



ADVANCED  
INTERVENTIONAL  
MANAGEMENT



Monday - Thursday, November 12 - 15, 2018

# 26<sup>th</sup> Symposium on Current Issues and New Techniques in Interventional Radiology and Endovascular Therapy

Multidisciplinary Acute Stroke Management Sessions Included

Symposium Chairman

**Jacob Cynamon, MD**

Executive Committee

**Curtis W. Bakal, MD, MPH**

**Michael D. Dake, MD**

**Ziv J. Haskal, MD**

**Barry T. Katzen, MD**

Symposium Co-Chairmen

**Allan L. Brook, MD**

**Frank J. Veith, MD**

Scientific Committee

**Ripal T. Gandhi, MD**

**Amy R. Deipolyi, MD, PhD**

**Yosef Golowa, MD**

**David J. Altschul, MD**

**Todd S. Miller, MD**

**Richard L. Zampolin, MD**

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[www.AIMsymposium.org](http://www.AIMsymposium.org)

## ACKNOWLEDGMENTS

The Cleveland Clinic Foundation Center for Continuing Education and AIMsymposium acknowledge educational grants in support of this activity from:

*Bard Peripheral Vascular, Inc.*

*Gore & Associates, Inc.*

*Penumbra, Inc.*

*Sirtex Medical Inc.\**

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Richard L. Zampolin, MD

**WORKSHOP COORDINATOR**

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**SYMPOSIUM MANAGING DIRECTOR**

Jacqueline M. Simpson, BBA

**SYMPOSIUM ASSOCIATE DIRECTOR**

Steven J. Feld, MSW

**CENTER FOR CONTINUING EDUCATION**

Steven M. Kawczak, PhD

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# GENERAL INFORMATION

## NEEDS ASSESSMENT

Vascular disease is a leading cause of disability and death in patients over age 50. Nonvascular intervention, especially in oncology patients, continues to increase in most busy practices. As such, there is a critical need for physicians who manage these patients to receive CME in this area. To address this need, the AIMsymposium will review the latest pharmacologic, radiologic, surgical and endovascular techniques and technologies as well as discuss when these treatments are needed to improve the competence and performance of participants. Updates on clinical trials and opportunities for dialogue with experts in the field will provide insight, along with the latest data on the results of the various treatment modalities.

## SYMPOSIUM FORMAT / GOAL

The Advanced Interventional Management Symposium (AIMsymposium) will be held Monday - Thursday, November 12 - 15, 2018. The scientific sessions, panel discussions and case presentations, presented by a nationally renowned faculty, will provide a concise overview of the most current issues and hands-on experience in new techniques in percutaneous, endovascular and surgical treatment methods. Highlights of the meeting will include hands-on workshops, didactic workshops and case presentations that optimize learning and are applicable to your practice. There will be special emphasis on radial access, prostate intervention, interventional oncology, PVD, aneurysms, embolization devices, TIPS, fibroid management, hemodialysis access, venous disease and venous interventions. Additionally, there will be a full-day program devoted to important topics related to acute stroke management.

## ASSOCIATE FACULTY PODIUM PRESENTATIONS PROGRAM

In order to provide interventional radiology and neurointerventional radiology fellows, residents and aspiring IR/INR medical students with podium experience, the AIMsymposium will hold its second Associate Faculty Podium Presentations Program. Interventional Radiology and Neuroradiology Fellows, Residents and Medical Students can submit an abstract to the Associate Faculty Program for presentation at the podium. Accepted abstracts will be posted on the AIMsymposium website for up to one full year and can be used for reference. The best three presentations will receive cash prizes. The program is also open to interventional radiologists and neurointerventionalists in their first 2 years of practice.

## SYMPOSIUM OBJECTIVES

At the conclusion of this meeting, participants will be able to:

- Acquire new knowledge in the diagnosis and treatment of peripheral vascular disease
- Diagnose and treat abdominal aortic aneurysms in a minimally invasive manner
- Diagnose and treat various types of tumors with embolic agents and ablation devices using imaging
- Review the normal anatomy and the pathology of veins in the lower extremities
- Describe the various methods of maintaining vascular access in the dialysis patient
- Summarize recent data on the treatment advances for venous disease and explain their clinical implications
- Assess best practices in acute stroke management

## TARGET AUDIENCE

Interventional Radiologists, Vascular Surgeons, Interventional Cardiologists, Interventional Nephrologists, Neurosurgeons, Neuroradiologists, Interventional Neurologists, Oncologists and all Health Care Practitioners involved in image guided procedures.

# GENERAL INFORMATION

## 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 **35.75** *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.

## CME CERTIFICATES AND COURSE EVALUATION FORM

CME certificates will be available online at [www.aimsymposium.org](http://www.aimsymposium.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, 2019**.

## 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 AIMSsymposium requires special assistance, please send written request to AIMSsymposium by e-mail to [admin@aimsymposium.org](mailto:admin@aimsymposium.org) at least one month prior to the activity.

## ONLINE ACCESS TO ABSTRACTS

Presentation slides will be used as abstracts and will be available on the program page of the AIMSsymposium website at [www.aimsymposium.org](http://www.aimsymposium.org) after the meeting. Abstracts will be available on the website for one full year.

## GENERAL SESSIONS

General Sessions will be held in the Murray Hill Suites, 2nd Floor.

## CONCURRENT THURSDAY PROGRAMS

### MULTIDISCIPLINARY ACUTE STROKE MANAGEMENT

8:00 A.M. – 5:30 P.M.

**Location:** Murray Hill Suites, 2nd Floor

### HANDS-ON WORKSHOPS

8:00 A.M. - 10:00 A.M.

**Location:** Concourse A, Concourse Level

### ASSOCIATE FACULTY PODIUM PRESENTATIONS PROGRAM

11:00 A.M. - 3:00 P.M.

**Location:** Concourse A, Concourse Level

## SOCIAL EVENTS

### FIRST HAND TICKETS

The love of live entertainment is what drives us. Specializing in hard to find, and sold out events - our mission is to get everyone a great seat. With a seasoned staff, we guarantee to exceed your expectations. Most importantly we ensure a safe and friendly transaction. At **First Hand Tickets** we are proud to be the leading Ticket Agency in New York focusing in all Sports, Theater and Concert events around the world. From single tickets to large groups, we will accommodate your needs with professionalism and attention to detail. Experience a new level of entertainment with First Hand Tickets.

For more information or to arrange your social events while at AIMsymposium, please contact:

Warren Schreiber at [wschreiber@firsthandtickets.com](mailto:wschreiber@firsthandtickets.com)

Phone: 516-376-8092 or (866) 375-7591

## 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 8, 2018. *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 62334631

E-mail: [Diane.M.Geneva@amexgbt.com](mailto:Diane.M.Geneva@amexgbt.com)

## MONDAY, NOVEMBER 12, 2018

- 7:00 A.M. **General Registration – Rhinelander Gallery, 2nd Floor**  
 7:00 A.M. **Faculty Registration – Morgan Suite, 2nd Floor**  
 7:00 A.M. **Associate Faculty Registration – Rhinelander Gallery, 2nd Floor**  
 7:00 A.M. **Continental Breakfast – South Corridor, 2nd Floor**

**7:50 – 8:00** **Opening Remarks**  
*Jacob Cynamon, MD*

SESSION 1 (Murray Hill Suites, 2nd Floor)  
**PROSTATE IMAGING AND INTERVENTION**

*Moderators: Curtis W. Bakal, MD, MPH*  
*Jacob Cynamon, MD*

- 8:00 – 8:10** Clinical Urology: What You Must Know Prior To Embarking On A PAE Program  
*Kara Watts, MD*
- 8:10 – 8:20** Imaging Prior To PAE: MR, CTA And Cone Beam CT: Are They All Necessary  
*Riad Salem, MD, MBA*
- 8:20 – 8:30** Navigating Difficult Anatomy: The Microcatheters And Guidewires That Lead To Success  
*Aaron M. Fischman, MD*
- 8:30 – 8:40** Prostatic Artery Anatomy And Management Of Collaterals  
*Ari J. Isaacson, MD*
- 8:40 – 8:50** Practice Development In The Era Of FDA Approved Prostatic Artery Embolic Agents  
*Jafar Golzarian, MD*
- 8:50 – 9:00** Peri And Post PAE Procedure Management: My Patient Is In Agony, What Should I Do  
*Shivank Bhatia, MD*
- 9:00 – 9:10** Update On The Results Of PAE: Was It Worth The Wait  
*Sandeep Bagla, MD*
- 9:10 – 9:20** Prostate Imaging And MRI-US Fusion Prostate Biopsy For The Diagnosis Of Prostate Cancer  
*Evan Z. Kovac, MD*
- 9:20 – 9:30** Interventional Radiologists' Role In The Management Of Prostatic Cancer  
*Shivank Bhatia, MD*
- 9:30 – 9:40** Renal Cell Carcinoma: When Is Percutaneous Ablation Indicated And Why  
*Sirish A. Kishore, MD*
- 9:40 – 9:50** **Panel Discussion**
- 9:50 – 10:10** **Break – Visit Exhibits (South Corridor, 2nd Floor)**

SESSION 2 (Murray Hill Suites, 2nd Floor)  
**INTERVENTIONAL ONCOLOGY:  
 NEUROENDOCRINE AND COLON**

*Moderators: Ryan Hickey, MD*  
*Renee M. Moadel, MD*

- 10:10 – 10:20** NET: An Overview Of Symptoms And Management  
*Nicholas Fidelman, MD*  
*Maureen Kohi, MD*

- 10:20 – 10:30** Role Of TAE Or TARE In The Management Of NET  
*Nicholas Fidelman, MD*  
*Maureen Kohi, MD*
- 10:30 – 10:40** PRRT: A New Therapy For NET: What Is It And How Does It Work  
*Lisa Bodei, MD, PhD*
- 10:40 – 10:50** Colorectal Carcinoma: Prevention, Diagnosis And Early Management  
*Andreas Kaubisch, MD*
- 10:50 – 11:00** Liver Dominant mCRC: Surgical Resection, Embolization Or Ablation: How Do You Choose  
*Constantinos T. Sofocleous, MD, PhD*
- 11:00 – 11:10** Percutaneous Methods Of Preparing For Major Hepatectomy: LVD (Liver Venous Deprivation) vs. PVE  
*David C. Madoff, MD*
- 11:10 – 11:20** Radiation Embolization Segmentectomy And Radiation Embolization Lobectomy: Indications, Technique And Results  
*Riad Salem, MD, MBA*
- 11:20 – 11:30** ALPPS: A Surgical Method To Prepare For Major Hepatectomy  
*Juan P. Rocca, MD*
- 11:30 – 11:40** Optimizing Ablative Techniques Using New Image Guidance, And Ablation Confirmation Software  
*Joshua L. Weintraub, MD*
- 11:40 – 11:50** Are Robotics Helpful In Accurate Positioning Of Biopsy And Ablation Needles  
*S. Nahum Goldberg, MD*
- 11:50 – 12:00** What Did We Learn From SIRFLOX And Other RCT For mCRC: Can We Do Better  
*Edward Kim, MD*
- 12:00 – 12:10** **Panel Discussion**
- 12:10 – 1:10** **Lunch Break – South Corridor, 2nd Floor**  
**Visit Exhibits (South Corridor, 2nd Floor)**

SESSION 3 (Murray Hill Suites, 2nd Floor)

INTERVENTIONAL ONCOLOGY: PANCREAS AND LIVER

*Moderators: Amy R. Deipolyi, MD, PhD*

*Riad Salem, MD, MBA*

- 1:10 – 1:20** Pancreatic Cancer: Defining Resectable, Borderline Resectable And Locally Advanced Disease  
*Victoria Chernyak, MD, MS*
- 1:20 – 1:30** Medical And Surgical Management Of Resectable And Borderline Resectable Disease  
*Peter Muscarella II, MD*
- 1:30 – 1:40** Percutaneous Options For Pancreatic Cancer  
*Govindarajan Narayanan, MD*
- 1:40 – 1:50** Double Balloon Isolated Perfusion Of Gemcitabine For Locally Advanced Pancreatic Cancer  
*Jacob Cynamon, MD*
- 1:50 – 2:00** Immunologic Response To Regional Therapy  
*Joseph P. Erinjeri, MD, PhD*
- 2:00 – 2:10** Management Implications Of LI-RADS Categories  
*Victoria Chernyak, MD, MS*

- 2:10 – 2:20** Management Of HCC: A Review Of The Literature – Medical, Operative Or Local Regional Therapy  
*Jean Francois H. Geschwind, MD*
- 2:20 – 2:30** Local Regional Management Of HCC: TACE, TARE Or Ablate  
*Riad Salem, MD, MBA*
- 2:30 – 2:40** Role Of SBRT In The Management Of HCC  
*Rafi Kabarriti, MD*
- 2:40 – 2:50** **DEBATE:** Flow Directed vs. Flow Redirected Embolization Using Proximal Flow Restriction: Advantages Of Flow Directed Embolization  
*Michael G. Tal, MD, MBA*
- 2:50 – 3:00** **DEBATE:** Flow Directed vs. Flow Redirected Embolization Using Proximal Flow Restriction: Advantages Of Flow Redirected Embolization  
*Steven C. Rose, MD*
- 3:00 – 3:10** **Panel Discussion**
- 3:10 – 3:50** Hands-On Workshops: Microcatheters, Embolic Agents And Devices, Ablation Devices

SESSION 4 (Murray Hill Suites, 2nd Floor)

**INTERVENTIONAL ONCOLOGY: LUNG AND BONE**

**Moderators:** *Marcy B. Jagust, MD*

*Theresa M. Caridi, MD*

- 3:50 – 4:00** Metastatic Breast Cancer: What Does IR Have To Offer  
*Amy R. Deipolyi, MD, PhD*
- 4:00 – 4:10** Lung Cancer Screening: What Is Benign And What Is Not  
*Linda B. Haramati, MD, MS*
- 4:10 – 4:20** Ablation For Lung Metastases: When Can It Be The Treatment Of Choice  
*Constantinos T. Sofocleous, MD, PhD*
- 4:20 – 4:30** Management Of Painful Bone And Soft Tissue Metastatic Lesions  
*Majid Maybody, MD*

SESSION 5 (Murray Hill Suites, 2nd Floor)

**CIRRHOSIS / PORTAL HYPERTENSION**

**Moderators:** *Ernest J. Ring, MD*

*Rahul S. Patel, MD*

- 4:30 – 4:40** Pathophysiology Of Cirrhosis And Information Gained From Fibroscans Or MR Elastography  
*Samuel Sigal, MD*
- 4:40 – 4:50** Transjugular Liver Biopsies: Indications, Technique, Results And Complications  
*Matthew S. Johnson, MD*
- 4:50 – 5:00** Transfemoral Transcaval Liver Biopsies: Safety And Efficacy In Over 200 Cases  
*Jacob Cynamon, MD*
- 5:00 – 5:10** Indications For TIPS Or BRTO: How Do I Choose  
*Ziv J. Haskal, MD*
- 5:10 – 5:20** Technical Tips For Successful BRTO Even In The Presence Of Ectopic Varices  
*Wael E. Saad, MD*

- 5:20 – 5:30** Acute And Chronic Portal Vein Thrombosis: Techniques For Success  
*Riad Salem, MD, MBA*
- 5:30 – 5:40** Finally, A New Device To Simplify Creation Of A TIPS: The Scorpion  
*Wael E. Saad, MD*
- 5:40 – 5:50** Simplifying The TIPS Procedure By Using The Cynamon Technique  
*Jacob Cynamon, MD*
- 5:50 – 6:00** Panel Discussion

## TUESDAY, NOVEMBER 13, 2018

- 7:00 A.M.** General Registration – Rhinelander Gallery, 2nd Floor
- 7:00 A.M.** Faculty Registration – Morgan Suite, 2nd Floor
- 7:00 A.M.** Associate Faculty Registration – Rhinelander Gallery, 2nd Floor
- 7:00 A.M.** Continental Breakfast – South Corridor, 2nd Floor

- 7:50 – 8:00** *Opening Remarks*  
*Jacob Cynamon, MD*

SESSION 6 (Murray Hill Suites, 2nd Floor)

### RADIAL ARTERY ACCESS

*Moderators: David Sperling, MD*  
*Ari J. Isaacson, MD*

- 8:00 – 8:10** Radial Artery Or Femoral Artery Access: How To Choose  
*Aaron M. Fischman, MD*
- 8:10 – 8:20** What Tools Are Needed For Success: Avoiding Surprises  
*Marcelo Guimaraes, MD*
- 8:20 – 8:30** Visceral And Pelvic Angiography Via The Radial Artery: How Does It Differ From The Femoral Approach  
*Robert A. Lookstein, MD, MHCDC*
- 8:30 – 8:40** How Far Can You Reach And How Large Can You Go For The Treatment Of PVD  
*Rahul S. Patel, MD*
- 8:40 – 8:50** Radial Artery Access In The Management Of AV Fistulas: When Is It Indicated And When Is It Not  
*Jacob Cynamon, MD*
- 8:50 – 9:00** Advantages Of The Distal Radial (Snuffbox) Approach  
*Vivian Bishay, MD*
- 9:00 – 9:10** Avoiding And Managing Complications Of Radial Artery Access  
*Theresa M. Caridi, MD*
- 9:10 – 9:20** Femoral Access Should Not Be Forgotten: The Small And Large Exit Plan  
*Mona Ranade, MD*
- 9:20 – 10:10** Hands-On Workshops: Radial And Femoral Access

SESSION 7 (Murray Hill Suites, 2nd Floor)

**PERIPHERAL VASCULAR DISEASE**

*Moderators: Ripal T. Gandhi, MD*

*Andrew S. Blum, MD*

- 10:10 – 10:20** PAD Year In Review: Key Research Trials And Implications To Clinical Practice  
*Barry T. Katzen, MD*
- 10:20 – 10:30** Medical Management Of PAD In View Of New Trial Results: Review Of Guidelines And Potential Role For Anticoagulation  
*Andrew S. Blum, MD*
- 10:30 – 10:40** Advanced Techniques In The Contemporary Management Of Complex Aortoiliac Occlusive Disease  
*Ripal T. Gandhi, MD*
- 10:40 – 10:50** Role Of Thrombolysis vs. Mechanical Thrombectomy In The Management Of Acute Limb Ischemia  
*Rahul S. Patel, MD*
- 10:50 – 11:00** Current Paradigms In The Treatment Of Femoropopliteal Artery Occlusive Disease  
*Kevin Herman, MD*
- 11:00 – 11:10** The Right Tool For The Job: Which Atherectomy Device In What Case And The Role Of Shockwave In Calcified Vessels  
*Andrew S. Blum, MD*
- 11:10 – 11:20** Endovascular Management Of The CFA: The Next Frontier  
*Nilesh N. Balar, MD*
- 11:20 – 11:30** Results Of Self-Expanding Nitinol Stents Post-Dilated With Drug-Coated Balloon In The Treatment Of Femoropopliteal Disease  
*Mark W. Mewissen, MD, RVT*
- 11:30 – 11:40** Data Driven Guide To Current Management Of In-Stent Restenosis  
*Robert A. Lookstein, MD, MHCDL*
- 11:40 – 11:50** Tibial Disease: The Utilization Of Angiosomes And Angiographisomes In The Modern Management Of CLI  
*John H. Rundback, MD*
- 11:50 – 12:00** Pedal Access: When And How I Do It  
*Ripal T. Gandhi, MD*
- 12:00 – 12:10** Two Cutting Edge Techniques: Percutaneous Arterial Bypass (DETOUR) And Deep Vein Arterialization (LimFlow)  
*Andrej Schmidt, MD*
- 12:10 – 12:20** After The Intervention: Healing The Wound  
*Raghu Kolluri, MD*
- 12:20 – 12:30** Panel Discussion
- 12:30 – 1:20** Lunch Break - South Corridor, 2nd Floor  
Visit Exhibits And Pavilions (2nd and 3rd Floors)

SESSION 8 (Murray Hill Suites, 2nd Floor)

**AORTIC ANEURYSMS AND DISSECTIONS**

*Moderators: Ripal T. Gandhi, MD*

*Nilesh N. Balar, MD*

- 1:20 – 1:30** Non-Fenestrated Options For Treating Patients With Short, Diseased Proximal Aortic Neck  
*Andrew Holden, MBChB*

- 1:30 – 1:40** Fenestrated And Branched EVAR: Technique, Pitfalls, And Complications  
*Mark A. Farber, MD*
- 1:40 – 1:50** Laser-Assisted Transgraft Embolization: A Novel Approach To The Management Of Type II Endoleaks  
*Mark W. Mewissen, MD, RVT*
- 1:50 – 2:00** State-Of-The-Art In Type B Aortic Dissection: When Is Endovascular Repair Indicated  
*Michael D. Dake, MD*
- 2:00 – 2:10** Contemporary Management Of Persistent False Lumen Perfusion And Expansion Following TEVAR  
*Frank R. Arko, MD*
- 2:10 – 2:20** When Is Endovascular Repair Indicated In The Setting Of Aortic Infection  
*Anders Wanhainen, MD, PhD*
- 2:20 – 2:30** Renal Artery Stenting In Medically Resistant Renal Vascular Hypertension Or Ischemic Nephropathy Can Prevent Emergency Intervention  
*Thomas A. Sos, MD*
- 2:30 – 2:40** Alternative Access Sites For EVAR, TEVAR, And TAVR: Axillary Artery, Iliac Conduit, Transapical, Transcaval, Etc.  
*Rahul S. Patel, MD*
- 2:40 – 2:50** Use Of Virtual Reality For Optimizing Complex Endovascular Aneurysm Repair  
*Barry T. Katzen, MD*
- 2:50 – 3:00** Algorithm For Choosing The Right Patient For Carotid Stenting, Endarterectomy, And Medical Management In 2018  
*Klaus D. Mathias, MD*
- 3:00 – 3:10** Advances In Carotid Stenting: Technical Considerations  
*Claudio J. Schonholz, MD*
- 3:10 – 3:20** Training On A Simulator: Does It Improve Performance And Decrease Complications  
*Gabriel Bartal, MD*
- 3:20 – 3:30** **Panel Discussion**
- 3:30 – 4:20** Hands-On Workshops: Atherectomy Devices, Crossing Devices, Stents, Stent-Grafts

SESSION 9 (Murray Hill Suites, 2nd Floor)  
**PUSHING THE ENVELOPE OF IR**

*Moderators: Plinio Rossi, MD*  
*Ziv J. Haskal, MD*

- 4:20 – 4:30** Results Of Over 400 UAE Procedures: A New Aortography Free Technique To Identify Significant Collateral Supply  
*Jacob Cynamon, MD*
- 4:30 – 4:40** Regional Anesthesia And Other Techniques That Can Improve Patient Satisfaction In UFE  
*Theresa M. Caridi, MD*  
*Maureen Kohi, MD*
- 4:40 – 4:50** Ultrasound-Guided Regional Anesthesia For The Interventional Radiologist: Clinical Pearls From An Anesthesiologist  
*Ron E. Samet, MD*

<b>4:50 – 5:00</b>	<b>Hemorrhoidal Embolization: Does The Data Warrant Increased Use</b> <i>Jacob Cynamon, MD</i>
<b>5:00 – 5:10</b>	<b>Acute Lower GI Hemorrhage: The Role Of CTA, Provocative And Emperic Embolization</b> <i>Yosef Golowa, MD</i>
<b>5:10 – 5:20</b>	<b>Bariatric Surgery vs. Left Gastric Embolization: An Update</b> <i>Aravind Arepally, MD</i>
<b>5:20 – 5:30</b>	<b>Embolization For Arthritic Pain: Why, How And Results</b> <i>Sandeep Bagla, MD</i>
<b>5:30 – 5:40</b>	<b>Embolization For Recurrent Hemarthrosis: Why, How And Results</b> <i>David W. Trost, MD</i>
<b>5:40 – 5:50</b>	<b>Panel Discussion</b>

## WEDNESDAY, NOVEMBER 14, 2018

- 7:00 A.M. General Registration – Rhinelander Gallery, 2nd Floor**
- 7:00 A.M. Faculty Registration – Morgan Suite, 2nd Floor**
- 7:00 A.M. Associate Faculty Registration – Rhinelander Gallery, 2nd Floor**
- 7:00 A.M. Continental Breakfast – South Corridor, 2nd Floor**

SESSION 10 (Murray Hill Suites, 2nd Floor)

### PEDIATRIC VASCULAR AND LYMPHATIC IMAGING AND INTERVENTION

*Moderators: Yosef Golowa, MD*

*Shlomit Goldberg-Stein, MD*

<b>8:00 – 8:10</b>	<b>Lymphatic Anatomy And Diagnostic Imaging</b> <i>Bill S. Majdalany, MD</i>
<b>8:10 – 8:20</b>	<b>Lymphatic Intervention: Maximizing Success</b> <i>Gregory J. Nadolski, MD</i>
<b>8:20 – 8:30</b>	<b>Lymphatic Collections Outside The Thorax: Pathophysiology, Diagnosis And Management</b> <i>Bill S. Majdalany, MD</i>
<b>8:30 – 8:40</b>	<b>How To Manage Difficult Cases</b> <i>Gregory J. Nadolski, MD</i>
<b>8:40 – 8:50</b>	<b>Vascular Malformation In Children: Classification And Management</b> <i>Ahmad Alomari, MD, MSc</i>
<b>8:50 – 9:00</b>	<b>Fibroadipose Vascular Anomaly (FAVA) And Intramuscular Capillary Type Hemangioma (ICTH): How They Differ From Typical Vascular Anomalies And How Are They Treated</b> <i>Gulraiz Chaudry, MBChB</i>
<b>9:00 – 9:10</b>	<b>Percutaneous Treatment Of Complex Pediatric Vascular Disease</b> <i>Elchanan Bruckheimer, MBBS</i>
<b>9:10 – 9:20</b>	<b>The HHT Clinic: How To Get Started And What To Look For</b> <i>Sergei A. Sobolevsky, MD</i>

- 9:20 – 9:30** Pulmonary AVM: New Technique And Devices To Achieve Long-Lasting Results Without Complications  
*Jonathan Susman, MD*
- 9:30 – 9:40** **Panel Discussion**
- 9:40 – 10:30** Hands-On Workshops: Pediatric And Lymphatic Interventions

SESSION 11 (Murray Hill Suites, 2nd Floor)

**THE SWOLLEN EXTREMITY**

**Moderators:** *Paul J. Rochon, MD*

*Neil M. Khilnani, MD*

- 10:30 – 10:40** Clinical Staging Of Venous Disease  
*Neil M. Khilnani, MD*
- 10:40 – 10:50** Lymphatic Swelling: Making The Diagnosis And New Treatment Options  
*Stanley G. Rockson, MD*
- 10:50 – 11:00** Superficial Venous Varicosities: Sclerotherapy vs. Microphlebectomy  
*Steve Elias, MD*
- 11:00 – 11:10** Saphenous Vein Reflux And Pelvic Congestion: Which Should Be Treated First  
*Melvin Rosenblatt, MD*
- 11:10 – 11:20** Saphenous Vein Ablation: When Is It Indicated And When Not  
*Lowell S. Kabnick, MD, RPhS*
- 11:20 – 11:30** A Review Of Venous Ablation Devices And The Reimbursement Challenges  
*Melvin Rosenblatt, MD*
- 11:30 – 11:40** Evaluation And Management Of Pelvic Congestion And Pelvic Congestion Syndrome  
*Ronald S. Winokur, MD*
- 11:40 – 11:50** New Venous Stents: Are Dedicated Venous Stents Necessary And Why  
*Seshadri Raju, MD*
- 11:50 – 12:00** **Panel Discussion**
- 12:00 – 12:50** **Lunch Break - South Corridor, 2nd Floor**  
**Visit Exhibits And Pavilions (2nd and 3rd Floors)**

SESSION 12 (Murray Hill Suites, 2nd Floor)

**DVT/PE AND BUSINESS**

**Moderators:** *Jacob Cynamon, MD*

*Parag Patel, MD, MS*

- 12:50 – 1:00** DVT Controversies: When Should Acute DVT Be Treated  
*Paul J. Rochon, MD*
- 1:00 – 1:10** DVT Controversies: When Should Chronic DVT Be Treated  
*Mark J. Garcia, MD*
- 1:10 – 1:20** New Devices And Techniques For Rapid Clot Removal  
*Mahmood Razavi, MD*
- 1:20 – 1:30** Optimal Cases For Large Bore Thrombectomy Devices  
*John Moriarty, MD*
- 1:30 – 1:40** Controversies In Pulmonary Embolism: When Should Massive And Submassive PE Be Treated By IR  
*Parag Patel, MD, MS*

- 1:40 – 1:50** The Evolving Role Of The PERT  
*Akhilesh K. Sista, MD*
- 1:50 – 2:00** CTEPH: Chronic Thromboembolic Pulmonary Hypertension Percutaneous And Surgical Management  
*John Moriarty, MD*
- 2:00 – 2:10** IVC Filter Controversies: Current Indications And Contraindications For IVC Filters  
*Matthew S. Johnson, MD*
- 2:10 – 2:20** Can And Should All IVC Filters Be Removed, Even “Permanent” Filters  
*David W. Trost, MD*
- 2:20 – 2:30** Management Of Anticoagulation Associated With Heavy Menstrual Bleeding: IVC Filter Or UFE  
*Yosef Golowa, MD*  
*Jacob Cynamon, MD*
- 2:30 – 2:40** Maximizing Your IR Billing Using The Correct Codes For Procedures And E&M  
*Parag Patel, MD, MS*
- 2:40 – 2:50** Will Artificial Intelligence (AI) Replace Diagnostic Radiologists And How Can It Benefit IR  
*Gabriel Bartal, MD*
- 2:50 – 3:00** Setting Up An Outpatient Center: Which IR Procedures Are Preferably Done In An Outpatient Center And Why  
*David Sperling, MD*
- 3:00 – 3:20** **Panel Discussion**
- 3:20 – 4:00** Hands-On Workshops: IVC Filters, Retrievals, Venous Stents, Venous Ablation

SESSION 13 (Murray Hill Suites, 2nd Floor)

**NEW AND INNOVATIVE**

*Moderators: David A. Hirschl, MD*  
*Ernest J. Ring, MD*

- 4:00 – 4:10** What Is New In Renal And Biliary Drainage Procedures  
*Bob R. Smouse, MD*
- 4:10 – 4:20** IR Endoscopy Via A PTC: What You Need To Get Started  
*Kelvin Hong, MD*
- 4:20 – 4:30** Percutaneous Cholecystostomy, Stone Removal, Ablation  
*Eli Atar, MD*
- 4:30 – 4:40** If You Are Not Using CO<sub>2</sub>, Why Aren't You: It's Simple, Safe, Inexpensive And Very Helpful In A Range Of Procedures  
*Jim Caridi, MD*
- 4:40 – 4:50** Peripheral Vascular Disease: Diagnosis And Intervention With Minimal Contrast In The Presence Of Renal Insufficiency  
*Eli Atar, MD*
- 4:50 – 5:00** Percutaneous Gastrostomies: The Tried And True And The New  
*Arash Gohari, MD*
- 5:00 – 5:10** Percutaneous AV Creation: Devices, Results And Ancillary Procedures For Success  
*Bart L. Dolmatch, MD*

- 5:10 – 5:20** Management Of Failing AV Grafts And Fistulas: You Can Decrease Overall Cost By Spending More Upfront – Is This Fact Or Fiction  
*Ziv J. Haskal, MD*
- 5:20 – 5:30** Panel Discussion

## THURSDAY, NOVEMBER 15, 2018

- 7:00 A.M.** General Registration – Rhinelander Gallery, 2nd Floor
- 7:00 A.M.** Faculty Registration – Morgan Suite, 2nd Floor
- 7:00 A.M.** Associate Faculty Registration – Rhinelander Gallery, 2nd Floor
- 7:00 A.M.** Continental Breakfast – South Corridor, 2nd Floor

### CONCURRENT THURSDAY PROGRAMS

#### PROGRAM A: SESSIONS 14-20

##### Multidisciplinary Acute Stroke Management

8:00 A.M. – 5:30 P.M.

Murray Hill Suites East and West, 2nd Floor

**Course Leaders:** *Allan L. Brook, MD*  
*David J. Altschul, MD*  
*Todd S. Miller, MD*  
*Richard L. Zampolin, MD*

#### PROGRAM B: SESSION 21

##### Hands-On Workshops : TIPS And Transvenous Liver Biopsy

8:00 A.M. – 10:00 A.M.

Concourse A, Concourse Level

**Workshop Coordinator:** *Yosef Golowa, MD*

#### PROGRAM C: SESSIONS 22

Associate Faculty Podium Presentations Program

10:30 A.M. – 3:00 P.M.

Concourse A, Concourse Level

Visit [www.aimsymposium.org](http://www.aimsymposium.org) for details.

#### PROGRAM A (SESSIONS 14-20)

### MULTIDISCIPLINARY ACUTE STROKE MANAGEMENT

Murray Hill Suites, 2nd Floor

SESSION 14 (Murray Hill Suites, 2nd Floor)

#### ACUTE STROKE – TRIAGE AND IMAGING

**Moderators:** *Lawrence R. Wechsler, MD*  
*Joshua A. Hirsch, MD*

- 8:00 – 8:05** Introduction  
*Allan L. Brook, MD*
- 8:06 – 8:11** Waking Up To A New Dawn And Its Implications  
*Lawrence R. Wechsler, MD*
- 8:12 – 8:17** DEFUSE 3 And Other Trial Updates  
*Ryan A. McTaggart, MD*
- 8:18 – 8:28** Artificial Intelligence And The Best Future Imaging Trends  
*R. Gilberto Gonzalez, MD, PhD*
- 8:29 – 8:39** Low NIHSS And LVO: Treatment Paradigms And Why  
*H. Christian Schumacher, MD*

- 8:40 – 8:50** Emergency Room Issues, And Too Many Transfers, Decisions And Discussions  
*Edward C. Jauch, MD, MS*
- 8:51 – 9:01** Imaging Trends And What To Expect After DAWN  
*Howard A. Rowley, MD*
- 9:02 – 9:12** Stroke Systems And Updated Guidelines  
*Don Frei, MD*
- 9:13 – 9:23** European Stroke Systems And How They Differ  
*Zsolt Kulcsar, MD, PhD*
- 9:24 – 9:34** Treatment Distal Stroke Lesions: When, Why, And Why Not  
*Philip M. Meyers, MD*
- 9:35 – 9:45** **DEBATE:** CT In The Ambulance Should Be The Standard Of Care  
*Peter A. Rasmussen, MD*
- 9:46 – 9:56** **DEBATE:** CT In The Ambulance Is A Waste Of Money  
*Ansaar T. Rai, MD*
- 9:57 – 10:07** MRI In Acute Stroke Care, And When It Is Best To Utilize  
*R. Gilberto Gonzalez, MD, PhD*
- 10:07 – 10:25** **Break – Visit Exhibits And Pavilions (2nd and 3rd Floors)**

SESSION 15 (Murray Hill Suites, 2nd Floor)

**STROKE TREATMENT CURRENT TRENDS**

*Moderators: Daniel L. Labovitz, MD*  
*Henry H. Woo, MD*

- 10:26 – 10:36** Thrombectomy Techniques 3.0: Tips And Tricks In Challenging Cases - My Pearls  
*Raphael A. Ortiz, MD*
- 10:37 – 10:47** Innovative And Novel Stroke Therapies That Are In The Pipeline  
*Sameer A. Ansari, MD, PhD*
- 10:48 – 10:58** Radial Access: Why, When, And How  
*Sudhakar R. Satti, MD*
- 10:59 – 11:09** Basilar Artery Occlusion: Tips For Treating Underlying Stenosis In The Acute Thrombectomy Setting  
*J. Mocco, MD, MS*
- 11:10 – 11:20** Time Saving Pearls To Revascularization: Secrets Of The Trade  
*Eytan Raz, MD*
- 11:21 – 11:31** Stroke Systems Of Care: Getting The Patient To The Right Place At The Right Time - NYC Examples Of Best Practice  
*David Ben-Eli, MD*
- 11:32 – 11:42** Neuroscience: Latest Trials And Trend Setting Ideas  
*Charles Esenwa, MD, MS*
- 11:43 – 11:53** Anesthesia – General vs. Sedation: New Data  
*Allison Spinelli, DO*
- 11:54 – 12:04** **Break – Pick up Lunch in the South Corridor Exhibit Area (2nd Floor) and return to the Murray Hill Suites for the Luncheon Program.**

SESSION 16 (Murray Hill Suites, 2nd Floor)

**LUNCHEON SESSION – CAROTID STENTING AND WHERE WE ARE IN 2018**

*Moderators: Thomas G. Brott, MD  
Don Heck, MD*

- 12:05 – 12:17** Carotid Literature Review 2018  
*Thomas G. Brott, MD*
- 12:18 – 12:30** Carotid Disease: Treatment In 2018 And Future Predictions  
*Frank J. Veith, MD*
- 12:31 – 12:43** To Bypass Or Not Bypass A Primary Stroke Center: It's No Longer A Question  
*Ryan A. McTaggart, MD*
- 12:44 – 12:59** Anti-Platelet Therapy Best Managed In The Acute Stenting And SAH Patients  
*Lucie G. Thibault, Pharm.D*
- 1:00 – 1:10** Tandem Occlusions: Stent, Do Not Stent Or Occlude The Vessel And Circumstances That Go With Each  
*Don Heck, MD*

SESSION 17 (Murray Hill Suites, 2nd Floor)

**BRAIN ANEURYSM**

*Moderators: David J. Langer, MD  
David J. Altschul, MD*

- 1:11 – 1:21** Updates On Vasospasm  
*Richard P. Klucznik MD*
- 1:22 – 1:33** Flow Diversion: Trends And Future Roles  
*Peter K. Nelson, MD*
- 1:33 – 1:43** When To Treat An Unruptured Aneurysm: Clinical Practice vs. Scientific Data  
*Howard A. Riina, MD*
- 1:44 – 1:54** Future Treatment Of Wide Necked Aneurysms And Flow Diversion  
*Ajay K. Wakhloo, MD, PhD*
- 1:55 – 2:05** The Next Generation Aneurysm Trial: What Should It Look Like  
*Colin P. Derdeyn, MD*
- 2:06 – 2:16** Role Of Intra-Aneurysmal Therapy: Novel Intra-Saccular Devices  
*David Fiorella, MD, PhD*
- 2:17 – 2:27** Vessel Wall Imaging Highlight And Where It Impacts Patient Care  
*Ronit Agid, MD*

SESSION 18 (Murray Hill Suites, 2nd Floor)

**COMPLICATIONS**

*Moderator: Peter K. Nelson, MD*

- 2:28 – 2:38** Strategies To Prevent Complications  
*Michele H. Johnson, MD*
- 2:39 – 2:49** Intraprocedural Complication Management  
*David J. Langer, MD*
- 2:50 – 3:00** What To Do With Lesions That Won't Open  
*Seon-Kyu Lee, MD, PhD*

SESSION 19 (Murray Hill Suites, 2nd Floor)  
FUTURE ENDOVASCULAR TREATMENT AND  
EXPANDING YOUR PRACTICE

Moderators: *Allan L. Brook, MD*  
*Richard L. Zampolin, MD*

- 3:01 – 3:11** Collateral Circulation: Imaging And Implications  
*Allan L. Brook, MD*
- 3:12 – 3:22** Stent Technology Forum: Electrodes And Software Data  
*Thomas J. Oxley, MD, PhD*
- 3:23 – 3:33** Dural Sinus Stenting And The Clearly Under  
Recognized Entities Needing Our Expertise  
*Maksim Shapiro, MD*
- 3:34 – 3:44** Middle Meningeal Embolization For SDH  
*Jared Knopman, MD*
- 3:45 – 3:55** Current Billing And Coding Updates In The  
Neurointerventional  
*Henry H. Woo, MD*
- 3:56 – 4:06** Migraine Headaches: Have I Got An Idea  
*David J. Altschul, MD*

SESSION 20 (Murray Hill Suites, 2nd Floor)  
HOT TOPICS AND TRENDS 2018

Moderators: *David Fiorella, MD, PhD*  
*Allan L. Brook, MD*

- 4:07 – 4:17** Health Care Reform And ELVO  
*Joshua A. Hirsch, MD*
- 4:18 – 4:28** Update On Treatment For Cerebrovascular Trauma  
*Gregg H. Zoarski, MD*
- 4:29 – 4:39** Embolic Agents: Overview And What Is Coming In  
The Pipeline  
*Ajay K. Wakhloo, MD, PhD*
- 4:40 – 4:50** Safe Practice And Quality In The INR Suite: Radiation  
Safe Practices  
*Todd S. Miller, MD*
- 4:51 – 5:01** SRS For AVMs In The Post ARUBA Era  
*Douglas Kondziolka, MD*
- 5:02 – 5:12** “Artificial Intelligence Augmenting Stroke Care”  
*Gabriel Bartal, MD*
- 5:13 – 5:23** Stroke Legislation Update And Local Complications  
*Bradley Kaufman, MD, MPH*
- 5:23 – 5:30** Panel Discussion

PROGRAM B (SESSION 21)  
HANDS-ON WORKSHOPS

All Workshops wil combine didactic lectures, case presentations and hands-on activities to provide an educational experience for all levels of participants.

Concourse A, Concourse Level

SESSION 21 (Concourse A, Concourse Level)  
HANDS-ON WORKSHOPS

- 8:00 – 9:00** TIPS
- 9:00 – 10:00** Transvenous Liver Biopsy

## ASSOCIATE FACULTY PROGRAM

PROGRAM C (SESSION 22)

ASSOCIATE FACULTY PRESENTATIONS PROGRAM:  
LATE BREAKING RESEARCH EXTREME CASES AND  
TECHINICAL NOTES

All presentations are 7 minutes with 3 minutes of discussion. Visit [www.aimsymposium](http://www.aimsymposium) for the complete agenda, to view abstracts and a complete list of authors.



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*Manhasset, New York*

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Monday, November 12 – Thursday, November 15, 2018

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

## Meeting Registration

(See Registration Form on reverse side)

### Full Registration

(Monday - Thursday, including One-Day Component Meetings)

	Tuition
<input type="checkbox"/> Physicians .....	\$765
<input type="checkbox"/> Physicians Combination Rate .....	\$1899
AIMsymposium & VEITHsymposium (Monday to Saturday)	
<input type="checkbox"/> US and Canadian Interventional Radiology Fellows in Training* .....	Complimentary

\* Fellows tuition provided through an educational grant courtesy of W.L. Gore & Associates, Inc. Letter of verification from Chief of Service must be obtained prior to registration and faxed to (888) 418-7043. The letter must include the start and end dates of your Interventional Radiology fellowship.

<input type="checkbox"/> Non - US Fellows and Residents in Training	<input type="checkbox"/> Residents
<input type="checkbox"/> Nurse Practitioners	<input type="checkbox"/> Nurses
<input type="checkbox"/> Physician Assistants (non-physician, clinical)	
<input type="checkbox"/> Technologists .....	\$500
<input type="checkbox"/> Medical Students .....	\$250
Letter of verification from Dean must be obtained and faxed to (888) 418-7043.	
<input type="checkbox"/> Allied Health Care Professionals .....	\$750

### One-Day Component Meetings

<input type="checkbox"/> Monday Only - Oncology/Embolization .....	\$349
<input type="checkbox"/> Thursday Only - Multidisciplinary Acute Stroke Management .....	\$349

Refund: There is a \$95 cancellation fee if canceled by October 12, 2018. No refunds will be made thereafter.

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

Phone: (800) 987-9314 Ext. 200

E-mail: [registrar@aimsymposium.org](mailto:registrar@aimsymposium.org)

Updates: [www.AIMsymposium.org](http://www.AIMsymposium.org)

# REGISTRATION



## Full Registration

(Monday - Thursday, including One-Day Component Meetings)

Tuition

- Physicians ..... \$765
- Physicians Combination Rate ..... \$1899  
AIMsymposium & VEITHsymposium (Monday to Saturday)
- US and Canadian Interventional Radiology  
Fellows in Training\* ..... Complimentary

*\* Fellows tuition provided through an educational grant courtesy of W.L. Gore & Associates, Inc. Letter of verification from Chief of Service must be obtained prior to registration and faxed to (888) 418-7043. The letter must include the start and end dates of your Interventional Radiology fellowship.*

- Non - US Fellows and Residents in Training  Residents
- Nurse Practitioners  Nurses
- Physician Assistants (non-physician, clinical)
- Technologists ..... \$500
- Medical Students ..... \$250  
Letter of verification from Dean must be obtained and faxed to (888) 418-7043
- Allied Health Care Professionals ..... \$750

## One-Day Component Meetings

- Monday Only - Oncology/Embolization ..... \$349
- Thursday Only - Multidisciplinary Acute  
Stroke Management ..... \$349

First Name: \_\_\_\_\_

Last Name (Surname) \_\_\_\_\_

Degree: \_\_\_\_\_

Specialty: \_\_\_\_\_

Physician  Non-Physician Cleveland Clinic Employee?  Yes  No

Affiliation: \_\_\_\_\_

Address Type:  Home  Other

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E-mail: \_\_\_\_\_

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Cleveland, OH 44193-1082

Please e-mail registrar@aimsymposium.org if sending by over-night mail or courier service.

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## SAVE THE DATE

Monday - Thursday, November 18 - 21, 2019

# 27<sup>th</sup> Symposium on Current Issues and New Techniques in Interventional Radiology and Endovascular Therapy

Symposium Chairman

**Jacob Cynamon, MD**

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Monday - Thursday, November 12 – 15, 2018

**Expanded Sessions On**

- Prostatic Artery Embolization (BPH)
- Renal Denervation
- Pulmonary Emboli
- Venous and Lymphatic Intervention
- Interventional Oncology (IO)
- Hemodialysis Access
- Hands-On Workshops

SEE INSIDE

Multidisciplinary Acute  
Stroke Management Sessions  
Included



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