

Imaging, Transcatheter Techniques and Technologies for Cardiac Surgeons

Hands-on workshop dedicated to cardiac surgeons successfully introduced.

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 prerequisites for performing procedures safely. In order to give cardiac surgeons

a very broad training opportunity, Siemens has started a cooperation with Medtronic. Medtronic's experience in cardiac surgery and Siemens' experience in imaging techniques bring together the two most important topics for cardiac surgeons. In order to give the cardiac surgeons the ideal opportunity to get hands-on experience with our state-of-the-art imaging systems, the course is held at our headquarter in Forchheim. The new course gives attendees a unique opportunity to gain extensive hands-on experience by using cutting-edge simulation technologies. Simulators from Cathi and Immersion, for example, together with vascular access and closure models and the CoroSim, a pulsatile heart model, create an authentic cath lab/OR atmosphere. The course was designed to include theoretical parts, from choosing the right guidewire, over optimized angiography imaging and radiation protection to transcatheter technologies for mitral and aortic valve therapies, as well as hands-on parts, including vascular access and closure techniques, guidewire and

catheter handling, the implantation of transcatheter valves and dealing with complications.

The international team of experienced cardiac surgeons and cardiologists including Prof. Voelker, interventional cardiologist, University Hospital Würzburg, Dr. Maisano, Instituto San Raffaele, Milan and Dr. Jönsson, Karolinska University Hospital, Stockholm, both cardiac surgeons, share their experience as well as tips and tricks with the participants.

As we saw in our past courses the practical, interactive hands-on training in small learning groups and a friendly mistake-tolerant atmosphere is widely recognized as one of the most successful methods to learn and master new techniques. "In the clinical routine, there is often not enough time for precise teaching in the cath lab. At the center in Forchheim, on the other hand, workshop participants can take their time working through all functions of the radiographic devices and simulation models", says Prof. Voelker.

"The simulators and the information from experts prepared me well for the routine of a percutaneous valve replacement." confirms Prof. Ensminger, cardiac surgeon from the University Hospital of Erlangen in Germany.



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Prof. Ensminger, M.D., Ph.D., cardiac surgeon from the University Hospital Erlangen, Germany

Next date: February 18-19, 2010

For further information and registration, please contact axiom.educate.healthcare@siemens.com

