TARGET AUDIENCE

This program is designed to meet the needs of those practitioners of radiology who perform and interpret ultrasound examinations, sonographers who perform ultrasound under the supervision of a radiologist and radiology residents and fellows.

Learning Objectives:

• Demonstrate how experts solve a wide range of clinical questions using ultrasound and how they diagnose patients with common symptoms in the emergency department.

• Review new technologies in sonographic imaging such as elastography and contrast enhanced scans, compare them with other sonographic technologies and technologies such as magnetic resonance imaging, and evaluate if and how the new technologies can be incorporated into the individual’s practice.

• Describe the role of ultrasound in the evaluation and management of thyroid nodules including an introduction to the ACR TIRADS. Examine additional areas in the neck where ultrasound can contribute to patient work-up and management.

• Identify the contributions of ultrasound in interventional procedures in the liver, kidney, chest, vascular system, and musculoskeletal system.

• Review the obstetrical ultrasound findings, measurements and interventions in single and multiple gestations, including the findings in Zika infection and the value and role of 3D ultrasound.

• Evaluate and discuss sonography of the musculoskeletal system including the major joints, peripheral nerves, and extremity masses.

• Evaluate sonography in women’s imaging including the discussion of the breast, endometrium, myometrium, and ovaries.

• Review the range sonographic technologies applicable to the evaluation of liver masses and diffuse liver disease, including standard grey-scale, Doppler, contrast enhanced, elastography, and interventional.

• Discuss and evaluate sonography of the bowel, spine, organ transplants, and soft tissue masses, and contrast enhanced ultrasound as they specifically apply to the pediatric population.

At the completion of this course, participants will be able to understand basic and advanced techniques in ultrasound imaging, and recognize and apply the techniques for advanced diagnosis and improved management.
CONTINUING MEDICAL EDUCATION

ACCREDITATION STATEMENT This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education through the joint providership of the American College of Radiology and the Society of Radiologists in Ultrasound. The American College of Radiology is accredited by the ACCME to provide continuing medical education for physicians.

CREDIT DESIGNATION STATEMENT The American College of Radiology designates this live activity for a maximum of 16.75 AMA PRA Category 1 Credit(s)™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

The American College of Radiology designates this educational activity as meeting the criteria for up to 17.75 Category A credit hours.

SAM

Select sessions from this activity meet the American Board of Radiology criteria for a self-assessment (SAM) activity and is designated for up to 6 SAM credits.

PROGRAM COMMITTEE : William D. Middleton, MD, Chair Nirvikar Dahiya, MD, Vice Chair Wui K. Chong, MD, MD, PhD Peter Doubilet, MD, PhD Helena Gabriel, MD Barbara S. Hertzberg, MD Mark Lockhart, MD Tara Morgan, MD John S. Pellerito, MD Kathryn Robinson, MD Sheila Sheth, MD Sharlene A. Teeffey, MD Jason M. Wagner, MD Valerie L. Ward, MD, MPH Stephanie Weinstein, MD Maitray D. Patel, MD Exec. Bd. Liaison, Deborah Levine, MD, Ex-Officio, President

FACULTY Presenters at this activity will disclose any relevant financial relationships at the beginning of their presentation. In addition, the information will appear in the meeting syllabus.