Minimally Invasive Techniques in Adult Cardiac Surgery
Course Directors: P Suwalski, Warsaw; V Falk, Berlin and P Sardari Nia, Maastricht

20-22 June 2017
Warsaw, Poland

Raising Standards through Education and Training
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**Course Programme**

**Live Cases**

1. Minimally invasive aortic valve replacement through partial sternotomy  
   P Suwalski, Warsaw
2. Minimally invasive aortic valve replacement through minithoracotomy  
   J Kempfert, Berlin
3. Transfemoral transcatheter valve implantation  
   A Unbehaun, Berlin & R Gil, Warsaw
4. Minimally invasive Bentall De Bono procedure  
   P Suwalski, Warsaw

**Part I: Minimally invasive aortic valve surgery**

*Moderators: V Falk, Berlin & P Sardari Nia, Maastricht*

- Surgical aortic valve replacement – still a gold standard?  
  P Suwalski, Warsaw
- Limited invasiveness in aortic valve replacement – current status and evidence  
  V Falk, Berlin
- Minimally invasive aortic valve surgery – patient and access selection  
  P Sardari Nia, Maastricht
- Update on rapid deployment valves  
  A Diegeler, Bad Neustadt
- Less invasive approach to thoracic aorta surgery  
  J Staromlynski, Warsaw
- Aortic valve repair – state of the art  
  T Holubec, Bad Nauheim
- Training and troubleshooting in minimally invasive aortic valve replacement  
  V Bapat, London

**Part II: Transcatheter aortic valve management**

*Moderators: T Walther, Bad Nauheim; A Witkowski, Warsaw & M Zembala, Zabrze*

- Transcatheter aortic valve implantation – what is in the pipeline?  
  To be announced
- Current data on transcatheter aortic valve implantation  
  M Zembala, Zabrze
- Role of surgery in the era of transcatheter aortic valve implantation  
  T Walther, Bad Nauheim
- Transcatheter aortic valve implantation – complications management  
  V Falk, Berlin
- Valve-in-valve, valve-in-ring – as easy as it sounds?  
  V Bapat, London
- Transfemoral transcatheter aortic valve implantation – schooling of a new surgeon  
  A Unbehaun, Berlin

**SimCity (17:00-18:30)**

An opportunity to practice your minimally invasive techniques and skills using a wide range of technologies and equipment under the expert guidance of our faculty and Industry partners.
Wednesday 21 June (08:00-17:00)

Live Cases
5. Thoracoscopic mitral valve repair (periarereolar access)  
   J Kempfert, Berlin
6. Minimally invasive mitral and tricuspid valve repair (minithoracotomy)  
   P Suwalski, Warsaw
7. Redo minimally invasive tricuspid valve repair  
   P Suwalski, Warsaw

Part III: Minimally invasive management of atrioventricular valves I
Moderators: V Falk, Berlin; H Treede, Halle & K Widenka, Rzeszow
Current techniques and evidence in minimally invasive mitral valve surgery  
V Falk, Berlin
Echocardiographic imaging of mitral and tricuspid valves  
C Walther, Bad Nauheim
Anesthesia in minimally invasive surgery  
D Drobinski, Warsaw
Troubleshooting and visualisation  
K Widenka, Rzeszow
Periareolar thoracoscopic versus minithoracotomy video-assisted access  
R Smocznynski, Warsaw
Valve repair – prototyping and simulation  
P Sardari Nia, Maastricht
Transapical chords for beating heart mitral repair (Live-in-a-box and brief update)  
K Bartus, Cracow & J Seeburger, Leipzig
Mitral clip – technique, indications and outcomes  
J Seeburger, Leipzig

Thursday 22 June (08:00-16:00)

Live Cases
8. Totally thoracoscopic bilateral epicardial ablation (TT MAZE)  
   N Doll, Stuttgart
9. Stand-alone thoracoscopic left atrial appendage occlusion  
   P Suwalski, Warsaw
10. Coronary bypass grafting using mini extracorporeal circuit and endoscopic graft harvest  
   P Suwalski, Warsaw

Part V: Arrhythmia surgery
Moderators: S Benussi, Zurich; S Stec, Rzeszow & T Weimar, Stuttgart
Update on percutaneous treatment of atrial fibrillation  
S Stec, Rzeszow
Evolution and challenges in concomitant surgical ablation  
T Weimar, Stuttgart
Stand-alone surgical ablation for atrial fibrillation  
S Hunter, Sheffield
Current and future technologies in stand-alone surgical ablation  
MO Zembala, Zabrze
Position of atrial fibrillation surgery after the new ESC/EACTS guidelines  
S Benussi, Zurich
Arrhythmia Heart Team  
P Suwalski & S Stec, Warsaw

Part VI: Left atrial appendage occlusion (LAAO)
Moderators: S Hunter, Sheffield; D Kosior, Warsaw & P Suwalski, Warsaw
Left atrial appendage occlusion – rationale, indications and outcomes  
M Emmert, Zurich
Live-in-a-box: Thoracoscopic left atrial appendage occlusion concomitant to endoscopic coronary artery bypass grafting (EACAB)  
P Suwalski, Warsaw
Left atrial appendage closure in different surgical scenarios  
S Hunter, Sheffield
Stand-alone epicardial left atrial appendage occlusion – need for registry  
A Witkowska, Warsaw
Live-in-a-box: Left atrial appendage occlusion using hybrid approach  
K Bartus, Cracow

Part VII: Coronary revascularisation
Moderators: N Bonaros, Innsbruck & R Gil, Warsaw
Hybrid coronary revascularisation – rationale behind it  
N Bonaros, Innsbruck
What further data do we need in hybrid revascularisation?  
MO Zembala, Zabrze
Live-in-a-box: Hybrid coronary revascularisation  
R Gil & P Suwalski, Warsaw
Update on mini extracorporeal circuit in clinical practice (MECC)  
To be announced

Programme subject to change.
Course Information

Course Directors
P Suwalski, Warsaw
V Falk, Berlin
P Sardari Nia, Maastricht

Course Format
3 day interactive lectures, live-in-a-box videos and live surgical cases.

Course Overview
Focused on technical aspects of different minimally invasive procedures, the course is designed to provide the participants with a platform and a basis for starting the same programme at their own institute. To emphasize the success of the teamwork approach, cardiologists, perfusionists and anaesthesiologists will contribute through keynote presentations, live-in-a-box videos and live surgical case transmissions in order to demonstrate the technical aspects of the new procedures.

Target Audience
Cardiac surgeons; cardiologists; cardiac anaesthesiologists; perfusionists; residents and fellows.

Learning Objectives
1. Review and indications of the following techniques:
   - Minimally access aortic valve replacement
   - Minimally invasive mitral valve surgery
   - Thoracoscopic atrial fibrillation and LAA occlusion surgery
   - Transcatheter aortic valve therapies
   - Minimally invasive coronary revascularisation
2. Tips and tricks of above techniques with live surgery of each procedure
3. Hands-on with simulators

Course Fees
Members €450 inclusive of VAT
Non-Member €550 inclusive of VAT

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