

Advances in Vascular Imaging and Diagnosis

Friday - Saturday, November 20-21, 2015

PRE-SYMPOSIUM

Symposium & Workshops on Management and Clinical Issues

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

Symposium Co-Chair 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





Welcome to

ADVANCES IN VASCULAR I MAGING AND DIAGNOSIS

26TH SYMPOSIUM AND WORKSHOPS ON MANAGEMENT AND CLINICAL ISSUES



Dear Colleague:

Welcome to the 26th Annual Advances in Vascular Imaging and Diagnosis (AVID) Symposium and Workshops on Clinical and Management Issues in Vascular Ultrasound! This year we have highlighted the "Expanding Role and Reach" of vascular ultrasound in clinical medicine today. This year's meeting will encompass:

Advances in technology that have increased the diagnostic capabilities of vascular ultrasound and its increasing role not only in diagnosis, but also in planning and performing interventions and in patient follow-up and surveillance after intervention.

Vascular ultrasound and its role and transition to increasing numbers of specialists who are employing both traditional and newer cutting edge methods and techniques to improve patient care and management.

Interesting case-based learning in the form of "real" clinical cases in what promises to be an engaging Venous Session on Saturday morning.

Discussion and debate of the current clinical and philosophical controversial issues in Vascular Ultrasound.

2015 also brings with it an array of other educational opportunities at the AVIDsymposium. They have been organized into thematic tracks that vary not only in content, but also learning methods. In addition to the case-based learning we have planned early morning didactic lectures in the form of a "Principles of Ultrasound Tune-up", Hands-On Real Time Imaging with the Experts sessions, lectures on emerging new technology and clinical applications of vascular ultrasound, debates, and special lunchtime lectures. We have included a "Practical Principles" session as well as a session that will go "Beyond the Core Concepts" in vascular testing that offer not only disease-based imaging fundamentals, but also advanced imaging techniques for diagnostic dilemmas. Back this year is an Ultrasound Students Pre-Symposium Course to be held on Thursday.

The AVIDsymposium faculty prides itself on being accessible to attendees. We do this via planned "discussion" periods for each of the sessions as well as in pre and post lunch Workshops Friday and Saturday that will provide excellent opportunities for "one-on-one" discussion. Finally, we offer networking opportunities with leaders in the field, colleagues, and our partners in industry with opportunity to evaluate the most recent advances in ultrasound technology.

The AVIDsymposium program committee is dedicated to the delivery of quality care to its patients and the education of the medical community at large. We anticipate that this will be an enjoyable and educational experience for all involved. Welcome to New York City!

Natalie

Sincerely,

George L. Berdejo, BA, RVT, FSVU

Natalie A. Marks, MD, RVT, RPVI

GENERAL INFORMATION

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 26th 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.

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 18.5 AMA PRA Category 1 CreditsTM. 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 CREDENTIALED 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/registrant 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 29, 2016.*

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 this activity syllabus.

ONLINE ACCESS TO ABSTRACTS

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

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 advise a staff member in the registration area in the Rhinelander Gallery on the 2nd floor.

GENERAL SESSIONS

General Sessions are held in the Murray Hill Suites East and West, located on the 2nd floor.

WORKSHOP SESSIONS

Please consult the Workshop Schedule in this syllabus.

FOOD SERVICE

Coffee, lunch and refreshments breaks will be served in the South Corridor on the 2nd Floor on Friday and Saturday.

EXHIBITS/PAVILIONS

Exhibitors will display their products in the South Corridor on the 2nd floor, on the 2nd floor Promenade, in the 3rd floor Foyer and Promenade, and in other designated areas.

NAME BADGES

For the convenience of our exhibitors and attendees, the magnetic stripe on your name badge includes your name, address, telephone and fax numbers, and e-mail address. Exhibitors can scan your name badge for this information. Please wear your name badge at all times.

FLOOR PLAN

A Floor Plan of the New York Hilton-Midtown is included in this syllabus to help you find your way more easily.

HOSPITALITY DESK

The staff will be happy to answer any questions you have, or to make any arrangements that you may require. Staff members are located in the Rhinelander Gallery on the 2nd floor.

CELL PHONES AND PAGERS

As a courtesy to other attendees, please turn off your cell phones and pagers, or set to vibrate.

COAT CHECK

Coat Check is located on the 2nd floor.

DISCLAIMER

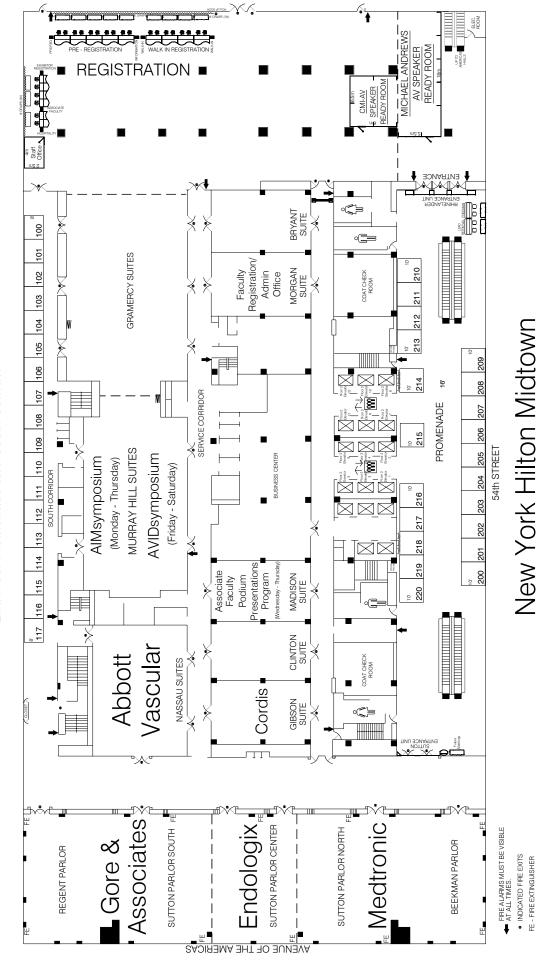
The information in this educational activity is provided for general medical education purposes only and not meant to substitute for the independent medical judgment of a physician relative to diagnostic and treatment options of a specific patient's medical condition. The viewpoints expressed in this CME activity are those of the authors/faculty. They do not represent an endorsement by The Cleveland Clinic Foundation or VEITHsymposium LLC. In no event will The Cleveland Clinic Foundation or VEITHsymposium LLC be liable for any decision made or action taken in reliance upon the information provided through this CME activity.

We have made every effort to ensure that the syllabus is accurate. We cannot take responsibility for errors, deletions or omissions.

FLOOR PLANS

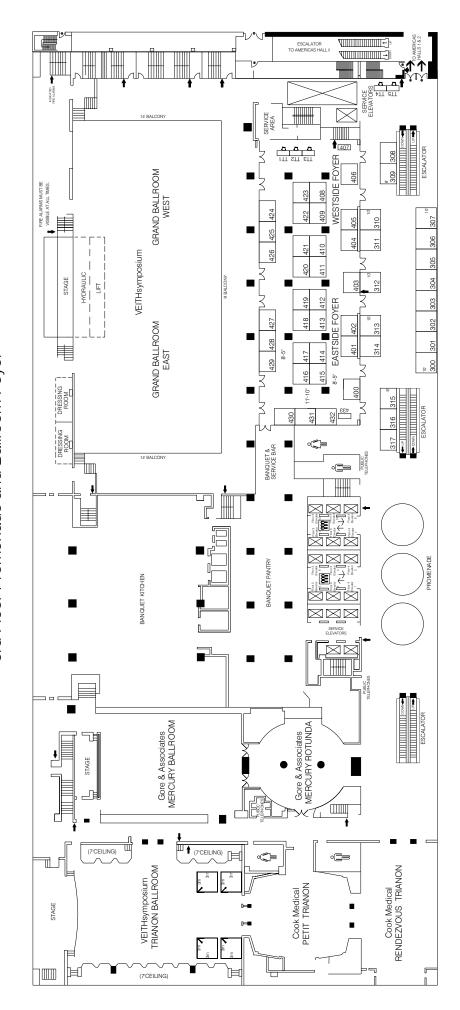
VEITHsymposium/AIMsymposium/AVIDsymposium November 16 - 21, 2015 CONCOURSE F CONCOURSE E CONCOURSE D Concourse Level CONCOURSE G CONCOURSE C CONCOURSE B CONCOURSE H GRAND STAIRCASE CONFERENCE SERVICE CENTER CONCOURSE A

VEITHsymposium/AIMsymposium/AVIDsymposium 2nd Floor Promenade and South Corridor November 16 - 21, 2015



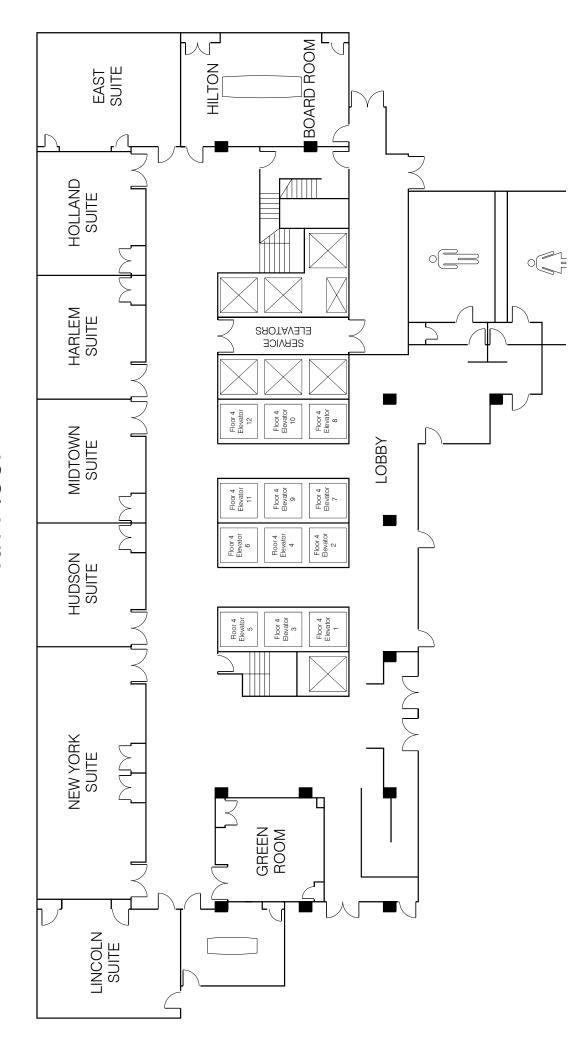
 INDICATED FIRE EXITS FE - FIRE EXTINGUISHER

VEITHsymposium/AIMsymposium/AVIDsymposium NOVEMBER 16 - 21, 2015 3rd Floor Promenade and Ballroom Foyer



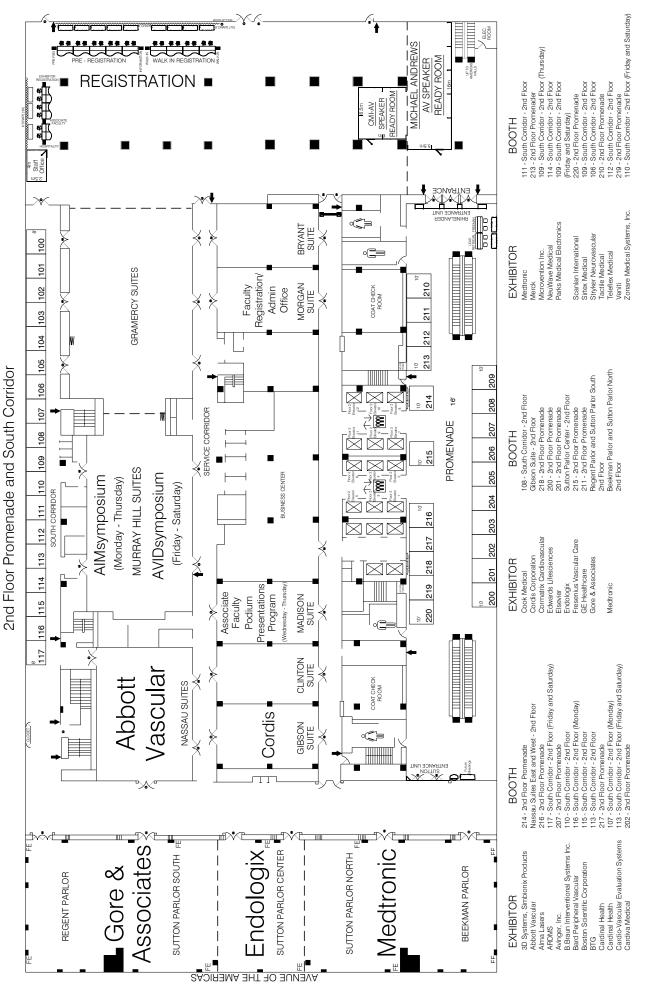
New York Hilton Midtown 3rd Floor Promenade and Ballroom Foyer

VEITHsymposium/AIMsymposium/AVIDsymposium November 16 - 21, 2015 4th Floor

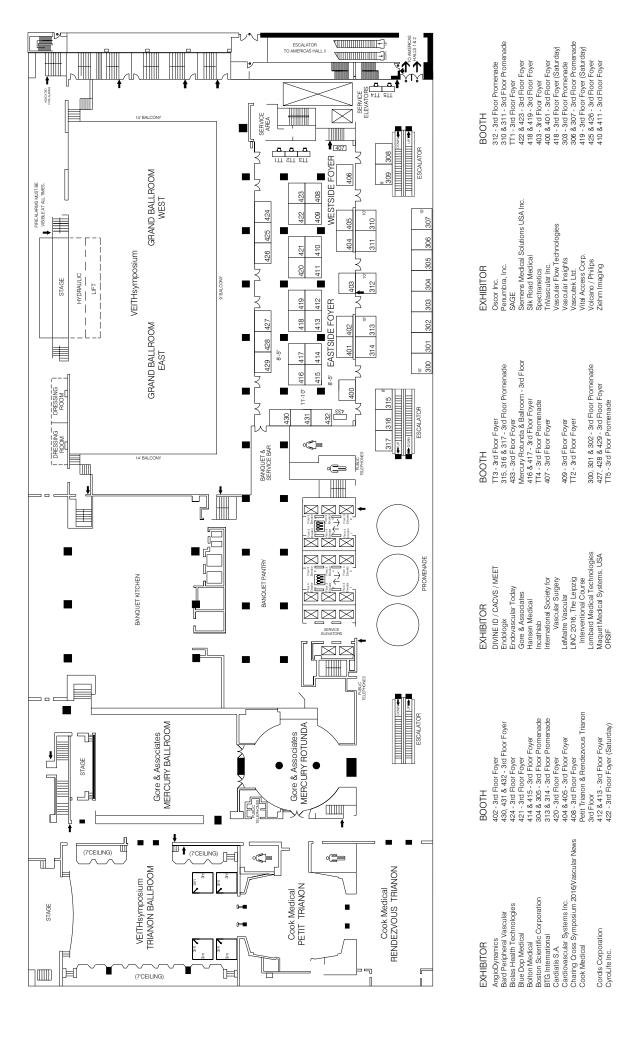


EXHIBITS AND PAVILIONS

VEITHsymposium/AIMsymposium/AVIDsymposium November 16 - 21, 2015



VEITHsymposium/AIMsymposium/AVIDsymposium NOVEMBER 16 - 21, 2015 3rd Floor Promenade and Ballroom Foyer



EXHIBITORS

COMBINED EXHIBIT HALL FOR

VEITHsymposium, AIMsymposium and AVIDsymposium (MONDAY – FRIDAY/SATURDAY)

We acknowledge the participation of the following companies as exhibitors:

3D Systems, Simbionix Products 214 - 2nd Floor Promenade

Abbott Vascular Pavilion - Nassau Suites East and West - 2nd Floor

Alma Lasers 216 - 2nd Floor Promenade AngioDynamics, Inc. 402 - 3rd Floor Foyer

ARDMS 117 - South Corridor - 2nd Floor

(Exhibiting on Friday and Saturday Only)

Avinger, Inc. 207 - 2nd Floor Promenade
B. Braun Interventional System Inc. 110 - South Corridor - 2nd Floor
Bard Peripheral Vascular 430, 431 and 432 - 3rd Floor Foyer

Bard Peripheral Vascular 116 - South Corridor - 2nd Floor (Exhibiting on Monday Only)

Biolas Health Technologies Co.

Blue Dop Medical

Bolton Medical

Boston Scientific Corporation

BTG

424 - 3rd Floor Foyer

421 - 3rd Floor Foyer

414 and 415 - 3rd Floor Foyer

304 and 305 - 3rd Floor Promenade

115 - South Corridor - 2nd Floor

113 - South Corridor - 2nd Floor

BTG International 313 and 314 - 3rd Floor Promenade Cardiatis S.A. 420 - 3rd Floor Foyer Cardinal Health 217 - 2nd Floor Promenade

Cardinal Health 107 - South Corridor -2nd Floor (Exhibiting on Monday Only)

Cardio-Vascular Evaluation Systems, Inc. 113 - South Corridor - 2nd Floor

(Exhibiting on Friday and SaturdayOnly)

Cardiovascular Systems, Inc.

404 and 405 - 3rd Floor Foyer
Cardiva Medical, Inc.

202 - 2nd Floor Promenade
Charling Cross Symposium 2014 (Vascular Naus

Charing Cross Symposium 2016 / Vascular News 408 - 3rd Floor Foyer

Cook Medical Pavilion - Petit Trianon and Rendezvous Trianon - 3rd Floor
Cook Medical 108 - South Corridor - 2nd Floor
Cordis® A Cardinal Health company Pavilion - Gibson Suite - 2nd Floor
Cordis® A Cardinal Health company 412 and 413 - 3rd Floor Foyer

Cormatrix Cardiovascular, Inc. 218 - 2nd Floor Promenade
CryoLife, Inc. 422 - 3rd Floor Foyer (Exhibiting on Saturday Only)

DIVINE ID/CACVS/MEET

Edwards Lifesciences

TT3 - 3rd Floor Foyer

200 - 2nd Floor Promenade

Elsevier

201 - 2nd Floor Promenade

Endologix, Inc.

Pavilion - Sutton Parlor Center - 2nd Floor
Endologix, Inc.

315, 316 and 317 - 3rd Floor Promenade

Endologix, Inc.

Endovascular Today

Fresenius Vascular Care

GE Healthcare

315, 316 and 317 - 3rd Floor Fl

Gore & Associates Pavilion - Mercury Rotunda and Ballroom - 3rd Floor

Gore & Associates Simulation Pavilion - Regent Parlor and Sutton Parlor South - 2nd Floor

427, 428 and 429 - 3rd Floor Foyer

Hansen Medical 416 and 417 - 3rd Floor Foyer Incathlab TT4 - 3rd Floor Promenade International Society For Vascular Surgery (ISVS) 407 - 3rd Floor Foyer LeMaitre Vascular 409 - 3rd Floor Foyer

LINC 2016, The Leipzig Interventional Course

Lombard Medical, Inc.

TT2 - 3rd Floor Foyer
300, 301 and 302 - 3rd Floor Promenade

Medstreaming 406 - 3rd Floor Foyer

Maquet Medical Systems, USA

Medtronic Pavilion - Beekman Parlor and Sutton Parlor North - 2nd Floor

Medtronic111 - South Corridor - 2nd FloorMerck213 - 2nd Floor Promenade

Merit Medical Systems, Inc.

Microvention, Inc.

Mindray/Zonare Medical Systems

NeuWave Medical

ORSIF Oscor Inc.

Parks Medical Electronics

Penumbra, Inc.

SAGE

Scanlan International, Inc.

Siemens Medical Solutions USA Inc.

Silk Road Medical Sirtex Medical Inc. Spectranetics

Stryker Neurovascular Surefire Medical Inc.

Tactile Medical
Teleflex Medical

Vascular Flow Technologies

Vascular Insights Vascutek Ltd. Veniti, Inc.

TriVascular, Inc.

Vital Access Corp.

Volcano/Philips Ziehm Imaging 107 – South Corridor – 2nd Floor (Exhibiting on Wednesday Only)

109 - South Corridor - 2nd Floor (Exhibiting on Thursday Only)

110 - South Corridor - 2nd Floor

(Exhibiting on Friday and Saturday Only)

114 - South Corridor - 2nd Floor TT5 - 3rd Floor Promenade 312 - 3rd Floor Promenade

109 - South Corridor - 2nd Floor

(Exhibiting on Friday and Saturday Only)

310 and 311 - 3rd Floor Promenade

TT1 - 3rd Floor Foyer 220 - 2nd Floor Promenade 422 and 423 - 3rd Floor Foyer 418 and 419 - 3rd Floor Foyer

403 - 3rd Floor Foyer

106 - South Corridor - 2nd Floor

109 - South Corridor - 2nd Floor

108 - South Corridor - 2nd Floor (Exhibiting on Tuesday Only)

210 - 2nd Floor Promenade 112 - South Corridor - 2nd Floor 400 and 401 - 3rd Floor Foyer

418 - 3rd Floor Foyer (Exhibiting on Saturday Only)

303 - 3rd Floor Promenade

306 and 307 - 3rd Floor Promenade

219 - 2nd Floor Promenade

419 - 3rd Floor Foyer (Exhibiting on Saturday Only)

425 and 426 - 3rd Floor Foyer 410 and 411 - 3rd Floor Foyer

PAVILIONS

VEITHsymposium, AIMsymposium and AVIDsymposium (TUESDAY – FRIDAY/SATURDAY)

COMPANY

Abbott Vascular

Cook Medical

Cordis® A Cardinal Health company

Endologix, Inc.

Gore & Associates

Gore & Associates (Simulation)

Medtronic

LOCATION

Nassau Suites East and West, 2nd Floor

Rendezvous and Petit Trianon, 3rd Floor

Gibson Suite, 2nd Floor

Sutton Parlor Center, 2nd Floor

Mercury Rotunda and Mercury Ballroom, 3rd Floor

Sutton Parlor South and Regent Parlor, 2nd Floor

Beekman Parlor and Sutton Parlor North, 2nd Floor



PROGRAM SCHEDULE

THURSDAY, NOVEMBER 19, 2015

PRE-SYMPOSIUM ULTRASOUND STUDENTS COURSE

LOCATION: AMERICAS HALL 2, 3RD FLOOR

8:00 - 8:05 Welcome And Introduction

Fernando Amador, RVT Joshua Cruz, BS, RVT

Richard Dubin, AAS-DMS, RVT, RDMS

SESSION 1

BASIC TECHNICAL PROTOCOLS FOR THE PRIMARY AREAS OF TESTING

Moderators: Fernando Amador, RVT Joshua Cruz, BS, RVT

Richard Dubin, AAS-DMS, RVT, RDMS

8:05 - 8:35 Physiologic Testing: Theory And Application

William N. Del Valle, RVT

8:35 - 9:05 Lower Extremity Venous Imaging For Deep Vein Thrombosis And Chronic Venous Insufficiency:

Protocols, Pitfalls And Pearls

Nicos Labropoulos, BSc (Med), PhD, DIC, RVT

9:05 - 9:35 Basic Cerebrovascular Testing: Protocols, Pitfalls And Pearls

Richard Dubin, AAS-DMS, RVT, RDMS

9:35 - 9:50 Break

9:50 - 10:20 Upper Extremity Venous Imaging: Protocols, Pitfalls And Pearls

Joshua Cruz, BS, RVT

10:20 - 10:50 Rational Use Of Duplex Ultrasound For Evaluation Of The Patient With Suspected Arterial Occlusive

Disease

George L. Berdejo, BA, RVT

10:50 - 11:20 Hemodialysis Access: Preoperative Mapping And Postoperative Surveillance

Susan M. Gustavson, RVT

11:20 - 11:40 Questions And Answers

11:40 - 1:00 Lunch On Your Own

SESSION 2

A REVIEW OF HEMODYNAMIC PRINCIPLES

This half-day lecture is a dynamic review and application of the laws of hemodynamics. In the first part of the lecture, we develop the hemodynamic equations in an interactive and intuitive manner. In the second part of the lecture, we learn how to apply these equations and how they predict the compensatory mechanisms of the body to stress. Specifically, we will review how the body can compensate for the stress of both exercise and disease.

Moderator: Frank Miele, MSEE

1:00 - 2:25 Hemodynamic Equations

2:25 - 2:45 Break

2:45 - 4:10 Practical Applications To Diagnostic Testing

4:10 - 4:30 Questions And Answers

FRIDAY, NOVEMBER 20, 2015

MAIN MEETING

7:45 - 7:55 Welcome And Opening Remarks

Navigating The Meeting; Getting The Most And What To Expect

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

SESSION 3

PRACTICAL PRINCIPLES, SOUND STRATEGIES, AND FLOW FUNDAMENTALS IN VASCULAR ULTRASOUND

Moderator: George L. Berdejo, BA, RVT

7:55 - 8:06 A Good Physical Examination Is Half The Battle: Physical Examination Of The Vasculopath With Relevance To Diagnostic Testing

Phillip J. Bendick, PhD, RVT

8:07 – 8:18 Recognizing And Compensating For Common Ultrasound And Doppler Artifacts: Case Study Presentations

Frederick Kremkau, PhD

8:19 - 8:30 A Discussion Of Doppler Waveform Descriptors: Nomenclature And Rationale David M. Williams, MS, RDCS, RVT

8:31 – 8:42 The Effect Of Temperature And Vasodilatation On Arterial Blood Flow Waveform Analysis: Pulsatility And Large Arteries vs. Diastolic Flow And Capillary Network Sergio X. Salles-Cunha, PhD, RVT

8:43 - 8:54 Impact Of Cardiac Dysfunction On The Vascular Ultrasound Examination - Common And Uncommon Occurrences In Common And Uncommon Findings

Carol Miranda, RVT, RDMS, RDCS

8:55 – 9:06 The Triad Of "Hemodynamically" Significant Stenosis: The Proof Is In The "Putting" It All Together Laurence Needleman, MD

9:06 - 9:15 Panel Discussion

9:15 - 9:40 Break - Visit Exhibits (South Corridor, 2nd Floor)

SESSION 4

BEYOND THE CORE CONCEPTS IN VASCULAR TESTING: ARE YOU MEETING THE STANDARD: HOW TO DO IT CORRECTLY

This session will venture into advanced imaging related to the "big 3" areas of vascular testing as it relates to post-intervention follow-up and patient evaluation and will describe appropriate use, standard protocols, standard and non-standard image acquisition and other components that define the "complete" vascular examination.

Moderator: Natalie A. Marks, MD, RVT, RPVI

9:40 - 9:52 Physiologic Testing After Revascularization Procedures: Why And How; Controversies And Contraindications

Ann Marie Kupinski, PhD, RVT

9:53 – 10:05 Lower Extremity Imaging After Venous Procedures (Vein Excision, Thermal Venous Ablation, Saphenous Vein Harvesting): What To Expect And How To Report Your Findings

William B. Schroedter, BS, RVT, RPhS

10:06 - 10:18 Carotid Artery Imaging After Stenting And/Or Endarterectomy: Not Just The Usual Protocol Phillip J. Bendick, PhD, RVT

SESSION 5

HANDS-ON REAL TIME IMAGING WITH THE EXPERTS — CAROTID AND LOWER EXTREMITY VEIN IMAGING

This will be a live scanning session designed to allow the audience opportunity to pose questions and interact with the speaker while the patient is being scanned.

Moderators: George L. Berdejo, BA, RVT Joshua Cruz, BS, RVT

10:18 - 10:30 Lower Extremity Vein Imaging
William B. Schroedter, BS, RVT, RPhS

2015 Syllabus

Thursday

10:31 - 10:43	Intervention Carotid Artery Imaging Natalie A. Marks, MD, RVT, RPVI
10:43 - 10:55	Panel Discussion (Combined Sessions 4 and 5)
	SCULAR I: CONSENSUS OR CONTINUED CHAOS AND CONTROVERSY IN CAROTID
CRITERIA Moderators:	Ann Marie Kupinski, PhD, RVT Laurence Needleman, MD
10:55 – 11:05	Update On The Ongoing Carotid Criteria Project: I'm All For It Heather $L.\ Gornik,\ MD$
	COMMENTARIES
11:05 – 11:10	I Agree But I'm Not So Sure It's Worth The Effort Or We Will Get The Buy-In That Is Needed Joseph P. Hughes, RVT, RVS
11:10 – 11:15	Errors In Carotid Stenosis Quantification: Estimation Of Stenosis Based On Doppler Derived Velocity Is Not The Correct Measurement In The Majority Of Cases: We Need More Emphasis On Imaging Measurements Sergio X. Salles-Cunha, PhD, RVT
11:15 – 11:20	Will Technologist, Technique And Equipment Challenges Pose A Problem? Ann Marie Kupinski, PhD, RVT
11:20 – 11:25	Will Interpretive Challenges Pose A Problem? Michael J. Singh, MD
11:25 – 11:30	What About Criteria For The CCA, ECA And VertebralsOr Does It Matter? Laurence Needleman, MD
11:30 – 11:50	Panel Discussion
11:50 – 12:10	Lunch - Visit Exhibits (Pick up Lunch in the Exhibit Area, South Corridor, 2nd Floor)
SESSION 7	
LUNCHEON Moderator:	I LECTURE: PRINCIPLES TUNE-UP: HOW SHARP ARE YOU - PART I Joshua Cruz, BS, RVT
12:10 – 1:00	Principles Tune-Up – How Sharp Are You? Frederick Kremkau, PhD
1:00 - 1:05	Transition to Workshops (Americas Hall 2, 3rd Floor)
session 8 WORKSHC	PP ROTATION I
1:05 - 2:00	
MURRAY HILL SUITE	 Interpreting With The Masters: Clinical Conundrums In Carotid Imaging: A Case Study Review Laurence Needleman, MD Richard C. Pennell, MD
200141	Heather L. Gornik, MD
ROOM 1	2. Interpreting With The Masters: Adventures In Unusual Abdominal And Upper Extremity Vein Cases Leslie M. Scoutt, MD Bhagwan Satiani, MD, MBA
ROOM 2	3. Interpreting With The Masters: Lower Extremity Arterial And Venous Cases Natalie A. Marks, MD, RVT, RPVI
	Nicos Labropoulos, BSc (Med), PhD, DIC, RVT
ROOM 3	 More On Cardiac Effects On Peripheral Imaging: Cardiac Influence On Peripheral Vascular Arterial, Venous And Carotid Studies – A Case Study Analysis Carol Miranda, RVT, RDMS, RDCS David M. Williams, MS, RDCS, RVT
ROOM 4	5. Billing And Coding Joseph P. Hughes, RVT, RVS William B. Schroedter, BS, RVT, RPhS
ROOM 5	6. Test Taking Strategies Frank Miele, MSEE
ROOM 6	7. IAC Vascular Testing: New QI Requirements Sandra L. Katanick, RN, RVT, CAE
2:00 - 2:10	Transition to Plenary Sessions (Murray Hill Suites East and West, 2nd Floor)

SESSION 9	
	ultrasound: curveballs and controversies
Moderators:	Anne M. Jones, RN, BSN, RVT, RDMS
	Richard C. Pennell, MD
2:10 - 2:20	TCD And Sickle Cell Anemia: Comparison Between Duplex Doppler And Classical Non-Imaging Doppler Used In Most Significant Research: Can We Use The Same Criteria? Sergio X. Salles-Cunha, PhD, RVT
2:20 – 2:30	Venous And Arterial Manifestations And Complications Of Thoracic Outlet Syndrome Gregory L. Moneta, MD
2:30 - 2:40	Should Point Of Care Ultrasound (POCUS) Be Incorporated In The Vascular Lab Practice? Nicos Labropoulos, BSc (Med), PhD, DIC, RVT
2:40 - 2:50	It's Not Always Cardiac How Do you Know: Hemodynamic Changes Seen In Innominate, Proximal Common Carotid And Subclavian Artery Stenosis Cindy A. Owen, RVT, RDMS
SESSION 10	
	FOR VASCULAR DISEASE PROCESSES
Moderators:	Anne M. Jones, RN, BSN, RVT, RDMS Richard C. Pennell, MD
2:51 - 3:01	What About Vascular Screening Programs In The Era Of ACOs? John (Jeb) W. Hallett, MD
3:02 - 3:12	ABI And Cardiovascular Screening: Thresholds For Positive Findings, Highest Or Lowest Index, Posterior vs. Anterior Tibial ABI: Should All Patients Get An ABI? Sergio X. Salles-Cunha, PhD, RVT
3:13 - 3:23	Screening For AAAs: What Are The Gender Differences? Is It Worthwhile In Women? Andrew N. Nicolaides, MS
3:24 - 3:34	DEBATE: We Should Screen For Asymptomatic Carotid Stenosis: It Is Justified In Some Patients Glenn Jacobowitz, MD
3:35 - 3:45	DEBATE: Should We Screen For Asymptomatic Carotid Stenosis? Maybe Maybe Not Nicos Labropoulos, BSc (Med), PhD, DIC, RVT
3:45 - 4:00	Panel Discussion (Combined Sessions 9 and 10)
	Break – Visit Exhibits (South Corridor, 2nd Floor)
SESSION 11	
	REAL TIME IMAGING WITH THE EXPERTS — THE CAROTID ARTERIES
This will be a li	ve scanning session designed to allow the audience opportunity to pose questions and interact with the he patient is being scanned.
Moderators:	George L. Berdejo, BA, RVT Fernando Amador, RVT
4:15 - 4:25	Carotid Duplex Imaging – Screening Protocol And Pre-Operative Mapping Natalie A. Marks, MD, RVT, RPVI
SESSION 12 PRACTICE E Moderator:	NHANCEMENTS: ISSUES RELATED TO EDUCATION, PRODUCTIVITY AND QUALITY George L. Berdejo, BA, RVT
4:25 – 4:35	Measuring Quality In The Vascular Laboratory Michael P. Lilly, MD
4:36 - 4:46	Vascular Lab Reporting That Makes Sense Laurence Needleman, MD
4:47 – 4:57	
4:58 - 5:08	Role Of The Vascular Lab In A Modern Telemedicine Practice Richard C. Pennell, MD, MBA
5:09 - 5:19	Ultrasound Guided Access For Endovascular Therapy Deepak G. Nair, MD, MS, RVT

5:20 - 5:30 What The Data Says: A Statistical Look At What Students Do And Do Not Know

Frank Miele, MSEE

5:30 - 5:40 Panel Discussion (Combined Sessions 11 and 12)

AVIDsymposium 2015 Syllabus

Friday

SATURDAY, NOVEMBER 21, 2015

SESSION 13

PRINCIPLES TUNE-UP: HOW SHARP ARE YOU - PART II

Moderator: Joshua Cruz, BS, RVT

7:00 - 7:45 Principles Tune-Up

Frederick Kremkau, PhD

SESSION 14

LEARNING THROUGH REAL CLINICAL CASES

This session will cover most subjects on venous disease through clinical cases. It will be very interactive as the faculty will engage with the participants. The focus will be on history, physical exam, diagnosis, treatment and follow-up of the patients. Many pearls, tips and tricks will be given by renowned world experts. Emphasis will be given on applying such *knowledge to routine practice.*

Moderator:	Nicos Labropoulos, BSc (Med), PhD, DIC, RVT
7:45 - 7:53	Superficial Venous Crossroads Steve Elias, MD
7:53 – 8:01	The Nervous Side Of The Veins Nicos Labropoulos, BSc (Med), PhD, DIC, RVT
8:01 - 8:09	I Have Good Pulses But My Left Leg Hurts When I Walk Antonios P . Gasparis, MD
8:09 - 8:17	Connecting The Pelvis With The Lower Extremity Mark H. Meissner, MD
8:17 - 8:25	This Is Not An Inguinal Hernia Luis R. Leon, MD, RVT
8:25 - 8:33	Arm Swelling That Recently Became Worse David L. Gillespie, MD
8:33 - 8:41	Swelling And Veins: How Good Is Your Physical Exam? <i>Peter J. Pappas</i> , MD
8:41 - 8:49	Having Pain In The Left Flank Thomas S. Maldonado, MD
8:49 - 8:57	Having A Belly Ache After A Remote DVT Apostolos K. Tassiopoulos, MD

SESSION 15

HANDS-ON REAL TIME IMAGING WITH THE EXPERTS - CHRONIC VENOUS INSUFFICIENCY IMAGING (CVI)

This will be a live scanning session designed to allow the audience to pose questions and interact with the speaker while the patient is being scanned.

Moderators:	George L. Berdejo, BA, RVT Josh Cruz, BS, RVT
8:57 - 9:10	How To Perform The Examination For CVI William B. Schroedter, BS, RVT, RPhS
9:10 - 9:20	Panel Discussion (Combined Sessions 14 and 15)
9:20 - 9:40	Break – Visit Exhibits (South Corridor, 2nd Floor)

Sean P. Roddy, MD

ID

9:20	- 9:40	Break – Visit Exhibits (South Corridor, 2nd Floor)
EFF	ION 16 ECTS Of erator:	THE CHANGING HEALTHCARE ENVIRONMENT ON VASCULAR ULTRASOUNE Anne M. Jones, RN, BSN, RVT, RDMS
9:40	- 9:48	What Happened To The CARE Bill And Where Do We Go From Here? Anne M. Jones, RN, BSN, RVT, RDMS
9:48	- 9:56	Financial Impact Of The ACA To Date And In The Future: What Will It Mean To Vascular Ultrasound And Surgery And The New Physician Fee Schedule (PFS) Issues? Robert M. Zwolak, MD, PhD
9:56	- 10:04	Update On Coding And Reimbursement Issues For Vascular Surgery: Now, In 2016 And Beyond

10:04 – 10:12	How Will IAC Enforce And Implement Mandatory Credentialing: What Will The Impact Be On Reaccreditation And LCDs? Sandra L. Katanick, RN, RVT, CAE		
10:12 – 10:20	Sonography Credentialing: Recertification And "Advanced Practice" Status: What Is On The Horizon For The Sonography Professional $Michael\ P.\ Lilly,\ MD$		
10:20 – 10:28	Lessons Learned From An Appeal Process With First Coast Insurance In Florida: What To Do If It Happens To You William B. Schroedter, BS, RVT		
10:28 - 10:40	Panel Discussion		
10:40 - 10:45	Transition to Workshops (Sutton Complex, 2nd Floor)		
session 17 WORKSHOF	P ROTATION II: IMAGING ESSENTIALS		
10:45 – 11:45			
REGENT PARLOR	1. Carotid Imaging Richard Dubin, AAS-DMS, RVT, RDMS		
MADISON SUITE	2. LE Venous – DVT William B. Schroedter, BS, RVT, RPhS Kelvin Portalatin, AA, RVT		
SUTTON PARLOR CENTER	3. LE Venous – Chronic Venous Insufficiency Testing Nicos Labropoulos, BSc (Med), PhD, DIC, RVT		
NASSAU SUITE WEST	4. Hemodialysis Access Susan M. Gustavson, RVT		
NASSAU SUITE EAST	5. Lower Extremity Arterial Imaging Natalie A. Marks, MD, RVT, RPVI		
SUTTON PARLOR SOUTH	6. Renal Artery Imaging Cindy A. Owen, RVT, RDMS		
GIBSON SUITE	7. Basic Echocardiography For The Vascular Sonographer/Technologist David M. Williams, MS, RDCS, RVT		
CLINTON SUITE	8. Transcranial Doppler Joseph P. Hughes, RVT, RVS		
MURRAY HILL SUITE	9. Case Interpretation Potpourri Laurence Needleman, MD		
11:45 – 11:50	Lunch - Visit Exhibits (Pick up Lunch in the Exhibit Area, South Corridor, 2nd Floor)		
session 18 LUNCHEON	I PROGRAM: HEMODIALYSIS ACCESS		
Moderators:	George L. Berdejo, BA, RVT William D. Suggs, MD		
11:50 – 12:00	Planning A Successful Dialysis Access Procedure: Strategic Use Of The Ultrasound Findings Is Paramount But It's A Multidisciplinary Collaborative Effort William D. Suggs, MD		
12:01 – 12:11	Ultrasound Evaluation Of AVF And Prosthetic Graft Complications - Vascular And Otherwise Leslie M. Scoutt, MD		
12:12 – 12:22	AVF For Hemodialysis: Is There A Relationship Between Very High Flow And Cardiac Damage? Sergio X. Salles-Cunha, PhD, RVT		
12:23 – 12:33	Balloon Assisted Maturation Of The Newly Created Arterio-Venous Fistulas In The Office Natalie A. Marks, MD, RVT, RPVI		

12:34 - 12:45 Transition to Workshops (Sutton Complex, 2nd Floor)



Friday

SESSION 19

WORKSHOP ROTATION III: IMAGING ESSENTIALS

12:45 - 1:40

REGENT PARLOR 1. Carotid Imaging

Richard Dubin, AAS-DMS, RVT, RDMS

MADISON SUITE 2. LE Venous Reflux

William B. Schroedter, BS, RVT, RPhS

SUTTON PARLOR CENTER 3. LE Venous - DVT

William N. Del Valle, RVT

NASSAU SUITE WEST 4. Hemodialysis Access

Susan M. Gustavson, RVT

NASSAU SUITE EAST 5. Lower Extremity Arterial Imaging

Ann Marie Kupinski, PhD, RVT

SUTTON PARLOR SOUTH 6. Renal Artery Imaging

Cindy A. Owen, RVT, RDMS

GIBSON SUITE 7. Basic Echocardiography For The Vascular Sonographer/Technologist

David M. Williams, MS, RDCS, RVT

CLINTON SUITE 8. Transcranial Doppler

Joseph P. Hughes, RVT, RVS

MURRAY HILL SUITE 9. Case Interpretation Potpourri

Laurence Needleman, MD

1:40 - 1:45 Transition to Plenary Sessions

(Murray Hill Suites East and West, 2nd Floor)

SESSION 20

VENOUS DISEASE CHALLENGES

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

1:45 - 1:54 Challenging The Paradigm: How The Vein Valves Really Work

Mark H. Meissner, MD

1:54 - 2:03 Manifestations Of Venous Hypertension In The Extremities: Unusual Venous Disease

Phillip J. Bendick, PhD, RVT

2:03 - 2:12 Detection Of Chronic Venous Obstruction

Nicos Labropoulos, BSc (Med), PhD, DIC, RVT

2:12 - 2:21 Calf Vein DVT Controversies

Laurence Needleman, MD

2:21 - 2:30 Common Non-Thrombotic Pathology Encountered During The Leg Vein Evaluation: How To Evaluate

And Report Your Findings

Leslie M. Scoutt, MD

2:30 - 2:39 Evaluation Of Pelvic Congestion Syndrome

Mark H. Meissner, MD

2:39 - 2:48 IVC Filters...Friend Or Foe?

Richard C. Pennell, MD

2:48 - 2:57 How Long To Anticoagulate After DVT: Duplex Imaging Guides Treatment Duration

Gregory L. Moneta, MD

2:57 - 3:10 Panel Discussion

3:10 - 3:20 Break - Visit Exhibits (South Corridor, 2nd Floor)

SESS			
			ND BEFORE, DURING AND AFTER ENDOVASCULAR INTERVENTIONS
Mod	era	tors:	George L. Berdejo, BA, RVT
			Natalie A. Marks, MD, RVT, RPVI
3:20	-	3:29	Rational Use Of Duplex Ultrasonography For Surveillance Post-Endovascular Aneurysm Repair (EVAR) Robert M. Zwolak, MD, PhD
3:30	-	3:39	Ultrasound Imaging For EVAR Surveillance: Focus On Endoleak Or Aneurysm Size: Can The Examination Be Streamlined And Technical Tips To Facilitate The Exam $Phillip\ J.\ Bendick,\ PhD,\ RVT$
3:40	-	3:49	Endovenous Thermal Ablation: Lessons Learned Over A 12-Year Period Anil P. Hingorani, MD
3:50	-	3:59	Ultrasound Guided Foam Sclerotherapy: The Next Frontier For Endovenous Therapy Natalie A. Marks, MD, RVT, RPVI
4:00	-	4:09	Assessment And Treatment Of Iliac Vein Obstructions With IVUS And Venography $\it Enrico Ascher, MD$
SESS	101	J 22	
			HNIQUES AND EVOLVING CONCEPTS RELATED TO CEREBROVASCULAR
			-
		CAL IS	
Mod	era	tor:	Phillip J. Bendick, PhD, RVT
4:10	-	4:20	Using Ultrasound To Diagnose Fibromuscular Dysplasia: Interesting Cases Heather L. Gornik, MD
4:21	-	4:31	Carotid Duplex Surveillance Is Over-Utilized And Is Not Necessary After CEA With Patch Closure Ali F. AbuRahma, MD
4:32	-	4:42	Contrast Enhanced 3D Duplex And Carotid Artery Flow Dynamics To Detect Plaque Changes And Identify High Risk Asymptomatic Patients For Invasive Treatment Brajesh K. Lal, MD
4:43	-	4:53	The Promise Of 3D Carotid Ultrasound And The Value Of Carotid Plaque Motion Analysis Andrew N. Nicolaides, MS

4:54 - 5:04 Alternate Parameters For Detecting Intracerebral Vasospasm Using Transcranial Doppler

Steven M. Hertz, MD, RVT

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

Symposium Ends

5:35

5:05 - 5:25 Panel Discussion (Combined Sessions 21 and 22)

5:25 - 5:35 Closing Remarks And Raffle Drawing (You Must Be Present To Win)



WORKSHOP ROTATIONS

WORKSHOP ROTATIONS

AVIDsymposium 2015 WORKSHOP ROTATIONS SCHEDULE FRIDAY - SATURDAY, NOVEMBER 20-21, 2015

	MURRAY HILL SUITE (2ND FLOOR) ROOM 1	ROOM 2	ROOM 3	ROOM 4	ROOM 5	ROOM 6	ROOM 7		
FRIDAY, NOVEMBER 20 TH 1:05 PM – 2:00 PM ROTATION (1) Americas Hall, 2nd Floor	Interpreting with the Masters: Clinical Conundrums in Carotid Imaging: A Case Study Review	Interpreting with the Masters: Adventures in Unusual Abdominal and Upper Extremity Vein Cases	Interpreting with the Masters: Lower Extremity Arterial and Venous Cases	More on Cardiac Effects on Peripheral Imaging: Cardiac Influence on Peripheral Vascular Arterial, Venous and Carotid Studies – A Case Study Analysis	Billing and Coding	Test Taking Strategies	IAC Vascular Testing: New Qi Requirements		
	L. Needleman R. Pennell H. Gornik	L. Scoutt B. Satiani	N. Marks N. Labropoulos	C. Miranda D. Williams	J. Hughes W. Schroedter	F. Miele	S. Katanick		
	MURRAY HILL SUITE (2ND FLOOR)	REGENT PARLOR	MADISON SUITE	SUTTON PARLOR CENTER	NASSAU SUITE WEST	NASSAU SUITE EAST	SUTTON PARLOR SOUTH	GIBSON SUITE	CLINTON SUITE
SATURDAY, NOVEMBER 215T 10:45 AM -11:45 AM ROTATION 2	Case Interpretation Potpourri	Carotid Imaging	LE Venous – DVT	LE Venous — Chronnic Venous Insufficiency Testing	Hemodialysis Access Lower Extremity Arterial Imaging	Lower Extremity Arterial Imaging	Renal Artery Imaging Basic Echool For the Sonog Echo	Basic Echocardiography for the Vascular Sonographer/ Technologist	Transcranial Doppler
SUTTON Complex, 2nd Floor	L. Needleman	R. Dubin	W. Schroedter K. Portalatin	N. Labropoulos	S. Gustavson	N. Marks	C. Owen	D. Williams	J. Hughes
	MURRAY HILL SUITE (2ND FLOOR)	REGENT PARLOR	MADISON SUITE	SUTTON PARLOR CENTER	NASSAU SUITE WEST	NASSAU SUITE EAST	SUTTON PARLOR SOUTH	GIBSON SUITE	CLINTON SUITE
SATURDAY, NOVEMBER 21 ^{5T} 12:45 PM –1:40 PM ROTATION ®	Case Interpretation Potpourri	Carotid Imaging	LE Venous Reflux	LE Venous – DVT	Hemodialysis Access Lower Extremity Arterial Imaging	Lower Extremity Arterial Imaging	Renal Artery Imaging	Basic Echocardiography for the Vascular Sonographer/ Technologist	Transcranial Doppler
SUTTON Complex, 2nd Floor	L. Needleman	R. Dubin	W. Schroedter	W. Del Valle	S. Gustavson	A. Kupinski	C. Owen	D. Williams	J. Hughes

FACULTY LISTING AND FACULTY DISCLOSURE STATEMENT

Ali F. AbuRahma, MD

Charleston, West Virginia

Fernando Amador, RVT

New York, New York

Enrico Ascher, MD

Brooklyn, New York

В

Phillip J. Bendick, PhD, RVT, FSVU

Royal Oak, Michigan

George L. Berdejo, BA, RVT, FSVU

White Plains, New York

C

Joshua Cruz, RVT

New Haven, Connecticut

D

William N. Del Valle, RVT

New York, New York

Richard Dubin, AAS-DMS, RVT, RDMS.

Bronx, New York

Ε

Steve Elias, MD

Englewood, New Jersey

G

Antonios P. Gasparis, MD

Stony Brook, New York

David L. Gillespie, MD

Fall River, Massachusetts

Heather L. Gornik, MD

Cleveland, Ohio

Susan M. Gustavson, RVT

New York, New York

Н

John (Jeb) W. Hallett, MD

Charleston, South Carolina

Steven M. Hertz, MD, RVT

Livingston, New Jersey

Anil P. Hingorani, MD

Brooklyn, New York

Joseph P. Hughes, RVT, RVS, FSVU

Taunton, Massachusetts

Glenn Jacobowitz, MD

New York, New York

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

Charleston, South Carolina

K

Sandra L. Katanick, RN, RVT, CAE, FSVU

Ellicott City, Maryland

Frederick Kremkau, PhD

Winston-Salem, North Carolina

Ann Marie Kupinski, PhD, RVT, FSVU

Albany, New York

L

Nicos Labropoulos, BSc (Med), PhD, DIC, RVT

Stony Brook, New York

Brajesh K. Lal, MD

Baltimore, Maryland

Luis R. Leon, MD, RVT, FACS

Tucson, Arizona

Michael P. Lilly, MD

Baltimore, Maryland

M

Thomas S. Maldonado, MD

New York, New York

Natalie A. Marks, MD, RPVI, RVT

Brooklyn, New York

Mark H. Meissner, MD

Seattle, Washington

Frank Miele, MSEE

Forney, Texas

Carol Miranda, RVT, RDMS, RDCS, FSVU

Richmond, Virginia

Gregory L. Moneta, MD

Portland, Oregon

Ν

Deepak G. Nair, MD, MS, RVT

Sarasota, Florida

Laurence Needleman, MD

Philadelphia, Pennsylvania

Andrew N. Nicolaides, MS, FRCS

Nicosia, Cyprus

0

Mark A. Oliver, MD, RVT, RPVI, FSVU

Morristown, New Jersey

Cindy A. Owen, RVT, RDMS, FSDMS

Powhatan, Arkansas

P

Peter J. Pappas, MD

Brooklyn, New York

Richard C. Pennell, MD, FACS

St. Louis, Missouri

Kelvin Portalatin, AA, RVT

Bronx, New York

Sean P. Roddy, MD Albany, New York	
S	
Sergio X. Salles-Cunha, PhD, RVT, FSVU Itanhaem, SP, Brazil	
Bhagwan Satiani, MD, MBA Columbus, Ohio	
William B. Schroedter, BS, RVT, RPhS, FSVU Venice, Florida	
Leslie M. Scoutt, MD New Haven, Connecticut	
Michael J. Singh, MD Pittsburgh, Pennsylvania	
William D. Suggs, MD White Plains, New York	
т	
Apostolos K. Tassiopoulos, MD Stony Brook, New York	_
W	

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

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

R

Z

FACULTY DISCLOSURE STATEMENT

ADVANCES IN VASCULAR IMAGING AND DIAGNOSIS (AVIDsymposium) NOVEMBER 20-21, 2015

In accordance with the Standards for Commercial Support issued by the Accreditation Council for Continuing Medical Education (ACCME), The Cleveland Clinic Foundation Center for Continuing Education requires resolution of all faculty conflicts of interest to ensure CME activities are free of commercial bias.

The following faculty have indicated that they may have a relationship which, in the context of their presentation(s), could be perceived as a potential conflict of interest:

Heather L. Gornik

 $Company (ies): \ IAC\ Vascular\ Testing\ Society\ of\ America,\ Summit\ Doppler\ Systems,\ Flexlife\ Health$

Relationship(s): Board Membership

The following faculty have indicated they have no relationship which, in the context of their presentation(s), could be perceived as a potential conflict of interest:

Ali F. AbuRahma Frederick Kremkau Kelvin Portalatin

Fernando Amador Ann Marie Kupinsk Sean P. Roddy

Enrico Ascher Nicos Labropoulos Sergio X. Salles-Cunha

Phillip J. Bendick Brajesh K. Lal Bhagwan Satiani

George L. Berdejo Luis R. Leon William B. Schroedter

Joshua Cruz Michael P. Lilly Leslie M. Scoutt

William N. Del Valle Thomas S. Maldonado Michael J. Singh

Richard Dubin Natalie A. Marks William D. Suggs

Steve Elias Mark H. Meissner Apostolos K. Tassiopoulos

Antonios P. Gasparis Frank Miele David M. Williams

David L. Gillespie Carol Miranda Robert M. Zwolak

Susan M. Gustavson Gregory L. Moneta

John (Jeb) W. Hallett Deepak G. Nair

Steven M. Hertz Laurence Needleman

Anil P. Hingorani Andrew N. Nicolaides

Joseph P. Hughes Mark A. Oliver

Glenn Jacobowitz Cindy A. Owen

Anne M. Jones Peter J. Pappas

Sandra L. Katanick Richard C. Pennell

CME CERTIFICATE AND COURSE EVALUATION FORM

CME CERTIFICATES AND COURSE EVALUATION FORM

Your CME certificate will be available online immediately following the meeting. Please refer to the instructions below on how to obtain your certificate and complete a brief, optional course evaluation.

How to Apply for AVIDsymposium AMA PRA CATEGORY 1 CME Credit™ using My CME:

Step 1: Go to: www.ccfcme.org/AVID2015-live

Step 2: Login using your existing 'My CME' login
Please note: If you can't remember your password, please use the 'forgot password' link
Forgot your password? Please click the following link to reset: Click here

EXAMPLE Login:

Email Address: johndoe@aol.com Password: 999999

PLEASE NOTE: If you did not provide an email address at registration please login using: Email Address: johndoe@noemail.com Password: 999999

If both of these login options fail please create a new account by clicking on the following link and completing the information: ccfcme.org/newprofile. Once your account has been created you will be returned to the login page. Please login with the email address and password you chose.

Step 3: Select the number of credits you are claiming from the dropdown list. Complete the Evaluation form and click 'submit'. You will see your certificate displayed on screen. You may then print it. The database will store it for reprinting at a future date as required.

You can log in to: ccfcme.org/cmelogin at any time to access your certificates, transcript and self-report other CE items to the 'My CE' Log. Etc.

Step 4: Please take the time to click on the 'Edit Profile' button after logging in and verify that all your information is correct (as well as change your password for future logins if desired). It is important to note that your certificate type (Physician/Non-Physician) is dependent on the 'Professional Category' field. If you are seeing the wrong certificate type, switch your category. This will automatically update the certificate which you can view by clicking on the 'MyCME home' button to refresh the page and then click on the 'participation date' of the certificate that you wish to print/reprint.



NOTES



LOTES		
NOTES		



NOTES



LOTES		
NOTES		



NOTES

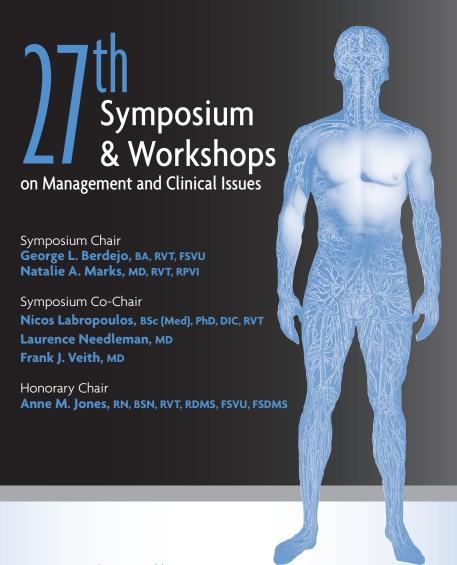


LOTES		
NOTES		



SAVE THE DATE!

Friday - Saturday, November 18-19, 2016



Sponsored by



