Making the most of your investment

San Diego, CA Clinical Education Symposium

In today’s competitive and dynamic healthcare climate, it is critical to use your medical imaging systems to their fullest potential. At Philips, we believe clinical education is key to getting the most out of your investment. It is vital that staff stay current on the latest clinical procedures and technologies. With that in mind, our comprehensive clinical education programs are designed to support clinical excellence, increase use of advanced system features, instill physician confidence in the quality of exams, enhance workflow and productivity, and foster professional growth and teamwork – ultimately, to deliver an outstanding patient experience.

**Location and date**
Sheraton San Diego Hotel and Marina
1380 Harbor Island Drive
San Diego, CA 92101

March 21-25, 2017

**Registration**
Register via phone at 1-800-522-7022 or online at www.learningconnection.philips.com/en/ultrasound-clinical-education-symposiums
- Select the symposium and your course(s)
- Complete the online registration form
Clinical Education

Our team of highly skilled Clinical Education Specialists delivers and supports our courses in a unique learning environment of small class sizes, small student-to-instructor ratios and small student-to-system ratios. Our instructors train with luminaries in the field to understand how our technology is applied in daily patient care settings. The Philips team has educated more than 25,000 customers since 2008.

Ultrasound in Critical Care (POC218)
March 21, 2017
The intense, comprehensive one-day course focuses on the use of ultrasound in critical care settings. Attendees will explore four topics relating to ultrasound as a diagnostic tool in both the emergency room and critical care units. Hands-on workshops will include the use of live models as well as ultrasound phantoms for peripheral vascular and central line access. 7.5 CEUs

Advanced Customer Training Vascular EPIQ (VASC222)
March 21, 2017
The one-day course provides an introduction to vascular image optimization and acquisition on the EPIQ ultrasound system. The course will also cover a variety of advanced features which improve diagnostic confidence and workflow. Educational material will be presented in the form of lectures as well as instructor led hands-on scanning sessions. 6.5 CEUs

Fetal Echocardiography University (GI-WHC308)
March 21, 2017
This is a one-day, physician-led advanced course that will provide the learner a comprehensive overview of the clinical applications, techniques and interpretation of Fetal Echo imaging to aid in the diagnosis of structural malformations of the heart. 7.75 CEUs

Pediatric Ultrasound University (GI309)
March 21, 2017
The one-day, physician-led course will provide the learner a comprehensive overview of the clinical applications, techniques and interpretation of a variety of Pediatric Ultrasound exams. Common pitfalls and imaging challenges will be explained to help reduce the likelihood of misinterpretation in order to increase diagnostic confidence. 7.75 CEUs

Ultrasound Guided Peripheral Vascular Access (POC116)
March 21, 2017 (Evening Class 6-8 pm)
The course will review the anatomy and sonographic appearance of the upper extremity peripheral veins often used for vascular access. Attendees will review the steps in performing ultrasound guided vascular access for intravenous (IV) cannulation. Using vascular access phantoms, attendees will also have the opportunity to perform needle access under ultrasound guidance. 1.5 CEUs

Comprehensive 3D Imaging and Interventions of the Mitral Valve (CV324)
March 21-22, 2017
During this two-day course, participants will be introduced to 3D image acquisition for mitral valve disease. Non-invasive and invasive cardiologists, sonographers, cardiac anesthesiologists and cardiac surgeons will gain insight into clinical applications of this technique and a process to incorporate this technology into daily clinical practice. A broad spectrum of clinical applications of 3D TEE will be covered, including 3D assessment of the normal and abnormal mitral valve. 14 CEUs

Live 3D TEE Practical Application (CV320)
March 21-22, 2017
Live 3D TEE provides cardiologists, anesthesiologists, and cardiac surgeons with innovative, inspiring and realistic views to aid in patient care. The two-day course includes lectures, case presentations, informal discussions, and hands-on workshops. In addition, wet lab porcine heart dissections enhance understanding of 3D cardiac anatomy. 9.5 CEUs

Practical Ultrasound for Field Service and Biomedical Personnel (FUN204)
March 22, 2017
The Philips Clinical Education full day course is designed for individuals looking to learn the fundamentals of ultrasound imaging. It focuses on delivering the knowledge and practical skill for obtaining basic cardiac, vascular and abdominal ultrasound images. The course includes lectures and hands-on scan workshops. Program topics include transducer manipulation, image acquisition, sonographic windows, 2D and Doppler image optimization techniques, and analysis tools. 6.75 CEUs

Central Line Placement with Ultrasound (POC110)
March 22, 2017 (Evening Class 6-8 pm)
Central Line Placement with Ultrasound (POC110) The course reviews the central venous anatomy including femoral, jugular, and subclavian veins. Attendees will also review ultrasound protocol for imaging and identification of the central veins before, during and after needle insertion. Technical approach and pitfalls are also discussed. Using vascular access phantoms, attendees will also have the opportunity to perform central line placement under ultrasound guidance. 1.5 CEUs
Introduction to Musculoskeletal Imaging (GI-MSK206)
March 22-23, 2017
This two-day program provides the basic fundamental information necessary to acquire knowledge and skill in performing musculoskeletal ultrasound exams. Educational material will be presented in the form of detailed lectures as well as supervised hands-on scanning sessions. **11.5 CEUs**

Advanced Customer Training General Imaging 2D & 3D EPIQ* (GI213)
March 22-23 and 23-24, 2017
This two-day program provides a solid foundation in the principles and clinical application for general imaging, obstetrics and basic vascular exams on the EPIQ ultrasound machine.

**Day one** — Provides an introduction to image optimization and acquisition on the EPIQ ultrasound system. The course will also cover a variety of advanced features which improve diagnostic confidence and workflow. Educational material will be presented in the form of lectures as well as instructor-led hands-on scanning sessions. **5 CEUs**

**Day two** — Provides an introduction to the Volume Imaging applications of the EPIQ ultrasound system. Participants will learn 3D image acquisition, optimization and manipulation on EPIQ through detailed lectures and instructor-led hands-on scanning workshops. The course also provides an overview of xMATRIX technology and functionality including Panoramic Volume Imaging. **5.50 CEUs**

Live 3D in Complex Congenital Heart Disease (CV310)
March 23, 2017
The one-day course is designed to provide pediatric cardiologists, adult congenital cardiologists and cardiac sonographers with the fundamental skills required to obtain and analyze high-quality live transthoracic 3D images of complex congenital heart issues. **5.75 CEUs**

Critical Care Lung Ultrasound (POC114)
March 23, 2017 (Evening Class 6-8 pm)
The course reviews the use of ultrasound to identify lung and pleural space abnormalities including pleural effusion, pneumothorax, atelectasis, and lung consolidation. Learners will also review the clinical criteria and process for ultrasound guided chest tube insertion and the BLUE protocol (Bedside Lung Ultrasound in Emergency) for acute respiratory failure in critical care. Attendees will have the opportunity to practice the FAST protocol on live models. **1.5 CEUs**

Principles and Essentials of Live 3D Echocardiography (CV360)
March 23–24, 2017
The two-day class is designed to provide cardiologists, cardiac anesthesiologists and cardiac sonographers with the understanding of how Live 3D technology contributes to patient care, what conditions and procedures are diagnosed and facilitated by Live 3D technology, and how to apply Live 3D, xPlane and 3D data analysis in the cath lab and in the OR for those interventional and operative procedures. **14.5 CEUs**

Volume Imaging – The GYN Patient (GI-WHC305)
March 24, 2017
This is a one-day, physician-led course that will provide the learner with information on the technology and technique of 3D/4D volume imaging including the sonographic appearance of gynecological variants. Educational material will be presented in the form of lectures, case presentations, data manipulation and scanning sessions. **6.75 CEUs**

FAST Exams (Focused Assessment with Sonography in Trauma) (POC112)
March 24, 2017 (Evening Class 6-8 pm)
The course reviews the clinical indication for ultrasound use in traumatic injury, the appropriate sonographic views in the FAST protocol, and normal and abnormal sonographic findings. Ultrasound views discussed include: the right sided Morrison’s pouch, the left périclespic view, imaging of the pericardium and the pelvis. Attendees will have the opportunity to practice the FAST protocol on live models using Philips ultrasound imaging systems. **1.5 CEUs**
Musculoskeletal Ultrasound University (GI-MSK306)
March 24-25, 2017
The Musculoskeletal Ultrasound University is a two-day, physician-led course that will provide a comprehensive overview of the practical applications, techniques, and interpretation of MSK imaging. **11.5 CEUs**

Live 3D Transesophageal Echocardiography of Congenital Heart Disease (CV328)
March 24-25, 2017
The two-day course is designed to provide pediatric cardiologists, adult congenital cardiologists and cardiac sonographers with the fundamental skills required to obtain and analyze high-quality Live 3D TEE images. Educational material will be presented in the form of lectures, case presentations, informal discussions and hands-on image manipulation that will provide a thorough introduction into the fundamentals of Live 3D TEE and its practical clinical application. **15 CEUs**

Mitral Valve Imaging (CV361)
March 25, 2017
The one-day course is designed to provide heart surgeons, interventional cardiologists, non-interventional cardiologists, cardiac anesthesiologists and cardiac sonographers with the fundamental skills required to obtain and analyze high-quality Live 3D TEE images. The course focuses on image acquisition and analysis needed for interventional Mitral Valve procedures. **8 CEUs**

Advanced Fetal Doppler Assessment (GI-WHC304)
March 25, 2017
This is a one-day course that will provide the learner with information on the clinical applications and techniques of fetal Doppler evaluation and interpretation. **7.5 CEUs**

Basic Fetal Echocardiography (GI-WHC208)
March 25, 2017
The one-day program provides the basic fundamental information necessary to acquire knowledge and skill in performing Fetal Echocardiography Ultrasound exams. Lecture topics will include cardiac embryology and circulation, cardiac anatomy and scanning protocol, color and spectral Doppler of the fetal heart and common fetal cardiac anomalies. **7.75 CEUs**

* Customer can take one or both days