



Aortic Valve Congress at the Royal College of Surgeons of Edinburgh 28th February - 1st March, 2020

DAY 1 (Friday 28th February 2020)

08h00 Registration and coffee

08h55 Welcome and Introduction

Dr Michael Mack, Mr Vipin Zamvar

THE AORTIC VALVE

Chairs: Dr Michael Mack, Mr Vipin Zamvar

09h00 Leonardo da Vinci & the Aortic Valve

Mr Frank Wells (UK)

09h20 Clinical Assessment of Aortic Stenosis

Dr Andrew Flapan (UK)

09h40 The Natural History of Aortic Stenosis

Dr Geoff Strange (Australia)

IMAGING THE AORTIC VALVE

Chairs: Mr Renzo Pessotto, Dr Andrew Flapan

10h00 Echocardiography

Dr David Northridge (UK)

10h20 Computed Tomography

Dr Rong Bing (UK)

10h40 Magnetic Resonance Imaging

Prof. Gerry McCann (UK)

11h00 Coffee

SURGERY FOR AORTIC VALVE DISEASE

Chairs: Dr Michael Mack, Mr Vipin Zamvar

11h30 The History of Aortic Valve Replacement

Mr Frank Wells (UK)

11h50 Choosing the Type of Aortic Valve Replacement

Mr Shyam Kolvekar (UK)

12h10 Strategies to Improve AVR outcomes

Dr Bart Meuris (Belgium)

RESEARCH

Chairs: Dr Michael Mack, Dr Nick Cruden

12h30 Sutureless Valves to Improve AVR Outcomes

Dr Bart Meuris (Belgium)

12h40 Easy-AS Study

Prof. Gerry McCann (UK)

13h00 Lunch

TAVI: EVOLUTION

Chairs: Dr David Northridge, Dr Patrick McCarthy

14h00 Evolution of Transcatheter Valve Procedure and Design

Mr Neil Moat (USA)

14h20 The US Trials of TAVI vs surgery

Dr Michael Mack (USA)

14h40 Trials & Registries of Different Transcatheter Valves

Dr Jan Kovac (UK)

15h00 Widening the indications for TAVI

Prof. Simon Redwood (UK)

15h20 TAVI Results, Trends and Adoption in the USA

Dr Joseph Bavaria (USA)

15h45 Tea

ABSTRACT PRESENTATIONS: MINI-STERNOTOMY

Chairs: Dr Joseph Bavaria, Mr Renzo Pessotto

16h15 1) Is an Upper Mini-Sternotomy Approach the Future of Aortic Valve Procedures? The Belfast Experience. *Firas Aljanadi (UK)*

2) Rapid Deployment Aortic Valve Replacement with a Mini-Upper Sternotomy: The Surgical alternative to TAVI. *Charilaos Koutsogiannidis (UK)*



KEYNOTE LECTURE

Chairs: Dr Patrick McCarthy, Dr Michael Mack

17h00 “Transcatheter Mitral Valve Replacement(TMVR): Where are we now?” **Professor Simon Redwood (UK)**

17h30 *Meeting close*

1730: Welcome Reception in the Exhibition Hall

DAY 2 (Saturday 29th February 2020)

08h00 *Registration and coffee*

TAVI: KEY ISSUES & THE FUTURE

Chairs: Dr Neal Uren, Mr Vipin Zamvar

09h00 Anticoagulation and Valve Thrombosis after Tissue AVR and TAVI
Dr Michael Firstenberg (USA)

09h20 TAVI in Low Risk & Asymptomatic AS
Dr Stuart Watkins (UK)

09h40 TAVI with Concomitant Coronary Disease
Dr Mitchell Lindsay (UK)

10h00 Aortic Valve-in-Valve Implantation
Dr Anson Cheung (Canada)

10h20 Bicuspid Aortic Valve Disease
Dr Patrick McCarthy (USA)

10h45 *Coffee*

ABSTRACT PRESENTATIONS

Chairs: Mr Kelvin Lim, Dr Mitchell Lindsay

11h15 3) Novel Techniques for Aortic Valve Reconstruction with Three Same-Sized Autologous Pericardial Leaflets: Useful application of 3-D Hologram Evaluation for reproducibility of Surgical Techniques. *Takeo Tedoriya (Japan)*

4) Managing the Small Aortic Annulus: Which Valve Type Offers Superior Haemodynamic Performance in the Current Era? *Ronan Kelly (UK)*

THE FUTURE OF TAVI

Chairs: Dr Miles Behan, Dr Stuart Watkins

11h45 Which Patients Will Continue to Need Surgery
Dr Michael Mack (USA)

12h05 TAVI for Aortic Regurgitation
Dr Jan Kovac (UK)

12h25 Design of Future Trials in Structural Heart Disease
Mr David Taggart (UK)

12h45 *Lunch*

IMPLICATIONS FOR TRAINING

Chairs: Dr Patrick McCarthy, Dr Anson Cheung

13h45 Volumes & Skill Set Requirements
Dr Joseph Bavaria (USA)

14h05 The Role of Artificial Intelligence in AS
Dr Geoff Strange (Australia)

14h25 Valve Surgery Post-Transcatheter Treatment
Dr Thierry Carrel (Switzerland)

ABSTRACT PRESENTATIONS: ASSESSMENT

Chairs: Dr Bart Meuris, Dr Miles Behan

14h45 5) Ten years of TAVI in Greece. *Stavros Syminelakis (Greece)*

6) The Role of Sutureless Valves as Bail out in Aortic Valve Replacement Accompanied by Severe Ascending Aortic Pathology *Peter Oberwalder (Austria)*

15h15 *Tea*



ABSTRACT PRESENTATIONS: OUTCOMES

Chairs: Dr Nick Cruden, Dr Geoff Strange

- 15h45 7) Short-Term Clinical Outcomes and Analysis of Risk-Factors for Pacemaker Implantation: A Single Centre Experience of Self-Expandable TAVI valves. *Chi Ying Simon Chow (Hong Kong)*
- 8) Incidence, Predictors and Outcomes of Permanent Pacemaker Insertion Following TAVI: the First TAVI Registry in Saudi Arabia. *Fares Rajah (Saudi Arabia)*
- 9) Trans-Apical TAVI: 10-year Single Centre Outcomes. *Viktor Zlocha (UK)*
- 10) TAVI Team Patient Safety: First 319 Consecutive Implants with Zero 30-day Mortality in a 220 Bed Community Hospital. *James McClurken (USA)*

DEBATE

Chairs Dr Michael Mack, Dr Neal Uren, Mr Vipin Zamvar

16h45 “The house believes that in 10 years’ time, cardiac surgeons will not be replacing native stenotic aortic valves, only TAVI explants”

Pro: Interventional Cardiologist, **Dr Jan Kovac (UK)**

Con: Cardiac Surgeon, **Prof. Marjan Jahangiri (UK)**

17h30 *Meeting close*

DAY 3 (Sunday 1st March 2020)

08h00 *Registration and coffee*

09h00 **CHALLENGING TAVI CASES: VIDEO IN A BOX**
Chairs: Dr Michael Mack, Dr Neal Uren

- 1) Novel Next Generation Balloon Expandable TAVR Technology: Dr Daniel Unic (Croatia)
- 2) Case Presentation: Dr Andy Mitchell (UK)

ABSTRACT PRESENTATIONS:

Chairs: Dr Jan Kovac, Mr Anson Cheung

10h00 11) A Fast-Track Referral System for Early Cardiology Imaging Consultant Advice and TOE in Suspected Infective Endocarditis to Reduce Diagnostic Delays in District General Hospitals. *Dushyant Maradia (UK)*

12) Sutureless Aortic Valve Replacement versus Transcatheter Aortic Valve Implant under General Anaesthesia: a single Center Experience. *Laura Viola (UK)*

10h30 *Coffee*

ABSTRACT PRESENTATIONS: PARALLEL SESSIONS:

Chairs: Dr Bart Meuris, Mr Renzo Pessotto



Session A

11h00

- 13) Quadricuspid Aortic Valve with Moderate Ascending Aortic Dilatation.
Boris Zrnic (Croatia)
- 14) Comparison of Outcomes Following Valve-in-Valve TAVI Versus Surgical ReDo Aortic Valve Replacement.
Serena Patel (UK)
- 15) Emergency Valve-in-Valve TAVI for Endocarditic Bioprosthetic Degeneration.
Amir Fathi (UK)
- 16) Open-heart transcatheter aortic valve-in-valve and mitral valve-in-ring implantation in a patient with degenerated bio-prosthesis and high surgical risk *Saima Azam (UK)*
- 17) Single Dose HTK versus Multi-Dose Blood Cardioplegia in Minimally Invasive Aortic Valve Replacement,
Adam Paine (UK)
- 18) Sutureless Aortic Bioprostheses - The Barts Experience
Amr Metwalli (UK)
- 19) Hypocalcemia after Cardiac Surgery.
Sinead Mackay (UK)
- 20) Successful Medical Treatment of *Listeria Monocytogenes* Bioprosthetic Aortic Valve Endocarditis Using Second Line Antibiotics.
Jonathan Lazari (UK)
- 21) Surgical Cut-Down versus Percutaneous Approach: Which is the Best Choice to Avoid Vascular Complications in Patients undergoing Transfemoral TAVI? *Fabrizio Ceresa (Italy)*

ABSTRACT PRESENTATIONS: PARALLEL SESSIONS: Chairs: Dr Nick Cruden, Mr Kelvin Lim

SESSION B

- 22) Vascular Access Site Complications after Transfemoral Transcatheter Aortic Valve Implantation: Surgical Approach versus Complete Percutaneous Approach using ProGlide Closure Device, *Jan Rychter (Poland)*
- 23) Three-Dimensional Printing for Assessment of Paravalvular Leak in TAVI *Casey Thorburn (Canada)*
- 24) Clinical Outcome of the First 117 cases of Personalised External Aortic Root Support (PEARS): *Lucas Van Hoof (Belgium)*



INTERNATIONAL TAVI CONGRESS,
THE AORTIC VALVE MEETING 2020

28TH FEBRUARY – 1ST MARCH 2020, SURGEONS QUARTER, EDINBURGH, SCOTLAND



- 25) Aortic Stenosis and Coexisting Cardiac Amyloidosis: To TAVI or not to TAVI. *Niromila Nadarajan (UK)*
- 26) Sutureless Aortic Valve Replacements in High Risk Patients: Long-term Follow Up. *Nikolaos Schizas (Greece)*
- 27) Lesser Invasive Aortic Valve Replacement (AVR) – Is it safe? *Muhaned El-Gheryani (UK).*
- 27) Sutureless Sorin Perceval versus Rapidly deployed Edwards Intuity Elite: Short and medium term outcomes comparison in a single centre experience. *Nader Moawad (UK)*
- 28) Perceval Sutureless Aortic Valve Prosthesis in Multiple Valve Surgery makes Complex Procedures Safer. *Delphine Szecel (Italy)*
- 29) “Groundhog Day”: Re-Re-Re-Redo AVR for Recurrent Valve Dehiscence. *Ross Roberts-Thomson (UK)*
- 30) Outcomes of Surgical Treatment of Aortic Root Endocarditis, LHCH experience. *Firas Aljanadi (UK)*

13h00 *Meeting close*

Please contact admin@internationalTAVIcongress.com for tickets for dinner on Friday 28 February, and Saturday 29 February.