

EACTS Academy Skills Programme

The variety of technology-driven procedures is ever increasing. The evolution towards less invasive and the introduction of advanced techniques to treat complex Cardio-Thoracic diseases has created an ongoing educational need amongst practicing surgeons. Training in advanced techniques and technology is a necessity and no longer a luxury for the practicing surgeon.

As techniques are regularly introduced by industry partners, EACTS strongly believes that it has a responsibility to provide appropriate training to optimise patient outcome and patient safety. Training in surgical skills should not be the obligation of industry alone.

The EACTS Academy is pleased to offer advanced training programmes in surgical skills and has collaborated with surgeons experienced with certain procedures to develop these training programmes.

One short course is insufficient to fully comprehend a new therapy. The EACTS Skills Programme will offer up to four separate modules for instruction where one can obtain different competencies. Each programme will address the spectrum of skill levels and allows surgeons to begin training at their level of expertise.

The EACTS Skills Programme will each have up to five learning modules. The first three modules can be taken in any order, but a progressive order is best.

1. A course on surgical anatomy, physiology and principles of surgical and non-surgical treatment in the specific area at the EACTS House in Windsor. Competency to be acquired: knowledge and comprehension, decision-making, Medical Professionalism, Evidence and Guidelines, Principles of Quality and Safety Improvement
2. A "professional challenge session" at the Annual Meeting. This module will offer keynote lectures on the state of the art of the specific technique with experts, followed by a demonstration of the technique by video or live surgery and a discussion on complications that may arise when applying this technique. Competency to be acquired: critical thinking, decision-making, Principles of Quality and Safety Improvement
3. A course of 2 - 3 days "on site" in a hospital with a large experience of the technique. This module will offer interactive discussions with experts in the field and demonstration by live surgery on how the technique can be applied. The module may also include a "hands-on" aspect in a simulated environment. Competency to be acquired: knowledge, medical expert
4. The opportunity to visit an EACTS accredited centre a certain period of time to participate in the operating room as an observer or with a "hands-on" aspect in a real-world environment. Competency to be acquired: technical skills, medical expert, Principles of Quality and Safety Improvement
5. Clinical proctoring in the trainee's own centre; today a surgeon is obliged to receive proctoring before obtaining unrestricted hospital privileges to perform the new procedure, the trainee should demonstrate the awareness of competencies. Competency to be acquired: technical skills, medical expert, Principles of Quality and Safety Improvement

The EACTS Skills Programme on the Mitral and Tricuspid Valve

28th EACTS Annual Meeting:

Understanding the Mitral Valve, Monday 13 October 2014 08:30-11:45 - Milan, Italy
Catheter Based Mitral Interventions - The Mitral Going Transcutaneous, Tuesday 14 October 2014 08:15-11:45 - Milan, Italy

Advanced Course on the Mitral and Tricuspid Valve:

19-21 November 2014 - Munich Heart Centre, Germany

Functional Mitral and Tricuspid Regurgitation Course:

20-21 February 2015 - EACTS House, Windsor, UK

A list of accredited centres and proctors is being developed



Advanced Course on the Mitral and Tricuspid Valve

Course Director: Rüdiger Lange MD

Academy
ECMO Surgical Thoracic
Oncology Pectus Cardio-Thoracic
Congenital Training Valve Surgery
Coronary revascularisation Aorta Transcatheter
Heart Disease Transplantation techniques
Arterial Grafting Aortic
Vascular Cardiac Surgery

19-21 November 2014

Munich Heart Centre, Germany

Raising Standards through Education and Training

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Advanced Course on the Mitral and Tricuspid Valve

This progressive course brings together world leading figures in mitral valve disease to discuss the interdisciplinary approach to evolving information around diagnostics and advanced imaging of mitral valve disease, state of the art mitral valve repair techniques, minimally invasive and interventional approaches and long term outcomes.

This 2-day interactive course will be conducted at the Munich Heart Centre on 19-21st November with Rüdiger Lange, MD serving as Course Director and David Adams, MD, Hugo Vanermen, MD, Robert Klautz, MD, Francesco Maisano, MD, Nicolo Piazza, MD and Randy Martin, MD participating on the interdisciplinary faculty.

Focusing on the technical aspects of mitral surgery and interventions, the course will emphasise the success of teamwork through demonstration of six challenging live cases; debates around controversial areas of mitral and tricuspid management and the future of mitral valve repair.

Cardiac Surgeons and Cardiologists will have the opportunity to collaborate and determine the optimal approach and timing for mitral and tricuspid valve disease and discuss the clinical data supporting management of functional and degenerative mitral valve disease as well as participate in wetlabs.

Course Programme

Day 1 - Wednesday 19 November

12:00-14:00	Registration and Lunch Hands-on wetlab, demonstration of pathologic specimens
14:00	ANATOMY, PATHOLOGY, IMAGING, INDICATION Moderators: S Bleiziffer, Munich; R Martin, Atlanta; H Schunkert, Munich Welcome - P Kappetein, Rotterdam; R Lange, Munich
14:10-16:40	Presentations Atrioventricular valve - valve anatomy and correlation with echocardiographic planes - P Tassani & R Putz, Munich; C Fischke, Bad Wiesse Pre-operative echo analysis for indication and procedural planning - C Fischke, Bad Wiesse The relevance of intraoperative transesophageal echocardiography for surgical repair - P Tassani, Munich Imaging of the mitral valve: New insights from CT/Echo data - N Piazza, Montreal Indications for surgery: The guidelines and beyond - F Maisano, Zürich Mitral valve repair in asymptomatic patient? - R Martin, Atlanta Mitral valve disease - etiology and lesions - D Adams, New York Teaching and the role of sub-specialization in cardiothoracic surgery - P Kappetein, Rotterdam
17:00	Wrap up of the day and adjourn
Evening	Dinner at leisure

Day 2 - Thursday 20 November

08:00-12:30	MORNING SESSION: BASIC PRINCIPLES OF REPAIR, DEGENERATIVE AND FUNCTIONAL MITRAL DISEASE, RESULTS Moderators: T Hanke, Lübeck; R Martin, Atlanta; H Vanermen, St Lucs Live surgery - 2 live cases will be transmitted - D Adams, New York; R Lange, Munich
08:00-09:00	Case and Echo presentations
09:00-12:30	Presentations Exposure, retractors, cannulation, myocardial protection - R Klautz, Leiden Quadrangular, triangular, or no resection for P2 prolapse - H Vanermen, St Lucs What is the best method to handle ischemic functional MR? Remodel, rebuild, or resist? - R Klautz, Leiden Intra-operative residual mitral regurgitation: When to correct, when to neglect? - R Martin, Atlanta Long term results of repair for degenerative mitral valve disease - N Piazza, Montreal Importance of exercise testing in MR Patients - R Martin, Atlanta When and how to address atrial fibrillation? - T Hanke, Lübeck Review of morning cases
12:30-13:30	Lunch
13:30-18:00	AFTERNOON SESSION: BASIC PRINCIPLES OF REPAIR, DEGENERATIVE AND FUNCTIONAL MITRAL DISEASE, RESULTS Moderators: D Adams, New York; R Martin, Atlanta; N Piazza, Montreal Live surgery - 2 live cases will be transmitted - D Adams, New York; R Lange, Munich
13:30-14:30	Case and Echo presentations
14:00-18:00	Presentations Concomitant tricuspid disease: Criteria for surgical repair - R Lange, Munich Basic techniques of repair for degenerative mitral valve disease - D Adams, New York Limits of mitral valve repair: When to say no - R Martin, Atlanta Redo mitral valve repair - D Adams, New York Prevention of SAM, the central theme for repair - R Lange, Munich Key complications of mitral valve repair - S Bleiziffer, Munich Techniques & long term results in anterior and bileaflet prolapse - D Adams, New York
16:50	Review of afternoon cases
18:00	Wrap up of the day and adjourn
19:30	Group and faculty dinner

Day 3 - Friday 21 November

08:00-14:00	SPECIAL TECHNIQUES, MINIMAL ACCESS, ENDOSCOPIC, INTERVENTIONAL Moderators: F Maisano, Zürich; R Martin, Atlanta; S Sano, Okayama Live surgery - 2 live cases will be transmitted - D Adams, New York; R Lange, Munich
08:00-09:00	Case and Echo presentations
09:00-11:50	Presentations Propensity matched comparison: Minimal access vs full sternotomy - R Lange & T Günther, Munich Annuloplasty ring undersizing: Why, when and how much? - R Klautz, Leiden Specific techniques for AV-valve repair in neonates and infants - S Sano, Okayama Minimally invasive mitral valve repair: Tips and tricks - B Voss, Munich Role of endoscopic surgery in mitral repair - H Vanermen, St Lucs Techniques for interventional mitral valve repair - F Maisano, Zürich From TAVI to interventional mitral replacement - N Piazza, Montreal
11:50	Review of morning cases
13:00	Closing remarks - R Lange, Munich

Live cases will be observed and didactic presentations made based on case progression in the OR

Advanced Course on the Mitral and Tricuspid Valve

 19-21 November 2014

Course Format

2 days, consisting of 2 half days (Wednesday 19 and Friday 21 November) and one full day (Thursday 20 November).

- Hands on wetlab
- Interactive audience and faculty discussions
- Lectures sharing peer to peer experience and tips and tricks
- Live surgical cases transmitted from 2 operating theatres
- Live-in-a-Box recorded cases

Learning Objectives

The course will address knowledge and technical skills.
At the end of the course, surgeons should feel comfortable using the the knowledge they have learned in their own units.

Target Audience

Cardiac surgeons, interested in advancing their mitral repair and tricuspid repair techniques, interventional cardiologists, echo cardiologists.

Faculty

David Adams, New York	Randolph Martin, Atlanta
Sabine Bleiziffer, Munich	Nicolo Piazza, Montreal
Christian Fischke, Bad Wiesse	Reinhard Putz, Munich
Thomas Günther, Munich	Shunji Sano, Okayama
Thorsten Hanke, Lübeck	Christian Schreiber, Munich
Pieter Kappetein, Rotterdam	Heribert Schunkert, Munich
Robert Klautz, Leiden	Peter Tassani, Munich
Rüdiger Lange, Munich	Hugo Vanermen, St Lucs
Francesco Maisano, Zürich	Bernhard Voss, Munich

Course Fees

EACTS Member €550
Non-Member €650



To register for this course visit

www.eacts.org