons: T. Lefevre, C.K. Naber**

**Panellists: D. Blackman, F. Hellig, R.**

**Kornowski, P. MacCarthy, L.**

**Sondergaard, C. Young**

**Operators: N. Dumonteil, D. Tchétché**

- 16:30 ▶ Overview of the tools to be used during the LIVE demonstration  
*R. Kornowski*

**16:35 LIVE demonstration from Clinique Pasteur - Toulouse, France**

- 17:05 ▶ Time to React@PCR

**React@PCR**

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**16:30 - 17:30 ■****ROOM 2 - LEVEL  
1****Plenary****Stroke and its prevention in the TAVI patient**

**Chairpersons: A. Baumbach, S. Windecker**

**Panellists: J.J. Bax, Ö. Göktekin, J.J.**

**Popma, D. Walters**

**Attend this session if you want:**

- ▶ To understand the mechanisms of stroke during and after TAVI
- ▶ To learn how to select the best procedural strategy for patients at high stroke risk
- ▶ To learn more about medical treatment strategies to minimise stroke risk
- 16:30 ▶ Session objectives  
*A. Baumbach*
- 16:34 ▶ Cerebrovascular complications after valve intervention: incidence and new standardised definitions  
*A. Lansky*
- 16:41 ▶ Time to React@PCR
- 16:47 ▶ How do we identify stroke risk during and after TAVI?  
*A. Linke*
- 16:54 ▶ Time to React@PCR
- 17:00 ▶ Preventing periprocedural stroke using cerebral protection: which patient and which device?  
*H. Eggebrecht*
- 17:07 ▶ Time to React@PCR
- 17:13 ▶ Preventing post-procedural stroke using medical therapy: which patient and which regime?  
*J.P. Collet*
- 17:20 ▶ Time to React@PCR
- 17:26 ▶ Session evaluation and key learnings  
*S. Windecker*

**React@PCR**

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**16:30 - 17:30**

**ROOM 3 - LEVEL**

**1**

Plenary

**Advances in percutaneous mitral valve treatment**

**Chairpersons:** *H. Moellmann, C. Tamburino*

**Panellists:** *P. Boekstegers, V. Delgado, M.B. Leon, T. Modine*

**Attend this session if you want:**

- To fully understand which patients need alternatives to edge-to-edge percutaneous repair
- To appreciate the potential indications and limitations of percutaneous mitral valve annuloplasty and replacement
- To know more about current imaging tools for percutaneous mitral valve annuloplasty and replacement

- 16:30 ➤ Session objectives  
*H. Moellmann*
- 16:34 ➤ Unmet need for surgical and percutaneous treatment of mitral regurgitation  
*A. Vahanian*
- 16:41 ➤ Discussion and audience interaction
- 16:47 ➤ Pre- and periprocedural imaging to enable percutaneous mitral annuloplasty and replacement  
*R.S. Von Bardeleben*
- 16:54 ➤ Discussion and audience interaction
- 17:00 ➤ Transcatheter mitral annuloplasty - lessons we have learnt  
*H. Sievert*
- 17:07 ➤ Discussion and audience interaction
- 17:13 ➤ Transcatheter mitral valve replacement: which patients are suitable?  
*I. Meredith*
- 17:20 ➤ Discussion and audience interaction
- 17:26 ➤ Session evaluation and key learnings  
*C. Tamburino*

**16:30 - 17:30** ■ **TAVI: outcomes with new and established devices**

ROOM 4 - LEVEL 1

Abstracts

Session comprising selected PCR London Valves 2016 abstract submissions

**Chairpersons: F. Castriota, M. Ng**  
**Panellists: S. Saito, G. Yucel**

- 16:30 ▶ Lond16A-OP24 - Two-year outcomes with a fully repositionable and retrievable percutaneous aortic valve in 250 high surgical risk patients: results from the REPRISE II trial extended cohort  
*I. Meredith*
- 16:36 ▶ Discussion and audience interaction
- 16:40 ▶ Lond16I-OP02 - New modular aortic valve prosthesis  
*G. Melnick*
- 16:46 ▶ Discussion and audience interaction
- 16:50 ▶ Lond16I-OP04 - Safety and effectiveness of a novel transfemoral, supra-annular, early functional, retrievable transcatheter aortic valve system: primary results of the Nautilus multicentric study  
*P. Lemos*
- 16:56 ▶ Discussion and audience interaction
- 17:00 ▶ Lond16A-OP40 - One-year outcome of a multicentre clinical study evaluating a novel self-expanding and resheathable transcatheter aortic valve system  
*T. Walther*
- 17:06 ▶ Discussion and audience interaction
- 17:10 ▶ Lond16A-OP33 - First report of one-year outcomes in patients treated with a fully repositionable and retrievable aortic valve in routine clinical practice (RESPOND post-market registry)  
*N. Van Mieghem*
- 17:16 ▶ Discussion and audience interaction
- 17:20 ▶ Novel device: a unique self-expanding TAVI experience  
*U. Schäfer*
- 17:26 ▶ Discussion and audience interaction

**16:30 - 17:30** ■ **TAVI complications**INTERACTIVE  
CASE CORNER -  
LEVEL 1

Session comprising selected PCR London Valves 2016 clinical case submissions

**Facilitators: J. Hon, T. Schmitz**

Cases

- 16:30 ▶ Lond16C-ICC106 - A case where you wish to have a retrievable valve  
*S. Fournier*
- 16:38 ▶ Lond16C-ICC086 - Ventricular dislocation of the low-implanted transcatheter aortic valve in the patient with porcelain aorta and a narrow sinotubular junction  
*J. Bulum*
- 16:46 ▶ Lond16C-ICC091 - Rapid solution for coronary obstruction during CoreValve implant - balloon extraction  
*T. Al-Badawi*
- 16:54 ▶ Lond16C-ICC100 - Transapical transcatheter closure of the left ventricular pseudoaneurysm after aortic valve replacement  
*J. Ito*
- 17:02 ▶ Lond16C-ICC087 - Ascending aorta dissection after right coronary artery PCI and unsuccessful TAVI  
*M. Bunc*
- 17:09 ▶ Lond16C-ICC099 - TAVI: life-threatening complication and out-of-the-box solution  
*N. Chouhan*
- 17:16 ▶ Lond16C-ICC104 - Complication on large annulus TAVI  
*Q. Labarre*
- 17:23 ▶ Lond16C-ICC107 - Valve-in-valve procedure in a patient with delayed transcatheter heart valve migration  
*J. Valle Raleigh*

**16:30 - 17:30**  
ROOM 5 - LEVEL 2

Focus Nurses  
and Allied  
Professionals  
Plenary

## The role of nurses and allied professionals in the management of procedural complications

**Chairpersons:** J. Byrne, K. Wilson  
**Panellists:** M. De Ronde, N. Delahunty, P. Ghandour

### Attend this session if you want:

- To understand how nurses and allied health professionals can make a difference when procedural complications arise
- To improve your knowledge of how to treat common complications during TAVI
- To improve team communication before, during and after procedural complications

- 16:30 ➤ Session objectives  
K. Wilson
- 16:34 ➤ Case 1: aortic rupture during TAVI  
N. Delahunty
- 16:40 ➤ Discussion and audience interaction
- 16:45 ➤ Case 2: be prepared if a vascular complication occurs during TAVI  
M. De Ronde
- 16:53 ➤ Discussion and audience interaction
- 17:00 ➤ Case 3: Coronary obstruction, early recognition and prompt intervention  
P. Ghandour
- 17:06 ➤ Discussion and audience interaction
- 17:13 ➤ How do we learn when complications arise? Human factors and the importance of communication  
M. Bowers
- 17:20 ➤ Discussion and audience interaction
- 17:26 ➤ Session evaluation and key learnings  
J. Byrne

- 17:00 -

**17:15 - 18:00**  
MAIN ARENA - LEVEL 1



## LIVE demonstration: Tricuspid valve-in-valve implantation via minimal surgical access

**Chairpersons:** T. Lefevre, C.K. Naber  
**Panellists:** D. Blackman, F. Hellig, R. Kornowski, P. MacCarthy, L. Sondergaard, C. Young  
**Operators:** V. Bapat, J. Hancock, B. Prendergast, S. Redwood

- 17:15 ➤ Overview of the tools to be used during the LIVE demonstration  
L. Sondergaard
- 17:20 **LIVE demonstration from St. Thomas' Hospital - London, United Kingdom**
- 17:50 ➤ Time to React@PCR

### React@PCR

Post your instant messages to the Chairpersons directly from your smartphone!

**17:30 - 18:30**  
ROOM 4 - LEVEL 1

Cases

## International forum: Spain and Mexico share their most educational cases

Session comprising selected PCR London Valves 2016 clinical case submissions

**Chairpersons:** L. Nombela-Franco, G. Yucel  
**Panellists:** J. Cortes-Lawrenz, G. Eid-Lidt, R. Trillo Nouché

- 17:30 ➤ Lond16C-OP005 - TAVI in depressed ventricular function with low-flow, low-gradient aortic stenosis assisted with femoro-femoral cardiopulmonary bypass  
J. Quintanilla
- 17:38 ➤ Discussion and audience interaction
- 17:45 ➤ Lond16C-OP049 - The role of the snare in a difficult TAVI  
V. RUIZ-QUEVEDO
- 17:53 ➤ Discussion and audience interaction
- 18:00 ➤ Lond16C-OP144 - Transseptal mitral valve-in-valve implantation. Dealing with technical issues and complications  
M. Alcantara
- 18:08 ➤ Discussion and audience interaction
- 18:15 ➤ Lond16C-OP065 - Three cases of early valve thrombosis after TAVI with Lotus valve  
R.A. HERNANDEZ
- 18:23 ➤ Discussion and audience interaction

**17:35 - 18:35** ■ **Understanding heart valve anatomy using multimodality imaging**  
ROOM 2 - LEVEL 1

Plenary

**Chairpersons:** *A. Baumbach, J.J. Bax*  
**Panellists:** *E. Brochet, R. Hahn, K. Hayashida*

**Attend this session if you want:**

- To understand heart valve anatomy across the spectrum of imaging modalities
- To learn about the fluoroscopic anatomy of heart valves for transcatheter valve interventions
- To appreciate the next steps in creating a new generation of interventional imaging specialists

- 17:35 ➤ Session objectives  
*J.J. Bax*
- 17:38 ➤ Heart valve anatomy: perspectives from the 3-chamber, 2-chamber and short-axis views  
*N. Piazza*
- 17:45 ➤ Time to React@PCR
- 17:50 ➤ Fluoroscopic heart valve anatomy - insights from CT and the link to echocardiography  
*D. Mylotte*
- 17:57 ➤ Time to React@PCR
- 18:02 ➤ Clinical case presentation - when multimodality imaging told the whole story  
*J. Byrne*
- 18:09 ➤ Time to React@PCR
- 18:14 ➤ How do we bring the specialities of intervention and imaging even closer? Perspectives from intervention  
*N. Van Mieghem*
- 18:20 ➤ How do we bring the specialities of intervention and imaging even closer? Perspectives from imaging  
*M. Monaghan*
- 18:26 ➤ Time to React@PCR
- 18:31 ➤ Session evaluation and key learnings  
*A. Baumbach*

**React@PCR**

Post your instant messages to the Chairpersons directly from your smartphone!

- 08:00 -

**08:00 - 08:45**  
MAIN ARENA -  
LEVEL 1  
Plenary

**Expanding TAVI to lower-risk patients with bicuspid valve disease: optimising outcomes through imaging**

**Chairpersons:** J.J. Bax, A. Vahanian  
**Panellists:** M. Chen, N. Dumonteil, K. Hayashida, A. Linke, P. Pibarot, J.J. Popma

**Attend this session if you want:**

- To fully understand the importance of bicuspid aortic valve pathology on clinical decision-making and TAVI outcomes
- To know how to select an appropriate TAVI device for patients with bicuspid aortic valve disease
- To learn tips and tricks to achieve optimal deployment depth in TAVI for bicuspid aortic valve disease

- 08:00 ➤ Session objectives  
A. Vahanian
- 08:04 ➤ Bicuspid aortic valve disease and associated aortopathy - a new challenge for interventional cardiologists  
E. Brochet
- 08:10 ➤ Time to React@PCR
- 08:16 ➤ Imaging to determine the correct TAVI device for bicuspid aortic valve disease: the concept of supra-annular sizing  
N. Piazza
- 08:22 ➤ Time to React@PCR
- 08:28 ➤ Imaging to guide optimal device deployment in bicuspid aortic valve disease: fluoroscopy, echocardiography, or both?  
N. Dumonteil
- 08:34 ➤ Time to React@PCR
- 08:40 ➤ Session evaluation and key learnings  
J.J. Bax

**React@PCR**

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**08:00 - 09:25**  
ROOM 2 - LEVEL  
1  
Plenary

**Valve-in-valve intervention: state of the art and future perspectives**

**Chairpersons:** P. MacCarthy, S. Redwood  
**Panellists:** M. Gilard, R. Kornowski, A. Pichard, H. Sievert

**Attend this session if you want:**

- To fully understand the current and future scope of percutaneous valve-in-valve intervention
- To identify the key imaging requirements for patient evaluation and device selection
- To learn key practical factors in achieving successful outcomes in percutaneous valve-in-valve and valve-in-ring procedures

- 08:00 ➤ Session objectives  
P. MacCarthy
- 08:03 ➤ Where are we up to? Current status and registry data  
D. Dvir
- 08:11 ➤ Time to React@PCR
- 08:19 ➤ Imaging is key to successful outcomes - defining the mechanism of valve failure and guiding device selection  
R. Hahn
- 08:27 ➤ Time to React@PCR
- 08:35 ➤ Aortic valve-in-valve - a user's guide  
F. Castriota
- 08:43 ➤ Time to React@PCR
- 08:51 ➤ Mitral and tricuspid valve-in-valve and valve-in-ring - a user's guide  
V. Bapat
- 08:59 ➤ Time to React@PCR
- 09:07 ➤ Where are we going? Future clinical strategies and technical innovations  
M. Abdel-Wahab
- 09:15 ➤ Time to React@PCR
- 09:23 ➤ Session evaluation and key learnings  
S. Redwood

**React@PCR**

Post your instant messages to the Chairpersons directly from your smartphone!

**08:00 - 09:00**  
ROOM 3 - LEVEL  
1



**Learning transfemoral access and closure for TAVI - technical aspects and complication management**

**Facilitators:** T. Lefevre, N. Van Mieghem  
**Media Driver:** C. Allen

**Attend this session if you want:**

- To learn the essential techniques for successful transfemoral access and closure
- To appreciate the circumstances when transfemoral access is best avoided
- To fully understand how to prevent and manage vascular complications of TAVI



**08:00 - 09:25** ■ **TAVI complications and their prevention**

ROOM 4 - LEVEL 1

Abstracts

*Session comprising selected PCR London Valves 2016 abstract submissions*

**Chairpersons: J. Byrne, A. Lansky**  
**Panellists: D. Himbert, H.L. Kao**

- 08:00 ▶ Lond16A-OP71 - Subclinical leaflet thickening in a novel mechanical expanded TAVI device  
*R. Gooley*
- 08:06 ▶ Discussion and audience interaction
- 08:10 ▶ Lond16A-OP11 - Incidence, predictors, and mid-term outcomes of possible leaflet thrombosis after TAVI  
*R. Yanagisawa*
- 08:16 ▶ Discussion and audience interaction
- 08:20 ▶ Lond16A-OP44 - Safety and efficacy of the cerebral embolic protection device during TAVI: results from a single-centre experience  
*M. Dallago*
- 08:26 ▶ Discussion and audience interaction
- 08:30 ▶ Lond16A-OP17 - The effect of transcatheter aortic valve replacement on cognition - a prospective pilot study  
*M. Abawi (pending confirmation)*
- 08:36 ▶ Discussion and audience interaction
- 08:41 ▶ Lond16A-OP55 - Evaluation of the incidence, timing, and potential recovery rates of complete atrioventricular block after TAVI: a Japanese multicentre registry study  
*A. Kagase*
- 08:47 ▶ Discussion and audience interaction
- 08:52 ▶ Lond16A-OP20 - Impact of implantation depth for pacemaker need after implantation of a fully repositionable and retrievable aortic valve - insights from the respond post-market study  
*L. Van Gils*
- 08:58 ▶ Discussion and audience interaction
- 09:03 ▶ Lond16A-OP66 - Role of implantation depth on pacemaker rate and paravalvular leakage after balloon expandable TAVI  
*S. Fateh-Moghadam*
- 09:09 ▶ Discussion and audience interaction
- 09:14 ▶ Lond16A-OP31 - Assessment of aortic regurgitation by contrast densitometry angiography in the setting of TAVI; echocardiographic correlates  
*M. Abdelghani*
- 09:20 ▶ Discussion and audience interaction

**08:00 - 09:25** ■ **TAVI: vascular access, coronary disease**

INTERACTIVE CASE CORNER - LEVEL 1

Cases

*Session comprising selected PCR London Valves 2016 clinical case submissions*

**Facilitators: A.S. Petronio, T. Walther**

- 08:00 ▶ Lond16C-ICC030 - Same setting right and then left 18F femoral access for TAVI. Bailout access site manoeuvres  
*G. Latsios*
- 08:08 ▶ Lond16C-ICC095 - Difficult transfemoral access in TAVI: snare could be an option  
*Ö. Özden Tok*
- 08:16 ▶ Lond16C-ICC108 - Bending the rules in transfemoral TAVI: overcoming severe iliac tortuosity  
*J. Michel*
- 08:24 ▶ Lond16C-ICC109 - Steps to manage potential "suicide left ventricle" in TAVI patient  
*R. Wolff*
- 08:32 ▶ Lond16C-ICC110 - Transfemoral complex TAVI procedure in patient with bicuspid aortic valve stenosis and previous surgical treatment for abdominal aortic aneurism  
*L. Salemm*
- 08:40 ▶ Lond16C-ICC123 - Difficult implantation of second Evolut valve through the first one  
*P. Kubler*
- 08:48 ▶ Lond16C-ICC165 - Severely tortuous anatomy in patient treated with transfemoral TAVI  
*B. Rymuza*
- 08:56 ▶ Lond16C-ICC166 - When deep implantation is not an option  
*G. Katsimagklis*
- 09:04 ▶ Lond16C-ICC093 - A case of minimum contrast TAVI screening in end-stage renal dysfunction  
*T. Sakamoto*
- 09:11 ▶ Lond16C-ICC113 - TAVI with PCI of the left main  
*J.H. Kim*
- 09:18 ▶ Lond16C-ICC155 - Transaortic TAVI and LIMA-left anterior descending under extracorporeal membrane oxygenation support in a no-option patient  
*N. Bonaros*

**08:00 - 09:25** ■ **Mitral complication and hole closure after valve interventions**

ROOM 5 - LEVEL 2

Cases

*Session comprising selected PCR London Valves 2016 clinical case submissions*

**Facilitators: C. Grasso, F. Nietlisbach**

- 08:00 > Lond16C-ICC092 - Occult mitral valve damage after percutaneous mitral valve edge-to-edge repair  
*Z. Rahhab*
- 08:09 > Lond16C-ICC118 - Valve-in-ring mitral. Post-operative valve thrombosis  
*G. Dahle*
- 08:18 > Lond16C-ICC120 - Sudden thrombosis after transapical valve-in-ring procedure in mitral position  
*Liewald*
- 08:27 > Lond16C-ICC129 - Two clips, not enough to stabilise a partial clip detachment  
*J. Morales Portano*
- 08:36 > Lond16C-ICC014 - Successful percutaneous closure of a large prosthetic tricuspid valve paravalvular leak with two VSD occluders in patient with previous metallic mitral valve ring  
*R. Anantharaman*
- 08:45 > Lond16C-ICC017 - Double approach mitral paravalvular leak closure  
*P. Dardas*
- 08:55 > Lond16C-ICC033 - Percutaneous treatment of severe transvalvular and paravalvular regurgitation in a failing surgical aortic valve prosthesis due to recurrent endocarditis  
*R.K. Binder*
- 09:05 > Lond16C-ICC073 - Plugging paravalvular leak immediately after TAVI with self-expandable valve in a patient with stenotic bicuspid anatomy  
*Y. Feng*
- 09:15 > Lond16C-ICC130 - A case of transeptal and transapical access for transcatheter closure of mitral prothetic paravalvular leak  
*R. Sádaba*

**08:45 - 09:30** ■ **LIVE demonstration: TAVI in a bicuspid aortic valve**

MAIN ARENA - LEVEL 1



**Chairpersons: J.J. Bax, A. Vahanian**

**Panellists: M. Chen, N. Dumonteil, K.**

**Hayashida, A. Linke, P. Pibarot, J.J.**

**Popma**

**Operators: S. Stortecky, S. Windecker**

- 08:45 > Overview of the tools to be used during the LIVE demonstration  
*A. Linke*
- 08:50 **LIVE demonstration from Swiss Cardiovascular Centre, Bern University Hospital - Bern, Switzerland**
- 09:20 > Time to React@PCR

**React@PCR**

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**- 09:00 -**

**09:00 - 10:30** ■ **Learning how to make your TAVI programme more efficient and cost effective**

ROOM 3 - LEVEL 1



**Facilitators: C. Tamburino, D. Tchétché**  
**Media Driver: S. Cannata**

**Attend this session if you want:**

- > To learn how your TAVI service can be more streamlined and cost-effective
- > To understand when conscious sedation and general anaesthesia are most appropriate for TAVI
- > To understand the key principles of safe early discharge after TAVI

**09:30 - 10:30** ■ **Secondary mitral regurgitation: percutaneous strategies to improve outcomes**

ROOM 2 - LEVEL 1

Plenary

**Chairpersons: T. Feldman, H. Ince**  
**Panellists: P. Boekstegers, F. Hellig, U. Schäfer, D. Walters**

**Attend this session if you want:**

- > To understand when and how edge-to-edge repair fails in the treatment of secondary mitral regurgitation
- > To identify predictors of failure and propose strategies to improve outcomes after edge-to-edge repair of secondary mitral valve regurgitation
- > To advance hypotheses for future patient selection criteria for percutaneous treatment options in patients with secondary mitral regurgitation

- 09:30 > Session objectives  
*H. Ince*
- 09:34 > Secondary mitral regurgitation - limitations of current medical and device therapy and the need for percutaneous treatment  
*A. Vahanian*
- 09:41 > Time to React@PCR
- 09:47 > Percutaneous edge-to-edge repair in secondary mitral regurgitation - current outcomes and predictors of failure  
*C. Grasso*
- 09:54 > Time to React@PCR
- 10:00 > Alternative percutaneous approaches for secondary mitral regurgitation  
*V. Bapat*
- 10:07 > Time to React@PCR
- 10:13 > A further challenge for percutaneous treatment: secondary mitral regurgitation as a result of severe aortic stenosis  
*U. Schäfer*
- 10:20 > Time to React@PCR
- 10:26 > Session evaluation and key learnings  
*T. Feldman*

**React@PCR**

Post your instant messages to the Chairpersons directly from your smartphone!

**09:30 - 10:30**  
**ROOM 4 - LEVEL**  
**1**  
Cases

**International forum: PCR-CIT  
China Chengdu Valves and PCR  
Tokyo Valves share their most  
educational cases**

**Chairpersons:** *M. Chen, P. MacCarthy*  
**Panellists:** *K. Hayashida, M.K.Y. Lee, C.K. Naber, S. Saito*

**Attend this session if you want:**

- To understand the challenges of TAVI specific to an Asian population
- To appreciate the treatment options in patients with small annulus size
- To learn how to anticipate and manage TAVI complications

- 09:30 ➤ PCR London Valves welcomes PCR-CIT China Chengdu Valves and PCR Tokyo Valves  
*P. MacCarthy*
- 09:33 ➤ Case 1: TAVI in a bicuspid valve  
*M.K.Y. Lee*
- 09:39 ➤ How would I treat?  
*S. Saito*
- 09:43 ➤ Discussion and audience interaction
- 09:47 ➤ How did I treat?  
*M.K.Y. Lee*
- 09:51 ➤ Case 2: aortic stenosis with small anatomy/annulus  
*K. Hayashida*
- 09:57 ➤ How would I treat?  
*H.L. Kao*
- 10:01 ➤ Discussion and audience interaction
- 10:05 ➤ How did I treat?  
*K. Hayashida*
- 10:09 ➤ Case 3: TAVI complication  
*Z.G. Zhao*
- 10:15 ➤ How would I treat?  
*T. Sakamoto*
- 10:19 ➤ Discussion and audience interaction
- 10:23 ➤ How did I treat?  
*Z.G. Zhao*
- 10:27 ➤ Session evaluation and key learnings  
*M. Chen*

**09:30 - 10:30**  
**INTERACTIVE**  
**CASE CORNER -**  
**LEVEL 1**  
Cases

**TAVI complications**

*Session comprising selected PCR London Valves 2016 clinical case submissions*

**Facilitators:** *D. Blackman, N. Dumonteil*

- 09:30 ➤ Lond16C-ICC112 - TAVI in TAVI for paravalvular regurgitation after TAVI  
*D.S. Sim*
- 09:39 ➤ Lond16C-ICC114 - Left ventricular outflow tract-migrated transcatheter heart valve  
*L. Salido-Tahoces*
- 09:48 ➤ Lond16C-ICC124 - TAVI unusual complication  
*J. Sandoval*
- 09:57 ➤ Lond16C-ICC127 - Late migration (28 months after implantation) of transcatheter mitral valve in ring requiring surgical reoperation  
*M. Yates*
- 10:06 ➤ Lond16C-ICC132 - Creating stability: one method of treating an embolised TAVI device  
*R. Gooley*
- 10:14 ➤ Lond16C-ICC136 - Partial deployment of a balloon expandable valve due to delivery system failure: expect the unexpected  
*M. Chrissoheris*
- 10:22 ➤ Lond16C-ICC139 - Late shifting transcatheter self-expandable valve down to the left ventricle treated with re-TAVI procedure  
*D. Stolyarov*

**09:30 - 10:30 ■ TAVI in bicuspid valves**

ROOM 5 - LEVEL 2

Cases

*Session comprising selected PCR London Valves 2016 clinical case submissions*

**Facilitators:** Ö. Göktekin, R. Kornowski

- 09:30 > Lond16C-ICC167 - Successful TAVI in bicuspid anatomy with a new self-expandable device  
*Z.G. Zhao*
- 09:37 > Lond16C-ICC061 - Transfemoral TAVI in a complex bicuspid anatomy  
*P. Gatto*
- 09:44 > Lond16C-ICC083 - Extremely high deployment of an undersized TAVI prosthesis to treat heavily calcified bicuspid aortic valve  
*C. Trani*
- 09:51 > Lond16C-ICC085 - Transfemoral TAVI in an intermediate-risk patient with bicuspid aortic valve and high embolic risk  
*P. Gatto*
- 09:58 > Lond16C-ICC122 - TAVI treatment for a patient with bicuspid aortic valve and mild asymmetrical calcification  
*Y.N. Xu*
- 10:06 > Lond16C-ICC149 - Five cases of bicuspid aortic stenosis with transcatheter aortic valve replacement  
*R. Muratalla*
- 10:14 > Lond16C-ICC036 - Full transcatheter treatment of bicuspid aortic valve stenosis and aortic coarctation in a 76-year-old female  
*F. van der Kleij*
- 10:22 > Lond16C-ICC023 - Lotus TAVI implantation in a bicuspid aortic valve: when position matters...  
*R. Nerla*

**09:35 - 10:30 ■ The Great Valve Debate: is TAVI the new gold standard in the treatment of patients with aortic stenosis?**

MAIN ARENA - LEVEL 1

Plenary

*Supported by an educational grant from Edwards Lifesciences*

**Chairperson:** M. Haude

**Panellists:** N. Moat, T. Modine, H.

**Moellmann, A.S. Petronio**

**React@PCR Moderator:** J.J. Bax

**React@PCR**

Post your instant messages to the Chairpersons directly from your smartphone!

**- 11:00 -**

**11:00 - 11:45 ■ Trials and registries 2016: what do they mean?**

MAIN ARENA - LEVEL 1

Plenary

**Chairpersons:** M. Gilard, O. Wendler

**Panellists:** A. Baumbach, P. CHIAM, C. Hamm, A. Lansky, R. Makkar, N. Moat

**Attend this session if you want:**

- > To hear a summary of the latest data concerning percutaneous valve intervention
- > To appreciate the limitations and shortcomings of the available evidence base
- > To fully understand how to incorporate the findings of randomised controlled trials and large scale registries into your everyday practice

- 11:00 > Session objectives

*M. Gilard*

**The TAVI randomised controlled trials**

- 11:03 > The data and their limitations

*L. Sondergaard*

- 11:10 > Messages for everyday practice

*S. Redwood*

- 11:16 > Time to React@PCR

**The mitral registries**

- 11:23 > The data and their limitations

*C. Grasso*

- 11:30 > Messages for everyday practice

*H. Ince*

- 11:36 > Time to React@PCR

- 11:43 > Session evaluation and key learnings

*O. Wendler*

**React@PCR**

Post your instant messages to the Chairpersons directly from your smartphone!

**11:00 - 12:30**  
ROOM 2 - LEVEL  
1

Focus  
Innovation  
Plenary

## Rapid fire: innovations in percutaneous tricuspid intervention

**Chairpersons:** *R. Hahn, M. Haude*  
**Panellists:** *J. Hancock, D. Mylotte, H. Treede*

### Attend this session if you want:

- To fully understand the anatomical and technical challenges associated with percutaneous tricuspid intervention
- To hear the latest outcome data concerning cutting edge technologies with first in man experience
- To identify the limitations of currently available devices

- 11:00 ➤ Session objectives  
*R. Hahn*
- 11:04 ➤ What are the anatomical and technical challenges in percutaneous tricuspid intervention?  
*F. Maisano*
- 11:11 ➤ Lond16I-OP03 - Tricuspid repair with the Trialalign system  
*J. Schofer*
- 11:19 ➤ Time to React@PCR
- 11:24 ➤ 4Tech TriCinch: technologies designed for transcatheter tricuspid valve repair  
*F. Maisano*
- 11:30 ➤ Time to React@PCR
- 11:34 ➤ The Edwards FORMA device  
*J. Rodes Cabau*
- 11:40 ➤ Time to React@PCR
- 11:44 ➤ Interventional therapy for tricuspid regurgitation: the heterotopic concept - TricValve  
*H.R. Figulla*
- 11:50 ➤ Time to React@PCR
- 11:54 ➤ Lond16I-OP11 - Mitraclip in the tricuspid position: navigating to the tricuspid valve for transfemoral interventional tricuspid valve repair  
*J. Hausleiter*
- 12:02 ➤ Time to React@PCR
- 12:06 ➤ What does the future hold?  
*A. Latib*
- 12:15 ➤ Session evaluation and key learnings  
*M. Haude*

### React@PCR

Post your instant messages to the Chairpersons directly from your smartphone!

**11:00 - 12:30**  
ROOM 3 - LEVEL  
1



## Learning TAVI for failing aortic bioprostheses and bicuspid valves

**Facilitators:** *M.K.Y. Lee, H. Moellmann*  
**Expert Panellist:** *K. Hayashida*  
**Media Driver:** *C. Allen*

### Attend this session if you want:

- To learn how to plan TAVI for a failing aortic bioprosthesis or bicuspid valve
- To appreciate the key technical aspects of the TAVI procedure in this clinical setting
- To fully understand how to predict and prevent complications of TAVI for a failing aortic bioprosthesis or bicuspid valves

# 11:00 - 12:30 ■ TAVI: optimising outcomes

ROOM 4 - LEVEL 1

Abstracts

Session comprising selected PCR London Valves 2016 abstract submissions

**Chairpersons:** F. Nietlispach, D. Walters  
**Panellists:** F. Castriota, N. Dumonteil

- 11:00 ▶ Lond16A-OP77 - Clinical and echocardiographic outcome after HeartNavigator assisted second-generation balloon expandable transcatheter heart valve implantation  
*S. Fateh-Moghadam*
- 11:06 ▶ Discussion and audience interaction
- 11:11 ▶ Lond16A-OP67 - Balloon dilatation of the Direct Flow Medical transcatheter aortic valve during implantation: report of European experience  
*F. De Marco*
- 11:17 ▶ Discussion and audience interaction
- 11:22 ▶ Lond16A-OP64 - Device landing zone calcification is not associated with residual paravalvular regurgitation after transfemoral TAVI with the next generation of the balloon expandable and the self-expandable transcatheter heart valves  
*T. Kurz*
- 11:28 ▶ Discussion and audience interaction
- 11:33 ▶ Lond16A-OP81 - Is there a relationship between native aortic valve calcium score and prosthetic valve stenosis after TAVI?  
*E. Ariaz*
- 11:39 ▶ Discussion and audience interaction
- 11:44 ▶ Lond16A-OP23 - Impact of preprocedural coronary artery disease assessed by SYNTAX score on TAVI outcome  
*Z. Huczek*
- 11:50 ▶ Discussion and audience interaction
- 11:55 ▶ Lond16A-OP78 - Effect of preparatory coronary protection in patients at high anatomical risk of acute coronary obstruction after TAVI  
*S. Kano*
- 12:01 ▶ Discussion and audience interaction
- 12:07 ▶ Lond16A-OP30 - Hydrodynamic performance of three transcatheter heart valve prosthesis types implanted in surgical bioprostheses: an in-vitro valve-in-valve comparison  
*A. Sedaghat*
- 12:13 ▶ Discussion and audience interaction
- 12:18 ▶ Lond16A-OP70 - The incidence of pseudoaneurysm formation after TAVI  
*S. Fateh-Moghadam*
- 12:24 ▶ Discussion and audience interaction

# 11:00 - 12:30 ■ TAVI unusual cases

INTERACTIVE CASE CORNER - LEVEL 1

Cases

Session comprising selected PCR London Valves 2016 clinical case submissions

**Facilitators:** J. Hon, J.J. Popma

- 11:00 ▶ Lond16C-ICC053 - Subaortic compressive pseudoaneurysm treated by transcatheter self-expanding CoreValve prosthesis  
*G. Sardella*
- 11:08 ▶ Lond16C-ICC019 - Mechanical thrombectomy of embolised native aortic valve during TAVI  
*J. Coughlan*
- 11:16 ▶ Lond16C-ICC043 - Mobile mass at aortic valve in patient with severe aortic stenosis undergoing TAVI  
*S. Sasaki*
- 11:24 ▶ Lond16C-ICC018 - Aortic regurgitation due to mobile chronic valve vegetation treated with TAVI - first-human case  
*A.B. Gopalamurugan*
- 11:32 ▶ Lond16C-ICC071 - TAVI in a heart failure patient with a left ventricular assist device and severe aortic regurgitation  
*F. van der Kley*
- 11:40 ▶ Lond16C-ICC126 - TAVI transcaval with lotus valve  
*J. Sandoval*
- 11:48 ▶ Lond16C-ICC131 - TAVI for failed aortic homograft with severe regurgitation - superior treatment to redo surgery?  
*T. Al-Badawi*
- 11:56 ▶ Lond16C-ICC134 - Severe aortic stenosis and acute type A proximal aortic dissection: a self-expandable valve to treat both  
*K. Papadopoulos*
- 12:04 ▶ Lond16C-ICC150 - Complete percutaneous management of cardiac diseases: three devices for one heart  
*R. Muratalla*
- 12:12 ▶ Lond16C-ICC154 - TAVI in a heart transplanted patient affected by acromegaly  
*E. Raviola*

**11:00 - 12:30 ■ Percutaneous mitral therapies**

ROOM 5 - LEVEL 2

*Session comprising selected PCR London Valves 2016 clinical case submissions*

**Facilitators: K.H. Kuck, C. Tamburino**

Cases

- 11:00 > Lond16C-ICC004 - Wire-assisted Inoue balloon crossing extremely narrow mitral orifice-rescue method when all the techniques failed  
*C.W. Lee*
- 11:07 > Lond16C-ICC063 - Saved by a thread!  
*M. Settergren*
- 11:14 > Lond16C-ICC090 - First experience with a transcatheter mitral valve with apical tether  
*G. Dahle*
- 11:21 > Lond16C-ICC111 - Implantation of a mechanically expanding transcatheter valve for severe mitral stenosis  
*N. Uren*
- 11:28 > Lond16C-ICC055 - Emergency cardiac surgery for irreversible MitraClip delivery system entrapment  
*G. Sardella*
- 11:35 > Lond16C-ICC042 - Double clips, double the trouble!  
*G. Tang*
- 11:42 > Lond16C-ICC142 - Transcatheter mitral valve-in-ring for prosthetic valve dysfunction  
*R. Tanner*
- 11:49 > Lond16C-ICC056 - Successful percutaneous edge-to-edge treatment for severe rheumatic mitral regurgitation  
*K.K. Yeo*
- 11:56 > Lond16C-ICC066 - Recurrent intraclips mitral regurgitation : an unconventional treatment approach  
*L. Biasco*
- 12:03 > Lond16C-ICC133 - MitraClip transcatheter mitral valve repair: an alternative treatment for double orifice mitral valve with flail leaflet  
*Z. Wang*
- 12:10 > Lond16C-ICC070 - Transseptal mitral valve-in-valve  
*N. Uren*
- 12:17 > Lond16C-ICC115 - Transapical mitral valve in ring implantation after mitral valve repair failure  
*D. Jagielak*
- 12:24 > Lond16C-ICC146 - Cardioband implantation to treat recurrent mitral regurgitation after MitraClip therapy  
*M. Taramasso*

**11:45 - 12:30 ■ LIVE demonstration:**

MAIN ARENA - LEVEL 1



**Percutaneous edge-to-edge repair for mixed functional and degenerative mitral regurgitation using a next generation device**

**Chairpersons: M. Gilard, O. Wendler**

**Panellists: P. CHIAM, C. Hamm, H. Ince, A. Lansky, R. Makkar, N. Moat**

**Operators: A. Moschovitis, F. Praz, S. Windecker**

- 11:45 > Overview of the tools to be used during the LIVE demonstration  
*N. Moat*

**11:50 LIVE demonstration from Swiss Cardiovascular Centre, Bern University Hospital - Bern, Switzerland**

- 12:20 > Time to React@PCR

**React@PCR**

Post your instant messages to the Chairpersons directly from your smartphone!



- 13:00 -

**13:00 - 14:40**  
**MAIN ARENA -**  
**LEVEL 1**

Tools and  
Techniques



## Cardioband: clinical reality for mitral and tricuspid valve repair

*Sponsored by Valtech Cardio*

**Chairpersons:** E. Grube, K.H. Kuck  
**Panellists:** A. Latib, F. Maisano, G. Nickenig, R.S. Von Bardeleben

### Attend this session if you want:

- To understand how to perform mitral repair in patients with functional mitral regurgitation
- To learn more about case examples of the Cardioband procedures
- To learn about the evolution of Cardioband for treating heart failure

13:00 ➤ Session objectives  
E. Grube

13:05 ➤ 24-month results and clinical studies update  
K.H. Kuck

13:15 ➤ 100 patients: lessons learned  
F. Maisano

**13:25 Recorded case from Mainz University (Universitätsmedizin Mainz) - Mainz, Germany**

R.S. Von Bardeleben

13:50 ➤ Time to React@PCR

13:55 ➤ Cardioband, synergetic with other treatments  
A. Latib

14:05 ➤ Echo Guidance: following the anatomy and physiology  
R.S. Von Bardeleben

14:15 ➤ Time to React@PCR

14:20 ➤ Tricuspid repair with Cardioband  
G. Nickenig

14:30 ➤ Time to React@PCR

14:35 ➤ Session evaluation and key learnings  
E. Grube

### React@PCR

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**13:00 - 13:45**  
**ROOM 2 - LEVEL**  
**1**

Symposium



## Driving excellent patient outcomes today and tomorrow

*Sponsored by Direct Flow Medical*

**Chairpersons:** J.J. Popma, D. Tchétché  
**Panellists:** F. De Marco, S. Gafoor, M. Gilard

### Attend this session if you want:

- To deep dive into the latest data from Direct Flow Medical TAVI technology
- To learn advanced Direct Flow Medical TAVI system implant techniques
- To learn about the Direct Flow Medical mitral programme

13:00 ➤ Session objectives  
D. Tchétché

13:03 ➤ Aortic programme - a deep-dive into the clinical evidence  
A. Latib

13:11 ➤ Time to React@PCR

13:16 ➤ Complete procedural control - reaching the goal of 'no aortic regurgitation'  
S. Lim

13:24 ➤ Time to React@PCR

13:29 ➤ Mitral programme update  
N. Moat

13:37 ➤ Time to React@PCR

13:42 ➤ Session evaluation and key learnings  
J.J. Popma

### React@PCR

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**13:00 - 14:40**  
ROOM 4 - LEVEL 1

Tools and  
Techniques



**Tricuspid repair with the Trialign system**

*Sponsored by Mitralign*

**Chairperson: M.B. Leon**

**Panellists: R. Hahn, L. Labrousse, A. Latib, J. Schofer**

**Attend this session if you want:**

- To familiarise yourself with tricuspid valve repair techniques
- To develop an understanding of tricuspid valve imaging
- To understand important considerations for transcatheter tricuspid valve repair procedures

- 13:00 ➤ Session objectives  
*M.B. Leon*
- 13:05 ➤ Contemporary tricuspid surgical repair techniques  
*L. Labrousse*
- 13:13 ➤ Discussion and audience interaction
- 13:18 ➤ Trialign tricuspid repair approach  
*A. Latib*
- 13:26 ➤ Discussion and audience interaction
- 13:32 ➤ Echocardiology tips and tricks targetting the tricuspid valve  
*R. Hahn*
- 13:40 ➤ Discussion and audience interaction
- 13:45 **Recorded cases from Northwestern University Hospital - Chicago, USA and Albertinen Heart Center - Hamburg, Germany**  
*R. Hahn, J. Schofer*
- 14:30 ➤ Discussion and audience interaction
- 14:35 ➤ Session evaluation and key learnings  
*M.B. Leon*

**- 14:00 -**

**14:45 - 15:30**  
MAIN ARENA - LEVEL 1



**LIVE demonstration: Combined TAVI and LAA closure using a step-by-step approach**

**Chairpersons: J. Fajadet, M. Haude**  
**Panellists: N. Piazza, S. Redwood, C. Tamburino, D. Tchétché, O. Wendler**  
**Operators: A. Moschovitis, F. Praz, S. Stortecky, S. Windecker**

- 14:45 ➤ Overview of the tools to be used during the LIVE demonstration  
*S. Redwood*
- 14:50 **LIVE demonstration from Swiss Cardiovascular Centre, Bern University Hospital - Bern, Switzerland**
- 15:20 ➤ Time to React@PCR

**React@PCR**

Post your instant messages to the Chairpersons directly from your smartphone!

**14:45 - 15:45**  
ROOM 2 - LEVEL 1

Plenary

**Technical challenges in percutaneous mitral edge-to-edge repair: learning from difficult cases**

**Chairpersons: T. Feldman, G. Nickenig**  
**Panellists: H. Ince, F. Maisano, H. Treede, K.K. Yeo**

**Attend this session if you want:**

- To be updated on the results of percutaneous edge-to-edge repair and the determinants of success / failure
- To understand the technical difficulties which may be encountered during percutaneous edge-to-edge repair
- To identify strategies to overcome difficult anatomy in percutaneous treatment of mitral regurgitation

- 14:45 ➤ Session objectives  
*G. Nickenig*
- 14:50 ➤ Case 1: clipping after failed percutaneous repair  
*C. Grasso*
- 14:55 ➤ Time to React@PCR
- 15:00 ➤ Case 2: clipping after failed surgical repair  
*P. Boekstegers*
- 15:05 ➤ Time to React@PCR
- 15:10 ➤ Case 3: Barlow disease  
*F. Maisano*
- 15:15 ➤ Time to React@PCR
- 15:20 ➤ Case 4: extreme tethering in secondary mitral regurgitation  
*M. Buch*
- 15:25 ➤ Time to React@PCR
- 15:30 ➤ Case 5: clipping in cardiogenic shock  
*K.H. Kuck*
- 15:35 ➤ Time to React@PCR
- 15:40 ➤ Session evaluation and key learnings  
*T. Feldman*

**React@PCR**

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14:45 - 15:45		■ Extending the indications for TAVI to patients with asymptomatic severe aortic stenosis
ROOM 3 - LEVEL 1		
Plenary		
		<b>Chairpersons:</b> <i>M.B. Leon, P. Pibarot</i> <b>Panellists:</b> <i>E. Grube, F. Hellig, A. Linke</i>
		<b>Attend this session if you want:</b>
		<ul style="list-style-type: none"> <li>➤ To understand in more detail the natural history of aortic stenosis</li> <li>➤ To explore the potential of minimally invasive valve therapy in the asymptomatic patient</li> <li>➤ To understand how earlier intervention could improve long-term outcomes</li> </ul>
14:45		➤ Session objectives <i>P. Pibarot</i>
14:50		➤ The continuum of aortic stenosis: when does the real risk begin? <i>P. MacCarthy</i>
14:55		➤ Discussion and audience interaction
15:00		➤ Identifying the at-risk patient - symptoms, biomarkers, imaging <i>J.J. Bax</i>
15:05		➤ Discussion and audience interaction
15:10		➤ Early intervention versus watchful waiting in asymptomatic severe aortic stenosis - current data <i>H. Moellmann</i>
15:15		➤ Discussion and audience interaction
15:20		➤ Potential advantages of TAVI over surgical aortic valve replacement in asymptomatic patients <i>A. Cribier</i>
15:25		➤ Discussion and audience interaction
15:30		➤ What about moderate aortic stenosis and heart failure? Should we give TAVI the benefit of the doubt? <i>N. Van Mieghem</i>
15:35		➤ Discussion and audience interaction
15:40		➤ Session evaluation and key learnings <i>M.B. Leon</i>

14:45 - 15:45		■ Graders choice: the top 5 cases of 2016
ROOM 4 - LEVEL 1		
Cases		
		<i>Session comprising selected PCR London Valves 2016 clinical case submissions</i>
		<b>Chairpersons:</b> <i>J. Byrne, B. Prendergast</i> <b>Panellists:</b> <i>N. Dumonteil, A. Latib, T. Lefevre</i>
14:45		➤ Lond16C-OP045 - Transcatheter tricuspid clipping after mitral clipping using echo- and fluoro-guidance <i>G. Tang</i>
14:52		➤ Discussion and audience interaction
14:57		➤ Lond16C-OP050 - Emergency left main PCI with "chimney technique" to treat coronary artery occlusion after valve-in-valve TAVI <i>R. Nerla</i>
15:04		➤ Discussion and audience interaction
15:09		➤ Lond16C-OP089 - Kissing balloons in the aorta <i>S. Toggweiler</i>
15:16		➤ Discussion and audience interaction
15:21		➤ Lond16C-OP137 - Successful stent-retriever thrombectomy for acute cerebral embolisation after TAVI <i>M. Miura</i>
15:28		➤ Discussion and audience interaction
15:33		➤ Lond16C-OP147 - Persistent tricuspid regurgitation after percutaneous mitral repair: a complete transcatheter treatment <i>M. Taramasso</i>
15:40		➤ Discussion and audience interaction

- 15:00 -

- 16:00 -

15:30 - 16:30

MAIN ARENA -  
LEVEL 1

Plenary

**Complications of percutaneous valve intervention - nightmare scenarios and heroic escapes**

**Chairpersons:** J. Fajadet, M. Haude  
**Panellists:** N. Piazza, S. Redwood, C. Tamburino, D. Tchétché, O. Wendler

**Attend this session if you want:**

- To learn practical tips and tricks to prevent and manage complications of percutaneous valve interventions
- To understand the importance of imaging in the detection and management of procedural complications
- To appreciate that even high volume experts get it wrong (sometimes)

15:30

- Session objectives  
J. Fajadet

15:33

- Prevention and management of complications during percutaneous valve intervention - top tips  
A. Colombo

**My worst complication during a percutaneous aortic valve procedure**

15:42

- Case 1: the imager saves the day  
M. Monaghan

15:47

- Case 2: the interventionist saves the day  
H. Eltchaninoff

15:52

- Time to React@PCR

**My worst complication during a percutaneous mitral valve procedure**

15:57

- Case 3: the imager saves the day  
R. Hahn

16:02

- Case 4: the interventionist saves the day  
R.S. Von Bardeleben

16:07

- Time to React@PCR

**My worst complication during a valve-in-valve procedure**

16:12

- Case 5: the imager saves the day  
J. Hancock

16:17

- Case 6: the interventionist saves the day  
D. Hildick-Smith

16:22

- Time to React@PCR

16:27

- Session evaluation and key learnings  
M. Haude

**React@PCR**

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16:30 - 16:45

MAIN ARENA -  
LEVEL 1

Ceremony

**Highlights of the Course**

**Chairpersons:** J. Fajadet, M. Haude, B. Prendergast

**Panellists:** N. Piazza, S. Redwood, C. Tamburino, D. Tchétché, O. Wendler

16:30

- Concluding remarks  
B. Prendergast

16:40

- PCR London Valves 2017  
M. Haude