

2021 Noninvasive Vascular Imaging

Release Date: September 15, 2021 | 17.0 AMA PRA Category 1 Credit(s)TM

About This CME Teaching Activity

This CME activity offers a comprehensive review of recent developments and issues in noninvasive vascular imaging. Faculty discuss state-of-the-art ultrasound and Doppler techniques used to evaluate the abdominal and peripheral arterial and venous vascular systems. In addition, diagnostic pearls and pitfalls, associated with noninvasive vascular imaging are discussed.

Target Audience

This CME Activity is intended and designed to offer educational opportunities to radiologists, vascular surgeons, cardiologists, sonographers, and other clinicians interested in learning more about noninvasive vascular ultrasound.

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 17.0 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 September 14, 2024.

This program is planned and organized by Educational Symposia, a leader in accredited continuing 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:

- Discuss the newest techniques in the noninvasive diagnosis of endovascular disease, including venous and carotid imaging.
- Assess new developments in vascular imaging.
- Discuss the utility of ultrasound and Doppler imaging when used to evaluate the aorta, carotid arteries, and peripheral vascular system.
- Utilize ultrasound to evaluate abdominal transplants, endostents, bypass grafts and dialysis fistula.
- Utilize ultrasound to evaluate the venous system of the upper and lower extremities.
- Describe the appropriate role of ultrasound in the evaluation of the renal, mesenteric and hepatic arteries.

No special educational preparation is required for this CME activity.

Faculty

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

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

John S. Pellerito, M.D., FACR, FAIUM, FSRU

*Vice Chair, Education
Department of Radiology, Northwell Health
Professor, Departments of Radiology and
Science Education
Zucker School of Medicine at Hofstra/Northwell
Hempstead, NY*

Patricia A. (Tish) Poe, BA, RVT, FSVU

*Vascular Ultrasound Educator and Consultant
Athens, GA*

Joseph F. Polak, M.D., MPH, FACR, FAIUM

*Director, Ultrasound Reading Center
Professor of Radiology, Tufts University School
of Medicine
Adjunct Professor of Radiology, Boston University
School of Medicine
Boston, MA*

Margarita Revzin, M.D., MS, FAIUM

*Associate Professor of Radiology and
Biomedical Imaging
Yale School of Medicine
New Haven, CT*

R. Eugene Zierler, M.D., RPVI

*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

Session 1

Doppler Blood Flow Imaging and Spectral Analysis

John S. Pellerito, M.D., FACR, FAIUM, FSRU

Hemodynamics of Vascular Disease

Joseph F. Polak, M.D., MPH

Doppler Waveform Interpretation

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

Carotid Artery Protocols

Patricia A. (Tish) Poe, BA, RVT, FSVU

Session 2

Technical Tricks and Tips for Carotid Evaluation

Patricia A. (Tish) Poe, BA, RVT, FSVU

Interpreting the Carotid Examination: Stenosis Grading

Joseph F. Polak, M.D., MPH

Challenging Carotid Cases

Margarita Revzin, M.D., MS, FAIUM

Session 3

Carotid Duplex - Beyond Atherosclerosis

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

Duplex Evaluation after Carotid Endarterectomy and Carotid Stenting

R. Eugene Zierler, M.D., RPVI

Session 4

How to Interpret Difficult and Uncommon Carotid Findings

John S. Pellerito, M.D., FACR, FAIUM, FSRU

Vascular Complications of COVID-19 Infection

Margarita Revzin, M.D., MS, FAIUM

The Other Carotid Criteria (CCA, ECA, Vertebrals)

R. Eugene Zierler, M.D., RPVI

Session 5

Technique and Protocols for Venous Examination

Patricia A. (Tish) Poe, BA, RVT, FSVU

Pathophysiology of Extremity Venous Disease

Joseph F. Polak, M.D., MPH

Sonographic Diagnosis of Extremity DVT

Margarita Revzin, M.D., MS, FAIUM

Chronic Venous Disease and Venous Ablation

Joseph F. Polak, M.D., MPH

Session 6

Physiologic Testing in Peripheral Arterial Disease

R. Eugene Zierler, M.D., RPVI

Work-Related Musculoskeletal Disorders in Sonography (WRMSDS)

Patricia A. (Tish) Poe, BA, RVT, FSVU

Session 7

Peripheral Arterial Duplex Criteria

John S. Pellerito, M.D., FACR, FAIUM, FSRU

Upper Extremity Arterial Duplex

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

Assessment of Peripheral Arterial Pathologies

Margarita Revzin, M.D., MS, FAIUM

Session 8

Evaluation and Treatment of Pseudoaneurysms and Arteriovenous Fistulas

John S. Pellerito, M.D., FACR, FAIUM, FSRU

Follow-up of Peripheral Arterial Bypass Grafts and Stents

R. Eugene Zierler, M.D., RPVI

Duplex Evaluation of Dialysis Access

Patricia A. (Tish) Poe, BA, RVT, FSVU

Interesting Vascular Cases

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

Session 9

Ultrasound Assessment of the Abdominal Aorta

Joseph F. Polak, M.D., MPH

Duplex Follow-up of EVAR

R. Eugene Zierler, M.D., RPVI

Renal Artery Duplex Examination

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

Doppler Evaluation of the Mesenteric Arteries

Margarita Revzin, M.D., MS, FAIUM

Session 10

Doppler Evaluation of Portal Hypertension

John S. Pellerito, M.D., FACR, FAIUM, FSRU

Examination of Renal Transplants

Margarita Revzin, M.D., MS, FAIUM

Vascular Applications of Ultrasound Contrast Agents

John S. Pellerito, M.D., FACR, FAIUM, FSRU

A CME Teaching Activity

2021 Noninvasive Vascular Imaging

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