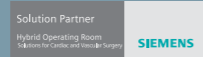
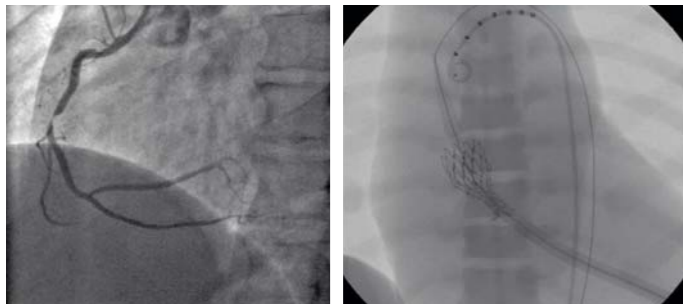


projections, the right selection and handling of catheter materials, complication management, and transcatheter valve technologies. To further enhance your learning experience, we are committed to keeping our course groups small, so you benefit from the highly individualized support of this highly experienced team of cardiologists and cardiac surgeons.

Siemens AG and Medtronic support this course within the scope of their customer education programs.

We are looking forward to welcoming you there!

Dr. A. Jönsson, Dr. F. Maisano,
Prof. W. Voelker and Team



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EDGE

Expand your skills. Control your future.



Intensive hands-on training with individual professional support

New transcatheter technologies for the treatment of valvular heart diseases have been introduced to the medical world. These emerging procedures require cardiac surgeons to understand the new processes and technologies being used in the cath lab or hybrid OR and to acquire new skills that are pre-requisites for performing these procedures safely.

Practical, interactive hands-on training in small learning groups and friendly surroundings is widely recognized as one of the most successful methods to learn and master new techniques. In an effort to create a comprehensive training course for those cardiac surgeons interested in moving into the field of transcatheter technologies, Prof. Voelker, an interventional cardiologist, together with Dr. Jönsson and Dr. Maisano, both cardiac surgeons, have worked together to design this unique 2-day training course.

Over the past 4 years, Prof. Voelker's simulation-based training has offered cardiologists the unique opportunity to enhance their skills in interventional cardiac procedures from basic diagnostics to complex treatment procedures. Dr. Jönsson and Dr. Maisano have already conducted several hands-on training courses to introduce cardiac surgeons to guidewires, catheters and imaging technologies. The combined knowledge and experience of these physicians, together with the usage of simulation and real imaging devices assures that participants of this course will experience first-class training on transcatheter technologies.

In simulated cath lab conditions you will extend your "know-how" in transcatheter technologies, from accessing and closing the vessels, angiographic

Imaging, Transcatheter Techniques and Technologies for Cardiac Surgeons

Individual training & hands-on simulation
Siemens Educational Center, Forchheim, Germany

Answers for life.

SIEMENS

Your lecturers

Anders Jönsson, MD

Consultant Cardiac Surgeon, Dept. of Cardiothoracic Surgery, Karolinska University Hospital Stockholm, Sweden

Francesco Maisano, MD

Consultant Cardiac Surgeon, Dept. of Cardiothoracic Surgery, Istituto Scientifico San Raffaele Milan, Italy

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Francesco Maisano, MD



Georg Nollert, MD



Norbert Rahn



Carine Schorochoff



Wolfgang A. Schöbel, MD



Elisabeth Schulze-Brexel, RT



Wolfram Voelker, MD



Topics

Seminar

- Choosing the right guidewire/catheter
- Procedural action (access, puncture, wires, flushing techniques...closing)
- Optimized angiography imaging
- Basic principles of radiation protection
- Prevention of complications
- Procedural steps for transcatheter procedures
- Transcatheter technologies for aortic valve therapies
- Transcatheter technologies for mitral valve therapies

Individual hands-on training

- Guidewire/catheter handling
- Vascular access and closure
- Puncture, wire and gate insertion
- Dealing with complications
- Selection of right projections
- Exercise for radiation protection
- Implantation of transcatheter valve

Simulators and angiography systems

- Cathi Simulator (procedural steps)
- Immersion simulator (transapical and – femoral implantation of aortic valve)
- Ledge model (vascular access)
- Coronary model (real X-Ray imaging)
- Monoplane and biplane angiography systems (Artis **zee** and **zeego**, Siemens)

Quotes from the last Imaging, Transcatheter Techniques and Technologies Workshop for Cardiac Surgeons

“Small groups and direct contact to the experts made this workshop a great training opportunity.”

“Great to meet cardiothoracic surgeons and interventional cardiologists at one workshop. The dedication of the trainers was very high!”

“Perfect: small group size for hands-on training.”

“Very expert and motivated presenters.”

Training systems

- CATHI simulation system
www.cathi-online.com
- CoroSim simulation system
www.mecora.de
- Immersion simulation system
www.immersion.com/medical/products/endovascular/index.php
- Siemens angiography systems
www.siemens.com/artis-zee

CATHI simulation system



CoroSim simulation system



Immersion simulation system



Artis zee



Course details

Target group

Cardiovascular surgeons interested in getting a thorough introduction into transcatheter technologies and the cath lab/hybrid OR environment.

Fee

990.00 €

Fee includes: all course materials, refreshments, lunch and dinner. The course fee does not include travel and accommodations. For hotel accommodations, the Hotel Plaza (www.plaza-forchheim.com), is recommended due to its close proximity to the training center.

Date

Ask your local Medtronic or Siemens representative for upcoming course dates.

Place

Siemens AG, Healthcare Sector, Angiography, Fluoroscopic and Radiographic Systems Educational Center, Siemensstraße 1, 91301 Forchheim, Germany

Participants

Max. 15 participants per course

Course language

English

Contact/Registration

Siemens

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Medtronic

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