

AVID symposium®

Advances in Vascular Imaging and Diagnosis

Friday and Saturday, November 22-23, 2019

30th Symposium & Workshops on Management and Clinical Issues



Symposium Chairs:

George L. Berdejo, BA, RVT, FSVU
Natalie A. Marks, MD, RPVI, RVT

Symposium Co-Chairs:

Ann Marie Kupinski, PhD, RVT, FSVU
Nicos Labropoulos, BSc (Med), PhD, DIC, RVT
Laurence Needleman, MD
Frank J. Veith, MD

Honorary Chair:

Anne M. Jones, RN, BSN, RVT, RDMS, FSVU, FSDMS

Sponsored by:

 **Cleveland Clinic**


Hilton

www.AVIDsymposium.org

SOCIETY FOR VASCULAR ULTRASOUND

2020 ANNUAL CONFERENCE & MARKETPLACE

August 6–8, 2020
Sheraton New Orleans Hotel
New Orleans, LA



REGISTRATION OPENS LATE FALL



AVID symposium®

Advances in Vascular Imaging and Diagnosis

30TH SYMPOSIUM AND WORKSHOPS ON MANAGEMENT AND CLINICAL ISSUES

FRIDAY AND SATURDAY
NOVEMBER 22 – 23, 2019

SYMPOSIUM CHAIRS

George L. Berdejo, BA, RVT, FSVU
Natalie A. Marks, MD, RPVI, RVT

SYMPOSIUM CO-CHAIRS

Ann Marie Kupinski, PhD, RVT, FSVU
Nicos Labropoulos, BSc (Med), PhD, DIC, RVT
Laurence Needleman, MD
Frank J. Veith, MD

HONORARY CHAIR

Anne M. Jones, RN, BSN, RVT, RDMS, FSVU, FSDMS

SYMPOSIUM MANAGING DIRECTOR

Jacqueline M. Simpson, BBA

SYMPOSIUM ASSOCIATE DIRECTOR

Steven J. Feld, MSW

WORKSHOP COORDINATORS

Fernando Amador, RVT
Richard Dubin, AAS-DMS, RVT, RDMS
Kelvin Portalatin, AA, RVT

CENTER FOR CONTINUING MEDICAL EDUCATION

Steven M. Kawczak, PhD

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AVID symposium®

Advances in Vascular Imaging and Diagnosis

SAVE THE DATE!

Friday and Saturday, November 20 and 21, 2020

31st Symposium & Workshops

on Management
and Clinical Issues

Symposium Chairs:

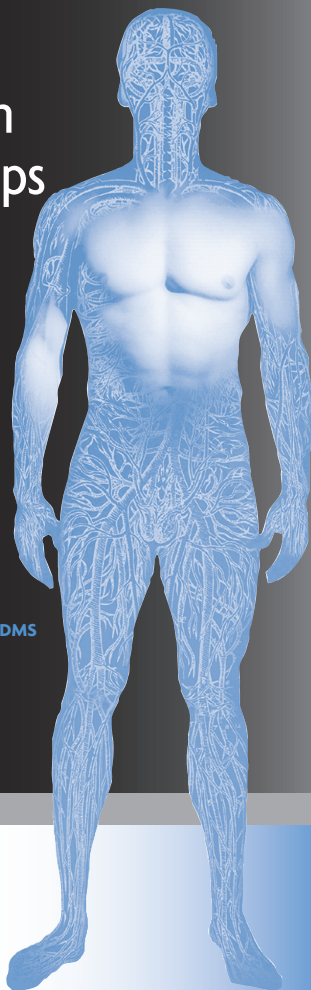
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GENERAL INFORMATION

7:00 A.M. General Registration – 2nd Floor Promenade
Faculty Registration – Morgan Suite, 2nd Floor

Plenary Sessions will be held in the Murray Hill Suites on the 2nd floor.

NEEDS ASSESSMENT

Peripheral Vascular Disease (PVD) in the U.S. affects approximately 8 million to 12 million patients a year; some experts in the field believe this may be underestimated. The disease is associated with significant cardiovascular morbidity and mortality, with a high rate of fatal and non-fatal cardiovascular events such as myocardial infarction, stroke, renal failure, limb amputations, abdominal aortic aneurysms, pulmonary embolus and progressive ischemic end-organ dysfunction.

Since atherosclerosis is the most common cause of PVD, patients with PVD have a rate of cardiovascular mortality that is 3 to 4 times higher than age-matched controls. The cardiac mortality in symptomatic PVD is estimated to be 50% at 10 years. The reduction in quality of life from global vasculopathy in many patients can thus be significant.

Prompt and accurate diagnosis of these disease processes is of utmost importance. The AVIDsymposium is designed to address this need by providing the vascular community with continuing medical education in this area. The latest pharmacologic, radiologic, surgical and endovascular techniques and technologies will be presented, along with discussions of when these treatments are justified and indicated and when they are not. Updates on clinical trials and opportunities for dialogue with experts in the field provide insight along with the latest data on the results of the various diagnostic and treatment modalities.

EDUCATIONAL OBJECTIVES

Advances in Vascular Imaging and Diagnosis 30th Symposium and Workshops on Management and Clinical Issues is an intensive two-day course designed to provide a comprehensive update on the diagnosis of vascular disease using real time B-mode imaging, color and spectral Doppler and other noninvasive techniques. The course will also address important issues in the area of Vascular Laboratory management, vascular ultrasound education, reimbursement and laboratory accreditation. An internationally renowned faculty has been assembled to provide the latest in their respective areas of expertise. This will be accomplished via didactic lectures and will be enhanced by ample time for faculty panel discussions designed to provide interaction with the audience. In addition, live scanning demonstrations and hands-on workshops will be supervised by known experts in their fields and will utilize leading edge equipment.

Following this continuing medical education activity, the participants will:

- Describe recent developments in vascular ultrasound technology
- Incorporate the Vascular Laboratory into the management of patients with vascular disease
- Identify and compare noninvasive tests that are available to aid in the diagnosis of vascular disease
- Identify current therapy and their roles for the effective management of peripheral arterial/venous disease; and carotid artery disease
- Utilize duplex ultrasound prior to, during and after endovascular procedures
- Apply issues regarding Vascular Laboratory management, reimbursement and accreditation to their practice.

TARGET AUDIENCE

This course is intended for:

- Vascular Technologists
- Sonographers
- Vascular Surgeons
- Radiologists
- Neurologists
- Vascular Nurses
- Vascular Interventionalists
- Medical and Ultrasound Students
- and other physicians and allied health professionals with an interest in the diagnosis and treatment of vascular disease.

GENERAL INFORMATION

ONLINE ACCESS TO ABSTRACTS

Presentation slides will be used as abstracts and will be available on the program page of the AVIDsymposium website at www.AVIDsymposium.org after the meeting. Abstracts will be available on the website for one full year.

ACCREDITATION STATEMENT

The Cleveland Clinic Foundation Center for Continuing Education is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

The Cleveland Clinic Foundation Center for Continuing Education designates this live activity for a maximum of 15.25 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Participants claiming CME credit from this activity may submit the credit hours to the American Osteopathic Association for Category 2 credit.

FOR ARDMS AND CCI CREDENTIALLED VASCULAR TECHNOLOGISTS AND SONOGRAPHERS

For Vascular Technologists and Sonographers, Continuing Medical Education credit hours are available on an hour-for-hour basis and may be used to fulfill the continuing medical education requirements necessary to retain certification with the American Registry for Diagnostic Medical Sonography (ARDMS) ¹ and Cardiovascular Credentialing International (CCI) ² or for accreditation with the Intersocietal Accreditation Commission (IAC).

1. http://www.ardms.org/registant_resources/cme_general_information/cme_general_information
2. <http://www.cci-online.org/content/ceu-providers>

CME CERTIFICATES AND COURSE EVALUATION FORMS

CME certificates will be available online at www.AVIDsymposium.org. An e-mail with a unique password and instructions on how to obtain the certificate and complete a brief, optional course evaluation will be sent to all registered attendees after the meeting. The e-mail will be sent to the e-mail address that was used to register the attendee. **Please note that CME Certificates must be claimed by February 28, 2020.**

FACULTY DISCLOSURE

The Cleveland Clinic Foundation Center for Continuing Education has implemented a policy to comply with the current Accreditation Council for Continuing Medical Education Standards for Commercial Support requiring resolution of all faculty conflicts of interest. Faculty declaring a relevant commercial interest will be identified in the activity syllabus.

ADA STATEMENT

The Cleveland Clinic Foundation Center for Continuing Education complies with the legal requirements of the Americans with Disability Act. If any participant of the AVIDsymposium requires special assistance, please send written request at least one month prior to the activity to admin@AVIDsymposium.org.

HOTEL AND TRAVEL

A block of rooms has been reserved at the conference rate of \$399 plus taxes per night. This rate is available until the block is filled or until October 13, 2019. *Please request the VEITH rate when reserving your accommodations.*

New York Hilton-Midtown (Symposium Site)

1335 Avenue of the Americas
New York, NY 10019
(212) 586-7000 or
1-800-HILTONS (toll free U.S. only)

American Express Global Business Travel at The Cleveland Clinic

Phone: (216) 444-2564, Extension 62134971
E-mail: Diane.M.Geneva@amexgbt.com

FRIDAY, NOVEMBER 22, 2019

- 7:50 – 8:00** **Welcome And Opening Remarks**
 Navigating The Meeting And Optimizing Your Experience
George L. Berdejo, BA, RVT
Natalie A. Marks, MD, RPVI, RVT

SESSION 1

CEREBROVASCULAR

Moderator: *Laurence Needleman, MD*

- 8:00 – 8:10** Update On The IAC Carotid Consensus Criteria
Heather L. Gornik, MD
- 8:10 – 8:20** A Numerical Criterion Must Consider Measurement Error And Physiologic Variability
Phillip J. Bendick, PhD, RVT
- 8:20 – 8:30** Planimetric Evaluation Of Carotid Stenosis
Nicos Labropoulos, BSc (Med), PhD, DIC, RVT
- 8:30 – 8:40** Carotid US: When The Charts And Numbers Don't Work
Leslie M. Scoutt, MD
- 8:40 – 8:50** Imaging After Carotid Stenting
Angela A. Kokkosis, MD, RPVI
- 8:50 – 9:05** **Panel Discussion**
- 9:05 – 9:25** **Break – Visit Exhibits (2nd and 3rd Floors)**

SESSION 2

VENOUS SESSION - ENHANCED LEARNING FROM CLINICAL CASES

Moderator: *Nicos Labropoulos, BSc (Med), PhD, DIC, RVT*

- 9:25 – 9:33** Deep Vein Reflux? Not Exactly
Angela A. Kokkosis, MD, RPVI
- 9:33 – 9:41** Unusual Pattern Of Superficial Vein Reflux
Nicos Labropoulos, BSc (Med), PhD, DIC, RVT
- 9:41 – 9:49** Venous Malformation
Neil M. Khilnani, MD
- 9:49 – 9:57** This Is Not A DVT
Antonios P. Gasparis, MD
- 9:57 – 10:05** Where Is The Obstruction?
Mark H. Meissner, MD
- 10:05–10:13** Mixed Picture Of Swelling
Thomas S. Maldonado, MD
- 10:13–10:21** Saphenous Vein Was Treated But There Is Still Reflux
Steve Elias, MD
- 10:21–10:35** **Panel Discussion**
- 10:35–10:50** **Break – Visit Exhibits And Pavilions (2nd and 3rd Floors)**

FRIDAY SESSIONS 3–4

SESSION 3

ARTERIAL

Moderators: *Ann Marie Kupinski, PhD, RVT*
Natalie A. Marks, MD, RPVI, RVT

- 10:50 – 11:00** Use Of Ultrasound After Peripheral Arterial Interventions
R. Eugene Zierler, MD, RPVI
- 11:00 – 11:10** Optimizing Your Imaging Technique In Peripheral Arterial Disease
Nicos Labropoulos, BSc (Med), PhD, DIC, RVT
- 11:10 – 11:20** Critical Analysis And Limitations Of Resting Ankle-Brachial Index In The Diagnosis Of Symptomatic Peripheral Arterial Disease Patients And The Impact Of DM And Chronic Kidney Disease
Ali F. AbuRahma, MD

DISSECTING THE ARTERIAL WAVEFORM

- 11:20 – 11:28** The Systolic Acceleration Time
Ann Marie Kupinski, PhD, RVT
- 11:28 – 11:36** The Reversed Flow Component
Phillip J. Bendick, PhD, RVT
- 11:36 – 11:44** Resistance To Flow
Laurence Needleman, MD
- 11:44 – 12:00** **Panel Discussion**
- 12:00 – 1:00** **LUNCH ON YOUR OWN**

SESSION 4

CURVEBALLS AND CONTROVERSIES

Moderator: *Richard C. Pennell, MD, RPVI*

- 1:00 – 1:09** Early Results Of A Critical Evaluation Of The 60 Degree Angle: We Can Do Better!
Frank Miele, MSEE
Ann Marie Kupinski, PhD, RVT
- 1:09 – 1:18** Role Of The Vascular Lab In Trans-Carotid Artery Revascularization Stenting (TCAR)
Richard C. Pennell, MD, RPVI
- 1:18 – 1:27** Vein Mapping For Arterial Procedures
Angela A. Kokkosis, MD, RPVI
- 1:27 – 1:36** The Worst Things We've Seen As Vascular Sonographers
David M. Williams, MS, RDCS, RVT
Joseph P. Hughes, BS, RVT, RVS, RPhS
- 1:36 – 1:45** Interesting Vertebral Artery Cases
Leslie M. Scoutt, MD
- 1:45 – 1:54** Development Of A Duplex Screening Protocol For Giant Cell Arteritis
R. Eugene Zierler, MD, RPVI
- 1:54 – 2:05** **Panel Discussion**

SESSION 5

TOPICS RELATED TO THE CURRENT HEALTH CARE ENVIRONMENT AND ITS IMPACT ON VASCULAR ULTRASOUND

*Moderators: Anne M. Jones, RN, BSN, RVT, RDMS
Robert M. Zwolak, MD, PhD*

- 2:06 – 2:15** Critical Issues For The Vascular Ultrasound Professional And Introduction To The Session
Anne M. Jones, RN, BSN, RVT, RDMS
- 2:15 – 2:50** **Panel Discussion**
Moderator: Ann M. Jones, RN, BSN, RVT, RDMS
*Panelists: Jeanette Flannery, RVT, RDMS
Heather L. Gornik, MD
Joseph P. Hughes, BS, RVT, RVS, RPhS
Laurence Needleman, MD
Clifford M. Sales, MD, MBA
Robert M. Zwolak, MD, PhD*
- 2:50 – 3:10** **Break – Visit Exhibits And Pavilions (2nd and 3rd Floors)**

SESSION 6

ABDOMINAL

Moderator: Phillip J. Bendick, PhD, RVT

- 3:10 – 3:19** Identification Of Inflammatory AAA And Aortitis In The Vascular Lab
Richard C. Pennell, MD, RPVI
- 3:19 – 3:28** Complete Ultrasound Evaluation After EVAR
Nicos Labropoulos, BSc (Med), PhD, DIC, RVT
- 3:28 – 3:37** Interesting Abdominal Vascular Ultrasound Cases
Robert De Jong, RDMS, RVT

SESSION 7

MISCELLANEOUS EXCITING NEW OR UPDATED CONCEPTS AND TECHNIQUES

Moderator: Mark A. Oliver, MD, RPVI, RVT

- 3:37 – 3:46** Use Of Ultrasound Findings In The Management Of Lower Extremity Deep Vein Thrombosis
Mark A. Oliver, MD, RPVI, RVT
- 3:46 – 3:55** Arterial Waveform Nomenclature: Can We Put An End To This Once And For All
David M. Williams, MS, RDCS, RVT
- 3:55 – 4:04** Elastography In The Vascular Lab
William N. Del Valle, RVT
- 4:04 – 4:13** Use Of Simulation For Competency Testing In Duplex Ultrasound
R. Eugene Zierler, MD, RPVI
- 4:13 – 4:30** **Panel Discussion – Combined Sessions 6 And 7**

SESSION 8

**INTERPRETING WITH THE MASTERS: CASE STUDY REVIEW
AND BRING YOUR OWN CASES**

Moderator: Laurence Needleman, MD

4:30 – 5:45

Panel Discussion

Panelists: *Heather L. Gornik, MD*
Natalie A. Marks, MD, RPVI, RVT
Mark A. Oliver, MD, RPVI, RVT
Richard C. Pennell, MD, RPVI
Leslie M. Scoutt, MD
R. Eugene Zierler, MD, RPVI

5:45 – 5:50

Summary of the Day and What to Expect for Tomorrow

George L. Berdejo, BA, RVT
Natalie A. Marks, MD, RPVI, RVT

SATURDAY, NOVEMBER 23, 2019

SESSION 9

WORKSHOP ROTATION 1

8:00 – 9:10

*Regent Parlor,
2nd Floor*

1. Hepato-Portal And Mesenteric
William N. Del Valle, RVT

*Sutton Parlor South,
2nd Floor*

2. Renal Artery Evaluation
Robert De Jong, RDMS, RVT

*Sutton Parlor Center,
2nd Floor*

3. Pelvic Venous Disorders
Richard Dubin, AAS-DMS, RVT, RDMS

*Sutton Parlor North,
2nd Floor*

4. Physiologic Testing
Ann Marie Kupinski, PhD, RVT
Jeanette Flannery, RVT, RDMS

SESSION 10

WORKSHOP ROTATION 2

9:10 – 10:20

*Regent Parlor,
2nd Floor*

1. Hepato-Portal And Mesenteric
William N. Del Valle, RVT

*Sutton Parlor South,
2nd Floor*

2. Renal Artery Evaluation
Robert De Jong, RDMS, RVT

*Sutton Parlor Center,
2nd Floor*

3. Pelvic Venous Disorders
Richard Dubin, AAS-DMS, RVT, RDMS

*Sutton Parlor North,
2nd Floor*

4. Physiologic Testing
Ann Marie Kupinski, PhD, RVT
Jeanette Flannery, RVT, RDMS

SESSION 11
WORKSHOP ROTATION 3

10:20 – 11:30

Regent Parlor,
2nd Floor

1. Transcranial Duplex Imaging
Joseph P. Hughes, BS, RVT, RVS, RPhS

Sutton Parlor South,
2nd Floor

2. Lower Extremity Arterial Imaging (Post Intervention)
Angelique Hernandez, AS, RVT

Sutton Parlor Center,
2nd Floor

3. Carotid Artery Imaging
David M. Williams, MS, RDCS, RVT
Kelvin Portalatin, AA, RVT

Sutton Parlor North,
2nd Floor

4. Identifying The Source Of Reflux
Phillip J. Bendick, PhD, RVT
Angela Rodriguez-Wong, MD, RPVI, RVT

11:30 – 12:30

LUNCH ON YOUR OWN

SESSION 12
WORKSHOP ROTATION 4

12:30 – 1:40

Regent Parlor,
2nd Floor

1. Transcranial Duplex Imaging
Joseph P. Hughes, BS, RVT, RVS, RPhS

Sutton Parlor South,
2nd Floor

2. Lower Extremity Arterial Imaging (Post Intervention)
Angelique Hernandez, AS, RVT

Sutton Parlor Center,
2nd Floor

3. Carotid Artery Imaging
David M. Williams, MS, RDCS, RVT

Sutton Parlor North,
2nd Floor

4. Hemodialysis Access Imaging
Fernando Amador, RVT

SESSION 13
WORKSHOP ROTATION 5

1:40 – 2:50

Regent Parlor,
2nd Floor

1. Upper Extremity DVT
William N. Del Valle, RVT

Sutton Parlor South,
2nd Floor

2. Lower Extremity DVT
Angelique Hernandez, AS, RVT

Sutton Parlor Center,
2nd Floor

3. Identifying The Source Of Reflux
Richard Dubin, AAS-DMS, RVT, RDMS

Sutton Parlor North,
2nd Floor

4. Hemodialysis Access Imaging
Angela Rodriguez-Wong, MD, RPVI, RVT

SESSION 14
WORKSHOP ROTATION 6

2:50 – 4:00

Regent Parlor,
2nd Floor

1. Upper Extremity DVT
William N. Del Valle, RVT
Kelvin Portalatin, AA, RVT

Sutton Parlor South,
2nd Floor

2. Lower Extremity DVT
Angelique Hernandez, AS, RVT

Sutton Parlor Center,
2nd Floor

3. Identifying The Source Of Reflux
Richard Dubin, AAS-DMS, RVT, RDMS

Sutton Parlor North,
2nd Floor

4. Physiologic Testing
Angela Rodriguez-Wong, MD, RPVI, RVT

FACULTY

A

Ali F. AbuRahma, MD
Charleston, West Virginia

Fernando Amador, RVT
New York, New York

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Royal Oak, Michigan

George L. Berdejo, BA, RVT,
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William N. Del Valle, RVT
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Richard Dubin, AAS-DMS,
RVT, RDMS
Bronx, New York

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Steve Elias, MD
Englewood, New Jersey

F

Jeanette Flannery, RVT, RDMS,
FSVU
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G

Antonios P. Gasparis, MD
Stony Brook, New York

Heather L. Gornik, MD
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H

Angelique Hernandez, AS, RVT
Danbury, Connecticut

Joseph P. Hughes, BS, RVT,
RVS, RPhS, FSVU
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J

Anne M. Jones, RN, BSN, RVT,
RDMS, FSVU, FSDMS
Winston-Salem, North Carolina

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Neil M. Khilnani, MD
New York, New York

Angela A. Kokkosis, MD, RPVI
Stony Brook, New York

Ann Marie Kupinski, PhD, RVT,
FSVU
Albany, New York

L

Nicos Labropoulos, BSc (Med),
PhD, DIC, RVT
Stony Brook, New York

M

Thomas S. Maldonado, MD
New York, New York

Natalie A. Marks, MD, RPVI,
RVT, FSVU
Brooklyn, New York

Mark H. Meissner, MD
Seattle, Washington

Frank Miele, MSEE
Forney, Texas

N

Laurence Needleman, MD
Philadelphia, Pennsylvania

O

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Morristown, New Jersey

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Kelvin Portalatin, AA, RVT
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RPVI, RVT
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Clifford M. Sales, MD, MBA,
FACS
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Leslie M. Scoult, MD
New Haven, Connecticut

W

David M. Williams, MS, RDCS,
RVT
Florence, South Carolina

Z

R. Eugene Zierler, MD, RPVI,
FACS
Seattle, Washington

Robert M. Zwolak, MD, PhD
Lebanon, New Hampshire

REGISTRATION

AVID symposium®

Advances in Vascular Imaging and Diagnosis

Friday - Saturday, November 22-23, 2019

NEW YORK HILTON-MIDTOWN
1335 Avenue Of The Americas
New York, NY 10019

Meeting Registration

(See Registration Form on reverse side)

Full Registration	Tuition
<input type="checkbox"/> Technologists <input type="checkbox"/> Sonographers	\$475
<input type="checkbox"/> Physicians	\$650
<input type="checkbox"/> Physicians Combination Rate - AVIDsymposium & VEITHsymposium.....	\$1899 (Tuesday - Saturday)
<input type="checkbox"/> Nurse Practitioners <input type="checkbox"/> Physician Assistants (Non-Physician, Clinician)	\$550
<input type="checkbox"/> Residents <input type="checkbox"/> Nurses	\$475
<input type="checkbox"/> Medical & Ultrasound Students*	\$175 (Friday - Saturday)
*Letter of verification from Dean must be faxed to 888-418-7043.	
<input type="checkbox"/> All Others.....	\$650

Refund: There is a \$95 cancellation fee if canceled by October 11, 2019. No refunds will be made thereafter.

Online: <http://www.AVIDsymposium.org>

Phone: 800-987-9314, Ext. 200 with your payment information

Fax: the reverse form with your credit card payment to
888-418-7043

Mail: this form with your payment to:
The Cleveland Clinic Educational Foundation
Attn: AVIDsymposium 02011243
P.O. Box 931653
Cleveland, OH 44193-1082

Please e-mail registrar@avidsymposium.org if sending by overnight mail or courier service.

Additional Information

AVIDsymposium
4455 Douglas Avenue, Suite 11E
Riverdale, New York 10471

Phone: 800-987-9314, Ext. 200

E-mail: registrar@avidsymposium.org

Updates: www.AVIDsymposium.org

REGISTRATION



Advances in Vascular Imaging and Diagnosis

Full Registration

Tuition

- Technologists Sonographers..... \$475
- Physicians..... \$650
- Physicians Combination Rate -
AVIDsymposium & VEITHsymposium \$1899
(Tuesday - Saturday)
- Nurse Practitioners Physician Assistants
(Non-Physician, Clinician)..... \$550
- Residents Nurses \$475
- Medical & Ultrasound Students* \$175
(Friday - Saturday)
*Letter of verification from Dean must be faxed to
888-418-7043.
- All Others..... \$650

First Name: _____

Last Name (Surname) _____

Degree: _____

Specialty: _____

Physician Non-Physician Cleveland Clinic Employee? Yes No

Affiliation: _____

Address Type: Home Other

Address: _____

City: _____ State/Province _____

Zip Code: _____ Country _____

E-mail: _____

(A valid registrant's e-mail address is required for confirmation and CME certificate.)

Phone: _____ Fax _____

Payment Method

Check: Please make checks payable to the Cleveland Clinic Educational Foundation and mail with completed Registration Form for receipt no later than October 31, 2019 to:
The Cleveland Clinic Educational Foundation
Attn: AVIDsymposium 02011243
P.O. Box 931653
Cleveland, OH 44193-1082

Please e-mail registrar@avidsymposium.org if sending by overnight mail or courier service

Credit Card:

Name on Card: _____

Credit Card Number: _____

Verification Code: _____ Expiration Date _____

(3-4 Digit Code on Credit Card)

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Updates: www.AVIDsymposium.org



THE CLEVELAND CLINIC EDUCATIONAL FOUNDATION

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CLEVELAND, OH 44193-1082



New York Hilton-Midtown

Hilton

Friday - Saturday, November 22 - 23, 2019

LECTURES AND WORKSHOPS INCLUDED

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