Clinical Education

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.

Making the most of your investment

Austin, TX Clinical Education Symposium

Location and date
Omni Austin Hotel at Southpark
4140 Governors Row
Austin, TX 78744

February 4-8, 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.

**Understanding Myocardial Mechanics (CV350)**
February 4, 2017
The one-day course is designed to provide cardiologists and sonographers with the fundamental skills required to analyze high-quality 2D images for myocardial performance. This is the first Philips course solely dedicated to the assessment of myocardial mechanics and strain imaging by speckle tracking echocardiography (STE). The course includes both basic and advanced teaching of myocardial function and is designed for physicians and sonographers that are interested in improving their skills in the interpretation of strain imaging. **5 CEUs**

**Prenatal Diagnosis to Fetal Intervention: The Role of Advanced Ultrasonography (WHC311)**
February 4, 2017
The one-day, physician-led course will provide the learner a comprehensive overview of the clinical applications, techniques and interpretation of 3D/4D ultrasonography to aid in the diagnosis and intervention of fetal anomalies. Educational material will be presented in the form of detailed lectures as well as supervised hands-on scanning sessions. **7.75 CEUs**

**Breast Ultrasound Advanced Customer Training (GI-WHC204)**
February 4, 2017
The one-day course consists of advanced and intensive training to provide information necessary to acquire knowledge as it applies to the application of breast ultrasound. Educational material will be presented in the form of lectures as well as instructor led hands-on scanning sessions. **6 CEUs**

**Liver Elastography University (GI310)**
February 4, 2017
The Liver Elastography University is a one-day course that will be co-delivered by a physician and the Ultrasound Clinical Education Specialists. The course will provide an overview of image optimization and a review of general liver ultrasound including color and pulsed Doppler. Additionally, the physician-led portion will provide a comprehensive overview of the practical applications, techniques and interpretation of Liver Elastography. **8.5 CEUs**

**Ultrasound Guided Peripheral Vascular Access (POC116)**
February 4, 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**

**Musculoskeletal Ultrasound University (GI-MSK306)**
February 4-5, 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**

**Comprehensive Live 3D TEE (CV322)**
February 4-5, 2017
The two-day course is designed to provide healthcare providers with a comprehensive view of the use of Live 3D TEE. Three-dimensional TEE will be discussed for all cardiology uses. Emphasis will be placed on mitral and aortic valvular disease, although all four valves will be thoroughly discussed. The use of 3D TEE for planning TAVR as well as during the implantation of TAVR will be highlighted. Quantification of vascular disease, particularly mitral will be discussed including QLAB use. **14.5 CEUs**

**Understanding Myocardial Mechanics 2 (CV351)**
February 5, 2017
The one-day course begins with a review of the basic understanding and essential measurements required for the assessment of diastolic function. Technical aspects including how to obtain quality tracings and measurements will prepare the attendee for the live scanning sessions. In addition, the program will include cases demonstrating concordant and discordant information and how to troubleshoot diagnosis. Live scanning workshops will demonstrate what and where to measure for diastolic evaluations. **5 CEUs**

**Breast Ultrasound University (GI-WHC307)**
February 5, 2017
The Breast Ultrasound University is a one-day, physician-led course that will provide a comprehensive overview of the practical applications, techniques and interpretation of breast ultrasound, including breast elastography. **7.75 CEUs**

**Central Line Placement with Ultrasound (POC110)**
February 5, 2017 (Evening Class 6-8 pm)
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**
Advanced Customer Training Vascular EPIQ (VASC222)
February 6, 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

Ultrasound in Critical Care (POC218)
February 6, 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

Critical Care Lung Ultrasound (POC114)
February 6, 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 perform lung ultrasound on live models. 1.5 CEUs

EPIQ 3D University Essentials (CV303)
February 6-8, 2017
The three-day course is designed to provide a solid foundation in Live 3D echocardiography for physicians and cardiac sonographers who are new 3D users. The course provides a spectrum of situations both physicians and sonographers can use and reference. By increasing familiarity with clinical applications of Live 3D echocardiography, students develop a comfort level to make 3D part of their scanning protocols. 14 CEUs

Evaluation of Stents with Ultrasound (VASC202)
February 7, 2017
The full-day course for noninvasive vascular diagnosis specialists is developed to meet the climbing need to standardize performance protocols and diagnostic criteria for noninvasive vascular stent evaluations. The course includes lectures, interactive case study presentations and a hands-on scanning session. 8 CEUs

Advanced Customer Training Cardiovascular 2D & 3D Live EPIQ (CV213)*
February 5-6 and 7-8, 2017
This two-day program provides a solid foundation in the principles and clinical applications for cardiac analysis on the EPIQ ultrasound system.

Day one – This class is an introduction to image optimization and acquisition on the EPIQ ultrasound system as well as QLAB 2D quantification. 5.5 CEUs

Day two – This class is an introduction to xMATRIX technology and functionality on the EPIQ system. Participants will learn 3D image acquisition and optimization on EPIQ during live scanning workshops. 6 CEUs

Advanced Customer Training General Imaging 2D & 3D EPIQ* (GI213)
February 5-6 and 7-8, 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. 5.5 CEUs

Volume Imaging – The GYN Patient (GI-WHC305)
February 6, 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
Extracranial Vascular Duplex Imaging (VASC205)  
February 7, 2017  
This Philips Clinical Education one-day course for noninvasive vascular ultrasound technologists is an ideal way for sonographers to learn how to image the carotid arteries. Lectures will provide essential background information and a supervised hands-on workshop will help each attendee master the fundamentals of performing a carotid duplex scan. 7 CEUs

FAST Exams (Focused Assessment with Sonography in Trauma) (POC112)  
February 7, 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 perisplenic 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

EPIQ 3D University Essentials – Congenital Edition (CV304)  
February 7-8, 2017  
This two-day course is designed to provide a solid foundation in Live 3D echocardiography for physicians and cardiac sonographers who are new 3D users. This course provides a spectrum of situations both physicians and sonographers can use and reference. By increasing familiarity with clinical applications of Live 3D echocardiography, students develop a comfort level to make 3D part of their scanning protocols. 10.75 CEUs

Peripheral Venous Duplex Sonography (VASC333)  
February 8, 2017  
The one-day, physician-led course will be delivered through lectures, case studies and interactive hands-on sessions. Peripheral Venous Duplex sonography is a non-invasive method used to evaluate the venous anatomy of the limbs, the central veins of the head and neck, the pelvic veins and the inferior vena cava. This method of evaluation is a very useful tool for the identification of superficial and deep venous thrombosis, venous insufficiency assessment, and vein mapping for venous grafting. 7 CEUs

Practical Ultrasound for Field Service and Biomedical Personnel (FUN204)  
February 8, 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

* Customer can take one or both days

For more information visit  
www.learningconnection.philips.com/ultrasound

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