



Minimally Invasive Techniques in Adult Cardiac Surgery

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

Aorta
Transplantation

Academy Training

Oncology
Arterial Grafting
techniques

EMCO
Surgical
Pectus

Congenital
Coronary
revascularisation

Aortic
Cardiac
Surgery
Vascular

Thoracic
Cardio-Thoracic
Valve Surgery






20-22 June 2017

Warsaw, Poland

Tuesday 20 June (08:00-17:00)

Live Cases

1. Minimally invasive aortic valve replacement through partial sternotomy 
2. Minimally invasive aortic valve replacement through minithoracotomy 
3. Transfemoral transcatheter valve implantation
4. Minimally invasive Bentall De Bono procedure 

*P Suwalski, Warsaw
J Kempfert, Berlin
A Unbehaun, Berlin & R Gil, Warsaw
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?
Limited invasiveness in aortic valve replacement – current status and evidence
Minimally invasive aortic valve surgery – patient and access selection
Update on rapid deployment valves
Less invasive approach to thoracic aorta surgery
Aortic valve repair – state of the art
Training and troubleshooting in minimally invasive aortic valve replacement

*P Suwalski, Warsaw
V Falk, Berlin
P Sardari Nia, Maastricht
A Diegeler, Bad Neustadt
J Staromlynski, Warsaw
T Holubec, Bad Nauheim
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?
Current data on transcatheter aortic valve implantation
– searching for scientific and clinical accuracy
Role of surgery in the era of transcatheter aortic valve implantation
Transcatheter aortic valve implantation – complications management
Valve-in-valve, valve-in-ring – as easy as it sounds?
Transfemoral transcatheter aortic valve implantation – schooling of a new surgeon

*To be announced




M Zembala, Zabrze
T Walther, Bad Nauheim
V Falk, Berlin
V Bapat, London
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.



Live Cases

5. Thoracoscopic mitral valve repair (periareolar access) 
6. Minimally invasive mitral and tricuspid valve repair (minithoracotomy) 
7. Redo minimally invasive tricuspid valve repair 

*J Kempfert, Berlin
P Suwalski, Warsaw
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

Echocardiographic imaging of mitral and tricuspid valves

Anesthesia in minimally invasive surgery

Troubleshooting and visualisation

Periareolar thoracoscopic versus minithoracotomy video-assisted access

Valve repair – prototyping and simulation

Transapical chords for beating heart mitral repair (**Live-in-a-box** and brief update)

Mitral clip – technique, indications and outcomes

*V Falk, Berlin
C Walther, Bad Nauheim
D Drobinski, Warsaw
K Widenka, Rzeszow
R Smoczynski, Warsaw
P Sardari Nia, Maastricht
K Bartus, Cracow & J Seeburger, Leipzig
J Seeburger, Leipzig*

Part IV: Minimally invasive management of atrioventricular valves II

Moderators: V Bapat, London; T Hirnle, Bialystok & J Kempfert, Berlin

Tricuspid valve surgery – techniques and evidence on minimally invasiveness

Transcatheter techniques for atrioventricular valves management – update and future




Transcatheter technology for mitral valve-in-valve and valve-in-ring solutions

Setting in redo minimally invasive mitral and/or tricuspid valve surgery

Surgery for other indications using minimally invasive “mitral” setting

*M Deja, Katowice
H Treede, Halle
V Bapat, London
J Kempfert, Berlin
P Suwalski, Warsaw*

Live Cases

8. Totally thoracoscopic bilateral epicardial ablation (TT MAZE) 
9. Stand-alone thoracoscopic left atrial appendage occlusion 
10. Coronary bypass grafting using mini extracorporeal circuit and endoscopic graft harvest 

*N Doll, Stuttgart
P Suwalski, Warsaw*

Part V: Arrhythmia surgery

Moderators: S Benussi, Zurich; S Stec, Rzeszow & T Weimar, Stuttgart

Update on percutaneous treatment of atrial fibrillation

Evolution and challenges in concomitant surgical ablation

Stand-alone surgical ablation for atrial fibrillation

Current and future technologies in stand-alone surgical ablation

Position of atrial fibrillation surgery after the new ESC/EACTS guidelines

Arrhythmia Heart Team

*S Stec, Rzeszow
T Weimar, Stuttgart
S Hunter, Sheffield
MO Zembala, Zabrze
S Benussi, Zurich
P Suwalski & S Stec, Warsaw*

Part VI: Left atrial appendage occlusion (LAO)

Moderators: S Hunter, Sheffield; D Kosior, Warsaw & P Suwalski, Warsaw

Left atrial appendage occlusion – rationale, indications and outcomes

Live-in-a-box: Thoracoscopic left atrial appendage occlusion concomitant to endoscopic coronary artery bypass grafting (EACAB) 

Left atrial appendage closure in different surgical scenarios

Stand-alone epicardial left atrial appendage occlusion – need for registry

Live-in-a-box: Left atrial appendage occlusion using hybrid approach

*M Emmert, Zurich


P Suwalski, Warsaw
S Hunter, Sheffield
A Witkowska, Warsaw
K Bartus, Cracow*

Part VII: Coronary revascularisation

Moderators: N Bonaros, Innsbruck & R Gil, Warsaw

Hybrid coronary revascularisation – rationale behind it

What further data do we need in hybrid revascularisation?

Live-in-a-box: Hybrid coronary revascularisation 

Update on mini extracorporeal circuit in clinical practice (MECC)

*N Bonaros, Innsbruck
MO Zembala, Zabrze
R Gil & P Suwalski, Warsaw
To be announced*

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