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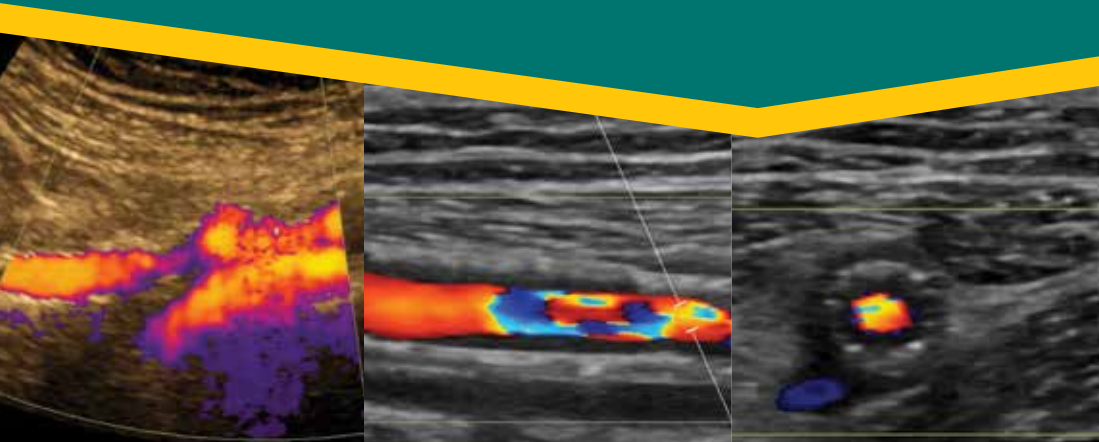
A CME Teaching Activity

2019 Noninvasive Vascular Imaging

Designated for SA-CME

IAC ACCREDITATION

All or a portion of this educational activity may meet the CME requirements for IAC Vascular Testing accreditation.



16.25 AMA PRA Category 1 Credit(s)TM

Release Date: September 1, 2019

ESI Educational
Symposia

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About This CME Teaching Activity

This CME activity offers a comprehensive review of recent developments and issues in noninvasive vascular imaging. Throughout the program faculty address state-of-the-art ultrasound and Doppler techniques and how they are used to evaluate the cerebrovascular, abdominal and peripheral vascular systems. In addition, diagnostic pearls and pitfalls, credentialing requirements, venous testing and the clinical applications of transcranial Doppler 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 16.25 *AMA PRA Category 1 Credit(s)*[™]. 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)[™] for this activity may be claimed until August 31, 2022.

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:

- 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, 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 and hepatic arteries.

No special educational preparation is required for this CME activity.

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Laboratory
University of Washington Medical Center and
Harborview Medical Center
Seattle, WA

Carotid Duplex

Session 1

Fundamentals: The Carotid Duplex Exam
Heather L. Gornik, M.D., RVT, RPVI

Evolution of Carotid Diagnostic Criteria
R. Eugene Zierler, M.D.

Update on IAC Carotid Diagnostic
Criteria Project
Heather L. Gornik, M.D., RVT, RPVI

Assessment of Vertebral Arteries and Arch
Vessels in the Vascular Lab
Leslie M. Scoutt, M.D.

Session 2

Non Atherosclerotic Carotid Disorders
Esther S.H. Kim, M.D., MPH, RPVI

Fundamentals of the TCD Examination
Larry N. Raber, RDMS, RVT, RT(R)

Panel: Our Most Interesting Carotid
Cases of the Year
Moderator: Heather L. Gornik, M.D., RVT, RPVI
Panelists: Esther S.H. Kim, M.D., MPH, RPVI,
Larry N. Raber, RDMS, RVT, RT(R),
Leslie M. Scoutt, M.D.,
R. Eugene Zierler, M.D.

Peripheral Arterial Duplex

Session 3

Fundamentals: Arterial Duplex and Physiological
Testing for Native and Revascularized Arteries
Heather L. Gornik, M.D., RVT, RPVI

Doppler Waveform Nomenclature:
From Chaos to Standardization
Esther S.H. Kim, M.D., MPH, RPVI

Management of PAD:
New Developments in Medical Therapy
Natalie Evans, M.D.

Guidelines for Follow-up after
Arterial Procedures
R. Eugene Zierler, M.D.

Session 4

Evaluation of Upper Extremity Arterial Disorders in the Vascular Lab

Natalie Evans, M.D.

Our Most Interesting Arterial Cases of the Year

Moderator: Leslie M. Scoutt, M.D.

Panelists: Natalie Evans, M.D.

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

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

R. Eugene Zierler, M.D.

Maximizing Quality in the Vascular Lab

Too Many Images: Over Documentation in the Vascular Lab

Natalie Evans, M.D.

Lab Management Panel: Pearls of Wisdom on Running a Vascular Lab

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

Panelists: Natalie Evans, M.D.

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

Leslie M. Scoutt, M.D.

R. Eugene Zierler, M.D.

Abdominal/Visceral

Session 5

Screening and Follow-up of AAA - A Guideline Based Approach

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

Endoleak Detection after EVAR

George L. Berdejo, B.A., RVT

Duplex Criteria for Native and Stented Mesenteric and Renal Arteries

R. Eugene Zierler, M.D.

5 Top Tips on Renal Artery Imaging

George L. Berdejo, B.A., RVT

Panel: Our Most Interesting Abdominal Duplex Cases of the Year

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

Panelists: George L. Berdejo, BA, RVT, FSVU

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

Leslie M. Scoutt, M.D.

R. Eugene Zierler, M.D.

Advanced Applications

Session 6

Duplex Evaluation of Pelvic Venous Disorders

R. Eugene Zierler, M.D.

Advanced TCD Applications

Larry N. Raber, RDMS, RVT, RT(R)

Access Site Complications and Their Management

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

Hepatoportal Doppler and Evaluation of

Liver Transplants

Leslie M. Scoutt, M.D.

Venous

Session 7

Fundamentals: Venous Duplex Exam for Diagnosis of Lower and Upper Extremity DVT

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

Guideline Based DVT Management in 2019 - What the Vascular Lab Community Should Know

Natalie Evans, M.D.

Non-DVT "Must Knows" for a Reader of Venous Duplex Studies

Leslie M. Scoutt, M.D.

Session 8

Venous Reflux Testing Protocol, Technical Tips and Tricks

George L. Berdejo, B.A., RVT

Assessment of Hemodialysis Access in the Vascular Lab

Leslie M. Scoutt, M.D.

Mapping Prior to Dialysis Access Creation

George L. Berdejo, B.A., RVT

Panel: Our Most Interesting Venous Cases of the Year

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

Panelists: George L. Berdejo, BA, RVT, FSVU

Natalie Evans, M.D.

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

Leslie M. Scoutt, M.D.

Session 9

Introduction to Contrast Enhanced Ultrasound

Edward G. Grant, M.D., FACR

Contrast Enhanced Ultrasound of the Liver

Edward G. Grant, M.D., FACR

Contrast Enhanced Ultrasound of the Kidneys

Edward G. Grant, M.D., FACR

Session 10

Vascular Emergencies

Leslie M. Scoutt, M.D.

Carotid US: 2019 Update

Leslie M. Scoutt, M.D.

Leg Pain & Swelling: It's Not just About DVT

Leslie M. Scoutt, M.D.

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