

2020 Classic Lectures in Clinical Ultrasound

Release Date: June 15, 2020 | 31.75 *AMA PRA Category 1 Credit(s)*TM

About This CME Teaching Activity

This classic series is a comprehensive clinically focused review of diagnostic ultrasound. Basic to advanced imaging applications including ob-gyn, abdominal, musculoskeletal, pediatric and vascular applications provide a well-rounded review of ultrasound imaging techniques. The faculty share tips, protocols, and advice on how to avoid pitfalls through actual clinical experiences.

Target Audience

This CME activity is designed to educate those who order, perform, and interpret clinical ultrasound studies. It should be particularly valuable for diagnostic imaging physicians, ob-gyn physicians, vascular surgeons, and referring physicians who utilize ultrasound to evaluate the clinical status of their patients.

Scientific Sponsor

Educational Symposia

Accreditation

Physicians: Educational Symposia is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

Educational Symposia designates this enduring material for a maximum of 31.75 *AMA PRA Category 1 Credit(s)*TM. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

SA-CME: Credits awarded for this enduring activity are designated "SA-CME" by the American Board of Radiology (ABR) and qualify toward fulfilling requirements for Maintenance of Certification (MOC) Part II: Lifelong Learning and Self-assessment.

All activity participants are required to take a written or online test in order to be awarded credit. (Exam materials, if ordered, will be sent with your order.) All course participants will also have the opportunity to critically evaluate the program as it relates to practice relevance and educational objectives.

***AMA PRA Category 1 Credit(s)*TM
for this activity may be claimed until June 14, 2023.**

This CME activity was planned and produced by Educational Symposia, a leader in continuing medical education since 1975.

This activity was planned and produced in accordance with the ACCME Essential Areas and Elements.

Educational Objectives

At the completion of this CME teaching activity, you should be able to:

- Expand clinical protocols for evaluating the vascular system.
- Discuss the role of ultrasound imaging in the diagnosis and management of breast disease.
- Utilize ultrasound to assess patients with abdominal and pelvic disorders.
- Demonstrate an increased knowledge into the applications of Doppler imaging.
- Apply modern imaging techniques to clinical practice.
- Incorporate ultrasound imaging techniques to evaluate the musculoskeletal system.

No special educational preparation is required for this CME activity.

Faculty

Alfred Abuhamad, M.D.

*Professor and Chairman
Department of Obstetrics and Gynecology
Vice Dean for Clinical Affairs
Eastern Virginia Medical School
Norfolk, VA*

Richard G. Barr, M.D., Ph.D., FACR, FSRU

*Professor of Radiology
Northeastern Ohio Medical University
Southwoods Imaging
Youngstown, OH*

Beryl R. Benacerraf, M.D.

*Professor of Obstetrics, Gynecology and Reproductive Biology, Part-time Institution
Brigham and Women's Hospital
Department of Obstetrics Gynecology & Repro. Bio.
Harvard Medical School
Boston, MA*

Carol B. Benson, M.D.

*Director of Ultrasound and Co-Director of High-Risk Obstetrical Ultrasound,
Brigham and Women's Hospital
Professor of Radiology, Harvard Medical School
Boston, MA*

George L. Berdejo, BA, RVT, FSVU

*Director, Outpatient Vascular Ultrasound Services
White Plains Hospital
White Plains, NY*

Bryann Bromley, M.D.

*Professor of Obstetrics, Gynecology and Reproductive Biology; part-time
Massachusetts General Hospital
Harvard Medical School
Boston, MA*

Brian D. Coley, M.D.

*Radiologist-in-Chief
Department of Radiology and Medical Imaging
Cincinnati Children's Hospital Medical Center
Professor-aff
Departments of Radiology and Pediatrics
University of Cincinnati College of Medicine
Cincinnati, OH*

Natalie Evans, M.D.

*Harrington Heart and Vascular Institute
University Hospitals
Cleveland, OH*

Heather L. Gornik, M.D., RVT, RPVI

*Co-Director, Vascular Center
University Hospitals
Cleveland, OH*

Edward G. Grant, M.D., FACR

*Professor and Chairman
Department of Radiology
Keck Hospital of USC
USC Norris Cancer Center
University of Southern California
Los Angeles, CA*

Esther S.H. Kim, M.D., MPH, RPVI

*Associate Professor of Medicine
Division of Cardiovascular Medicine
Vanderbilt Heart and Vascular Institute
Nashville, TN*

William D. Middleton, M.D., FACR

*Professor of Radiology
Section of Abdominal Imaging & Diagnostic Ultrasound
Mallinckrodt Institute of Radiology
Washington University School of Medicine
St. Louis, MO*

Lawrence D. Platt, M.D.

*Director Center for Fetal Medicine and Women's Ultrasound
Professor (Clinical) Ob Gyn David Geffen School of Medicine at UCLA
Los Angeles, CA*

Deborah J. Rubens, M.D.

*Professor and Associate Chair
Department of Imaging Sciences
Professor
Department of Biomedical Engineering
University of Rochester Medical Center
Rochester, NY*

Leslie M. Scouff, M.D.

*Professor of Radiology, Surgery & Cardiology
Vice Chair for Education, Department of Radiology & Biomedical Imaging
Medical Director of the Non-Invasive Vascular Lab
Yale School of Medicine
New Haven, CT*

Elena Sinkovskaya, M.D., Ph.D.

*Associate Professor of Obstetrics and Gynecology
Director of Ultrasound Research & Education
Division of Maternal-Fetal Medicine
Eastern Virginia Medical School
Norfolk, VA*

Thomas C. Winter, III, M.D., FACR

*Professor of Radiology and OB-Gyn
Director of Body Imaging
University of Utah School of Medicine
Salt Lake City, UT*

R. Eugene Zierler, M.D.

*Professor of Surgery
University of Washington School of Medicine
Medical Director, D. E. Strandness Jr. Vascular Laboratory
University of Washington Medical Center and Harborview Medical Center
Seattle, WA*

Program

General (G): 4.75 • **Abdomen (A):** 1.75 • **Small Parts (SP):** 3.0 • **Vascular (V):** 12.75

Obstetrics (OB): 6.5 • **Gynecology (GYN):** 2.5

Session 1

- V Carotid US: Update
Leslie M. Scoutt, M.D.
- V Fundamentals: The Carotid Duplex Exam
Heather L. Gornik, M.D., RVT, RPVI
- V Evolution of Carotid Diagnostic Criteria
R. Eugene Zierler, M.D.
- V Update on IAC Carotid Diagnostic Criteria Project
Heather L. Gornik, M.D., RVT, RPVI

Session 2

- V Advanced Carotid Ultrasound: Pitfalls and Waveform Analysis
Leslie M. Scoutt, M.D.
- V Non Atherosclerotic Carotid Disorders
Esther S. H. Kim, M.D., MPH, RPVI
- V Assessment of Vertebral Arteries and Arch Vessels in the Vascular Lab
Leslie M. Scoutt, M.D.
- V Fundamentals: Arterial Duplex and Physiological Testing for Native and Revascularized Arteries
Heather L. Gornik, M.D., RVT, RPVI

Session 3

- V Doppler Faux Pas and Pitfalls
Deborah J. Rubens, M.D.
- V Doppler Waveform Nomenclature: From Chaos to Standardization
Esther S. H. Kim, M.D., MPH, RPVI
- V Evaluation of Upper Extremity Arterial Disorders in the Vascular Lab
Natalie Evans, M.D.
- V Ultrasound Evaluation of the Aorta
Leslie M. Scoutt, M.D.

Session 4

- V Screening and Follow-up of AAA - A Guideline Based Approach
Heather L. Gornik, M.D., RVT, RPVI
- V Endoleak Detection after EVAR
George L. Berdejo, B.A., RVT
- V Duplex Criteria for Native and Stented Mesenteric and Renal Arteries
R. Eugene Zierler, M.D.
- V 5 Top Tips on Renal Artery Imaging
George L. Berdejo, B.A., RVT
- V Vascular Emergencies
Leslie M. Scoutt, M.D.

Session 5

- V Introduction to Contrast Enhanced Ultrasound
Edward G. Grant, M.D., FACR
- V, A Contrast Enhanced Ultrasound of the Liver
Edward G. Grant, M.D., FACR
- V, A Contrast Enhanced Ultrasound of the Kidney
Richard G. Barr, M.D., Ph.D., FACR, FSRU
- V Leg Pain and Swelling: It's Not Just About DVT
Leslie M. Scoutt, M.D.

Session 6

- V Duplex Evaluation of Pelvic Venous Disorders
R. Eugene Zierler, M.D.
- V Fundamentals: Venous Duplex Exam for Diagnosis of Lower and Upper Extremity DVT
Heather L. Gornik, M.D., RVT, RPVI
- V, A Hepatoportal Doppler and Evaluation of Liver Transplants
Leslie M. Scoutt, M.D.

Session 7

- V Mapping Prior to Dialysis Access Creation
George L. Berdejo, B.A., RVT
- V Assessment of Hemodialysis Access in the Vascular Lab
Leslie M. Scoutt, M.D.
- G Right Upper Quadrant Pain
Deborah J. Rubens, M.D.
- G Ultrasound Evaluation of Advanced Gallbladder Disease
William D. Middleton, M.D., FACR

Session 8

- G Liver Elastography
Richard G. Barr, M.D., Ph.D., FACR, FSRU
- G Ultrasound Evaluation of Transplant Recipients
Deborah J. Rubens, M.D.
- SP Scrotal Masses
Thomas C. Winter III, M.D., FACR

Session 9

- SP Ultrasound Evaluation of the Parathyroid Glands
William D. Middleton, M.D., FACR
- SP Thyroid Ultrasound and Fine Needle Aspiration
Carol B. Benson, M.D.
- SP Ultrasound Evaluation of the Salivary Glands
William D. Middleton, M.D., FACR
- SP TI-RADS
Edward G. Grant, M.D., FACR

Program

General (G): 4.75 • **Abdomen (A):** 1.75 • **Small Parts (SP):** 3.0 • **Vascular (V):** 12.75

Obstetrics (OB): 6.5 • **Gynecology (GYN):** 2.5

Session 10

- G Ultrasound Evaluation of the Pediatric Spine
Brian D. Coley, M.D.
- G Emergency Pediatric Ultrasound
Brian D. Coley, M.D.
- G Interesting Abdominal Ultrasound Cases
Thomas C. Winter, III, M.D.

Session 11

- OB 1st Trimester Ultrasound
Leslie M. Scoutt, M.D.
- OB Optimizing Your Approach to the First Trimester Ultrasound Examination
Alfred Abuhamad, M.D.
- OB First Trimester and Pregnancy of Uncertain Viability (IPUV)
Carol B. Benson, M.D.
- OB First Trimester Ultrasound and the Fetal Central Nervous System
Elena Sinkovskaya, M.D., Ph.D.

Session 12

- OB The Face and Neck in Early Gestation
Beryl R. Benacerraf, M.D.
- OB Fetal Cardiac Imaging in the First Trimester
Alfred Abuhamad, M.D.
- OB Skeletal Abnormalities in Early Gestation
Lawrence D. Platt, M.D.
- OB Fetal GU Ultrasound
Thomas C. Winter, III, M.D.

Session 13

- GYN Characterizing Adnexal Masses in Early Gestation
Beryl R. Benacerraf, M.D.
- OB Ultrasound Markers of Placenta Accreta in Early Gestation
Bryann Bromley, M.D.
- OB The Placenta & Umbilical Cord in Early Gestation
Elena Sinkovskaya, M.D., Ph.D.
- OB Obstetric Sonography: Dos and Don'ts
Thomas C. Winter, III, M.D.

Session 14

- GYN Ultrasound of the Endometrium and SIS
Thomas C. Winter, III, M.D.
- GYN Pelvic Pain
Leslie M. Scoutt, M.D.
- GYN Hemorrhagic Cysts and Ovarian Torsion
Deborah J. Rubens, M.D.

Session 15

- GYN Biopsies
Thomas C. Winter III, M.D.
- GYN Ovarian Masses: The Role of Ultrasound
Carol B. Benson, M.D.
- OB Soft Markers for OB
Thomas C. Winter III, M.D.

