



# GEST2024

GLOBAL  
EMBOLIZATION  
ONCOLOGY  
SYMPOSIUM  
TECHNOLOGIES

May 16–19, 2024

Sheraton New York Times Square Hotel

## PROGRAM GUIDE

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**References:**

1. Data on file.

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SYSTEMS



# GEST 2024

GLOBAL  
EMBOLIZATION  
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TECHNOLOGIES

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# WELCOME LETTER

**W**elcome and thank you for joining us at GEST 2024! Since creating the premier embolotherapy conference for Interventional Radiologists (IRs) and Interventional Oncologists (IOs) in 2007, The GEST Group has become a leading independent voice our physicians and sponsors rely on and trust to access a global network of experts who provide unbiased, state of the art education.

Since our first GEST annual conference, the field of IR has evolved significantly with the interventional radiology community being called upon to handle a growing number of complex cases, coordinate multidisciplinary care, and bring a variety of minimally interventional procedures to market all while incorporating the rapid proliferation of technology and new products in this field.

We are grateful and excited to continue to be part of this growth journey and look forward to seeing you in New York City in May for a conference that will again be filled with ideas, learnings, practical tips and tricks, new product launches, and tools.

From the familiar Masterclasses that you have come to love to Hands-on Workshops where you can experience the latest products and technology, from the faculty you love to learn from to new and emerging thought leaders, from the tried and tested techniques to image-guided therapies/robotics, and more, GEST 2024 will be packed with learnings. Additionally, as always, the conference will provide you with one of your most valued experiences - ample networking opportunities.

We look forward to seeing you all at GEST 2024 and if there is anything that we can do to ensure that the universe of interventional radiology and interventional oncology continues to learn and grow, please let us know.

**Welcome to GEST 2024!**

## COURSE FOUNDERS



**Dr. Jafar Golzarian, MD, FSIR**

Founder, North Star Vascular and Interventional  
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**Dr. Marc Sapoval, MD, PhD**

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# COURSE DIRECTORS

## **Kamran Ahrar, MD**

MD Anderson Cancer Center  
Houston, Texas

*"Interventional Oncology program at GEST provides a truly global perspective on embolization, ablation, and other image guided interventions in management of patients with cancer. This year, I am really excited about the Masterclass in IO with no-nonsense "How I do it" topics, giving the audience what they really want, which is practical instructions on how to deal with specific scenarios. Sessions on hot topics like dosimetry, MSK interventions, imaging tools and guidance will bring everyone up to date with the latest developments in the field."*



## **Geert Maleux, MD, PhD**

University Hospitals Leuven  
Leuven, Belgium

*"The annual GEST-meeting has become the world's number one symposium dealing with all types and indications of peripheral embolization. Residents and young interventional radiologists will learn about new devices, tips and tricks, in the Masterclass and hands on sessions; senior interventional radiologists will have an unique update on outcome data of established and upcoming new techniques."*



## **Gary Siskin, MD**

Albany Medical Center  
Albany, New York

*"I'm looking forward to GEST 2024 in NYC. This meeting is always so exciting as it focuses on some of the most interesting, most useful, and most efficacious procedures that we can offer our patients as interventional radiologists. GEST provides more than a superficial look at this area. Over the course of 4 days, we have put together a deep dive into embolotherapy so that you can learn about the many aspects of these procedures from our experts and enhance your ability to treat a variety of conditions using these techniques. Hope to see you in New York."*



## **Miyuki Sone, MD**

National Cancer Center Hospital  
Tokyo, Japan

*"Let's experience GEST 2024 together in New York City! GEST has been evolving year by year and we are confident it will be a wonderful four days for learning with all five senses and networking with colleagues from around the world."*



## **James Spies, MD**

MedStar Georgetown University  
Hospital  
Washington, D.C.

*"When it comes to professional meetings, GEST is the highlight of my year. It always provides the latest technology and techniques – presented by the leading experts in the world. This meeting is unique in that it brings together an incredibly diverse group of faculty all united in a common purpose. GEST is also a leader in fostering the next generation of IRs – its outreach to students and trainees is second to none. Their enthusiasm for participating at this meeting is amazing and assures me that the next generation will continue to advance the field for decades to come."*



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# ACCREDITATION INFORMATION

## 2024 LEARNING OBJECTIVES

Upon completion of this activity, the learner should be able to:

- Discuss the latest therapeutic embolization options, assess standard and/or advanced imaging techniques in various embolotherapy applications such as: interventional oncology, lymphatic interventions, musculoskeletal (MSK) applications, trauma, bariatric, hemorrhoid-related bleeding, pelvic congestion syndrome (PCS), varicocele, visceral aneurysms, endoleak, portal interventions, renal interventions, vascular malformations, trauma, critical care, women's health, and men's health
- Understand anatomy, indications, contraindications, patient planning, and potential complications for embolization and interventional procedures
- Understand different embolization treatment options by function, characteristics, latest evidence and potential outcomes in various embolotherapy applications

## TARGET AUDIENCE

The target audience for this activity is interventional radiologists who work in the embolotherapy space. The planning committee is made up of leading interventional radiologists who are not just experts in the embolotherapy space but are also those who have practiced in each area of use of this valuable technique.

## 2024 CME ACCREDITATION STATEMENT

In support of improving patient care, this activity has been planned and implemented by Amedco LLC and Global Embolization Symposium and Technologies (GEST). Amedco LLC is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC), to provide continuing education for the healthcare team.

## CME CREDIT DESIGNATION STATEMENT

Amedco LLC designates this live activity for a maximum of 25.00 AMA PRA Category 1 Credits™ for physicians. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

## HOW TO CLAIM CREDIT/ CERTIFICATE OF ATTENDANCE

AMA PRA credit hours must be claimed online. Visit [www.gest2024.com](http://www.gest2024.com) or the GEST 2024 mobile app for access.

## UEMS/EACCME CME CREDIT RECOGNITION

The American Medical Association (AMA) has an agreement of mutual recognition of CME credit with the UEMS. Under the terms of this agreement the European Accreditation Council for Continuing Medical Education (EACCME), the accrediting arm of the UEMS, will convert CME credit for live activities certified by the AMA.

## DISCLAIMER

Amedco LLC and GEST make every effort to develop CME activities that are scientifically based. This activity is designed for educational purposes. Participants have a responsibility to utilize this information to enhance their professional development in an effort to improve patient outcomes. Conclusions drawn by the participants should be derived from careful consideration of all available scientific information. The participant should use his/her clinical judgment, knowledge, experience, and diagnostic decision making before applying any information, whether provided here or by others, for any professional use.

## DISCLOSURE POLICY STATEMENT

In accordance with the Accreditation Council for Continuing Medical Education (ACCME) Standards for Commercial Support, educational programs sponsored by Amedco LLC and GEST must demonstrate balance, independence, objectivity, and scientific rigor. All faculty, authors, editors, and planning committee members participating in an Amedco and GEST-sponsored activity are required to disclose any relevant financial interest or other relationship with the manufacturer(s) of any commercial product(s) and/ or provider(s) of commercial services that are discussed in an educational activity.

## DISCLOSURE OF UNLABELED USE

Amedco and GEST requires that faculty participating in any CME activity disclose to the audience when discussing any unlabeled or investigational use of any commercial product or device not yet approved for use in the United States.

# MEETING INFORMATION

## BADGE INFORMATION

Badges are required for entry to all areas and are distributed with a paid full registration.

The barcode on the badge stores the following personal information: First Name, Middle Initial, Last Name, Degree, Organization, Address, City, State/Province, Zip, Country, and Email Address. It can be used by exhibitors to register delegates to their booths and to send additional information on their products and services.

## REGISTRATION

**Metropolitan Foyer, 2nd Floor**

### HOURS

Thursday, May 16 | 6:30 AM - 6:00 PM

Friday, May 17 | 6:30 AM - 6:00 PM

Saturday, May 18 | 7:00 AM - 6:00 PM

Sunday, May 19 | 8:00 AM - 12:00 PM

## MOBILE APP

Download the GEST Annual Meeting mobile app from the App Store or Google Play. The GEST mobile app allows you to access complete Annual Meeting information. Be sure to download the app on your phone or tablet for one-touch access to the following:

- Interactive schedule including the ability to create your own schedule and take notes during sessions
- Up-to-the-minute meeting updates
- Messaging capabilities with other attendees who have downloaded the app and created a profile
- Faculty listing
- Sponsor and exhibitor listings

## EXHIBITION HALL

**Metropolitan West & Central Park East/West, 2nd Floor**

### HOURS

Thursday, May 16 | 9:30 AM - 3:00 PM

Friday, May 17 | 9:30 AM - 3:00 PM

Saturday, May 18 | 10:00 AM - 3:00 PM

### ADMISSION

Admission to the exhibition hall is by badge only. Individuals under the age of 16 are not permitted in the exhibit hall for safety reasons.



## POSTER HALL

**Metropolitan West & Central Park East/West, 2nd Floor**

### HOURS

Thursday, May 16 | 9:30 AM - 3:00 PM

Friday, May 17 | 9:30 AM - 3:00 PM

Saturday, May 18 | 10:00 AM - 3:00 PM

## FACULTY READY ROOM

**Empire West, 2nd Floor**

The Faculty Ready Room is available to all co-chairs, session chairs, invited speakers and oral abstract presenters.

Wednesday, May 15 | 5:30 PM - 8:00 PM

Thursday, May 16 | 6:00 AM - 6:00 PM

Friday, May 17 | 6:30 AM - 6:00 PM

Saturday, May 18 | 6:30 AM - 5:30 PM

Sunday, May 19 | 6:30 AM - 12:00 PM

# SPONSORS

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GEST gratefully acknowledges the following organizations for providing an educational grant in support of quality medical education in 2024

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GEST gratefully acknowledges the following organizations for providing an educational grant in support of quality physician-in-training medical education in 2024

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# ANNUAL MEETING PROGRAM-AT-A-GLANCE

		METRO EAST BALLROOM	EMPIRE EAST BALLROOM	
WED	6:00 - 7:30 pm			
THURS	7:00 - 8:00 am		Physicians in Training I: Intro to Trainee Program & Case Competition I	
	8:00 - 9:30 am	Session I: Masterclass Coils		
	9:30 - 10:00 am	Refreshment Break, Visit Exhibits and Posters		
	10:00 - 11:30 am	Session II: Vanguard & Honorary Lecture		
	11:30 - 12:00 pm	Visit Exhibits and Posters		
	12:00 - 1:00 pm		Lunch Session Sponsored by Boston Scientific	
	1:00 - 2:30 pm	Session III: Masterclass Plugs and Stent Grafts: Prepare Your Way to Better Outcomes		
	2:30 - 3:00 pm	Refreshment Break, Visit Exhibits and Posters		
	3:00 - 4:30 pm	Session IV: PAE	Session V: GI Bleed	
	4:30 - 5:30 pm	Session VI: Thyroid	Physicians in Training II: Things Do Not Always Go to Plan – Case Based Discussion	
	5:30 - 6:30 pm	Session VII: TARE Dosimetry		
	6:30 - 8:00 pm			
FRI	7:00 - 8:00 am		Physicians in Training III: Case Competition II	
	8:00 - 9:30 am	Session VIII: Masterclass IO Vascular - Master Your Way Out of Mystery: Emulate the Masters		
	9:30 - 10:00 am	Refreshment Break, Visit Exhibits and Posters		
	10:00 - 11:30 am	Session IX: Outpatient IR: OEIS at GEST	Session X: Women Health	
	11:30 - 12:00 pm	Visit Exhibits and Posters		
	12:00 - 1:00 pm		Lunch Session Sponsored by Medtronic	
	1:00 - 2:30 pm	Session XI: Masterclass Particles, Resorbables, and Visible		
	2:30 - 3:00 pm	Refreshment Break, Visit Exhibits and Posters		
	3:00 - 4:30 pm	Session XII: MSK	Session XIII: Primary Liver Tumors: HCC and Beyond	
	4:30 - 5:30 pm	Session XIV: Masterclass Microcatheter and Microwires	Session XV: HCC	
	5:30 - 6:30 pm		Session XVI: Research Session - Immuno Oncology	
	6:30 - 8:00 pm			
SAT	7:30 - 8:30 am		Breakfast Session Sponsored by Boston Scientific	
	8:30 - 10:00 am	Session XVII: Masterclass Liquids and Conformables		
	10:00 - 10:30 am	Refreshment Break, Visit Exhibits and Posters		
	10:30 - 11:45 am	Session XVIII: Lymphatic Interventions	Abstract Session VII: Best Scientific Abstracts & Awards	
	11:45 - 12:00 pm	Visit Exhibits and Posters		
	12:00 - 1:00 pm		Lunch Session Sponsored by Terumo	
	1:00 - 2:30 pm	Session XIX: Masterclass: Imaging Tools, Guidance, Robotics, and Augmented Reality		
	2:30 - 3:00 pm	Refreshment Break, Visit Exhibits and Posters		
	3:00 - 4:30 pm	Session XX : Pushing the Envelope in Portal Interventions	Session XXI: MSK Oncology and Pain Management	
	4:30 - 5:30 pm	Session XXII: Masterclass NeuroIR Tools	Physicians in Training IV: How I Do it...Tips and Tricks for Starting Out	
	5:30 - 6:30 pm			
SUN	8:30 - 10:00 am	Session XXIII: Pot Pourri Best of the Rest	Session XXIV: Vascular Anomalies	
	10:00 - 10:30 am	Refreshments Break		
	10:30 am - 12:00 pm	Session XXV: CHEST	Session XXVI: Liver Mets....	

LENOX BALLROOM		NEW YORK EAST		NEW YORK WEST	
				Trainee Event Sponsored by Penumbra	6:00 - 7:30 pm
					7:00 - 8:00 am
					8:00 - 9:30 am
					9:30 - 10:00 am
		Abstract Session I			10:00 - 11:30 am
					11:30 - 12:00 pm
		Lunch Session Sponsored by Penumbra		Lunch Session Sponsored by Guerbet	12:00 - 1:00 pm
	Hands-on Workshop: PAE	Abstract Session II			1:00 - 2:30 pm
					2:30 - 3:00 pm
	Hands-on Workshop: Coils/Plugs	Abstract Session III			3:00 - 4:30 pm
					4:30 - 5:30 pm
	Hands-on Workshop: Radial				5:30 - 6:30 pm
				Trainee Event Sponsored by Cook Medical	6:30 - 8:00 pm
					7:00 - 8:00 am
					8:00 - 9:30 am
					9:30 - 10:00 am
		Abstract Session IV			10:00 - 11:30 am
					11:30 - 12:00 pm
		Lunch Session Sponsored by Sirtex		Lunch Session Sponsored by Boston Scientific	12:00 - 1:00 pm
	Hands-on Workshop: MSK	Abstract Session V			1:00 - 2:30 pm
					2:30 - 3:00 pm
		Abstract Session VI			3:00 - 4:30 pm
					4:30 - 5:30 pm
	Hands-on Workshop: All About Ablation				5:30 - 6:30 pm
				Trainee Event Sponsored by Boston Scientific	6:30 - 8:00 pm
					7:30 - 8:30 am
		GRAMERCY	BOWERY	CHELSEA	
		8:30 - 9:15 am, Sat	9:15 - 10:00 am, Sat	8:30 - 10:00 am, Sat	8:30 - 10:00 am
		MIM SurePlan™	TheraSphere Y90	GE Healthcare Hands-on	10:00 - 10:30 am
		LiverY90 Hands-on	Dosimetry Hands-on	Workshop	10:30 - 11:45 am
					11:45 - 12:00 pm
		Lunch Session Sponsored by Gore		Lunch Session Sponsored by GE HealthCare	12:00 - 1:00 pm
	Hands-on Workshop: Lymphatic				1:00 - 2:30 pm
					2:30 - 3:00 pm
		Abstract Session VIII			3:00 - 4:30 pm
	Hands-on Workshop: Particles, Liquids and Conformables				4:30 - 5:30 pm
				Women in IR Networking Reception Sponsored by GE HealthCare	5:30 - 6:30 pm
					8:30 - 10:00 am
					10:00 - 10:30 am
					10:30 am - 12:00 pm

# PROGRAM SCHEDULE

## THURSDAY, MAY 16, 2024

<b>8:00 - 9:30 AM      Session I: Masterclass Coils      Metro East Ballroom</b>		
<b>Moderators: Jafar Golzarian, Lindsay Machan, Jean-Pierre Pelage</b>		
<b>Demonstrators: Marc Sapoval, Gary Siskin, Anuj Malhotra</b>		
8:00 - 8:10 AM	New comers since last year	Parag Patel
8:10 - 8:20 AM	Coil engineering what did we learn from the coil summits	Dania Daye
8:20 - 8:30 AM	Catheter compatibility for coils in the market	Charles Ray
8:30 - 8:40 AM	Common mistake in coil selection and delivery technique	Lindsay Machan
8:40 - 9:30 AM	Masterclass demonstration and panel discussion	Speakers + Vivian Bishay
<b>9:30-10:00 AM      Refreshment Break, Visit Exhibits, and Posters      Exhibit Hall</b>		
<b>10:00 - 11:30 AM      Session II: Vanguard &amp; Honorary Lecture      Metro East Ballroom</b>		
<b>Moderators: Jafar Golzarian and Marc Sapoval</b>		
10:00 - 10:12 AM	Stepping into the metaverse: AI, robots and IR, what's coming ahead	Tom Boeken
10:12 - 10:24 AM	PAE as neoadjuvant therapy for the management of localized prostate cancer	Nainesh Parikh
10:24 - 10:30 AM	Leading advances in intra-arterial radiotherapy: Extrahepatic potential and futures perspectives	Riad Salem
10:30 - 10:42 AM	Bariatric embolization: Is it the end or a new resurgence?	Clifford Weiss
10:42 - 11:00 AM	Panel discussion	
11:00 - 11:05 AM	Introduction: GEST Honorary Lecture	Jafar Golzarian and Marc Sapoval
11:05 - 11:30 AM	Honorary Lecture	Miyuki Sone
<b>10:00 - 11:30 AM      Abstract Session I      New York East Ballroom</b>		
10:00 - 10:09 AM	Active Chemotherapy Does Not Raise Infection Risk for MSK/Palliative Cryoablation +/- Embolization in NCCN Guidelines	Alan Sag
10:09 - 10:18 AM	Genicular Artery Embolization for the Treatment of Symptomatic Knee-OA: a retrospective analysis of 106 patients	Florian Fleckenstein
10:18 - 10:27 AM	First Human Use of SakuraBead, a resorbable embolic agent, in the treatment of pain secondary to Knee osteoarthritis	Mark Little
10:27 - 10:36 AM	Endovascular treatment of Osteoarthritis: single center experience	Leonardo Guedes Moreira Valle
10:36 - 10:45 AM	Genicular Artery Embolisation-An Analysis of the Causes of suboptimal response	Tauqir Rana

10:45 - 10:54 AM	Efficacy and safety of transcatheter arterial embolization for active arterial esophageal bleeding	Ibrahim Alrashidi
10:54 - 11:03 AM	Effect of coil packing density on the clinical success rates associated with GDA embolization for UGI bleed	Pagah Naeimi
11:03 - 11:12 AM	Efficacy of Transcatheter Embolization in Patients with Spontaneous Retroperitoneal Hematoma: A Review of 61 Patients	Rooshi Parikh
11:12 - 11:21 AM	HipE - preliminary results of HIP Embolization for pain control in hip artrosis and greater trochanter pain syndrome	Frederico Cavalheiro

11:30-12:00 PM	<b>Visit Exhibits and Posters</b>	<b>Exhibit Hall</b>
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1:00 - 2:30 PM	<b>Session III: Masterclass Plugs and Stent Grafts: Prepare Your Way to Better Outcomes</b>	<b>Metro East Ballroom</b>
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**Moderators: Charles Ray and Sarah White**

**Demonstrators: Marc Sapoval, Gary Siskin, Anuj Malhotra**

1:00 - 1:10 PM	What plugs are out there	Geert Maleux
1:10 - 1:20 PM	Know your flow diverters and stent grafts	Masato Yamaguchi
1:20 - 1:30 PM	Catheter compatibility for plugs in the market	Hicham Abada
1:30 - 1:40 PM	When plugs and stent-grafts fail	Wael Saad
1:40 - 1:50 PM	Coil and plug combination: How I close a high flow/large vessel	Hicham Kobeiter
1:50 - 2:30 PM	Masterclass demonstration and panel discussion	Speakers + John Kaufman + Robert Lookstein

1:00 - 2:30 PM	<b>Hands-on Workshop: PAE</b>	<b>Lenox Ballroom</b>
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Station 1	Patient work up pre-PAE	Karim Abd El Tawab and Atilla Kovacs
Station 2	Anatomy slide review	Nassir Rostambeigi and Tiago Bilhim
Station 3	Tips and tricks for complex cases	John DeMeritt and Samdeep Mouli
Station 4	Review of catheters wires and embolics	Mark Little and Shivank Bhatia
Station 5	Post PAE management - medications and MX of complications	Justin McWilliams

# PROGRAM SCHEDULE

1:00 - 2:30 PM	Abstract Session II	New York East Ballroom
1:00 - 1:09 PM	Head and Neck Endovascular Repair of Vascular Malformations	Wayne Yakes
1:09 - 1:18 PM	Uterine Artery Embolization for Fibroid: Pre and Post Procedure Size Response According to the Location	Abeer ALDhawi
1:18 - 1:27 PM	Feeding-Artery-Only Microvascular Plug Embolization versus Nidus-Plus-Feeding Artery Coil Embolization of Pulmonary AVMs	Shanmukha Srinivas
1:27 - 1:36 PM	Diagnosis and Treatment of Hepatic Venous Malformations	Wayne Yakes
1:36 - 1:45 PM	Navigating the PAVMs Treatment Landscape: Unveiling Reported Common Data Elements (CDEs) and Core Outcome Measures(COMs)	Marisabel Linares Bolsegui
1:45 - 1:54 PM	Uterine Artery Embolization for Post-Partum Hemorrhage Compared to Refractory Hemorrhage After Dilatation and Curettage	Felix Oh
1:54 - 2:03 PM	Ethanol Embolotherapy Management of Pelvic Arteriovenous Malformations (AVM)	Wayne Yakes
2:03 - 2:12 PM	Assessing Sac Size and Draining Vein Changes in Pulmonary Arteriovenous Malformations Treated with Microvascular Plugs	Kalei Hering
2:12 - 2:21 PM	Uterine Artery Embolization After Internal Iliac Artery Ligation	Abeer ALDhawi
2:21 - 2:30 PM	The Retrograde Vein Approach as a Curative Treatment Strategy for Yakes Type I, IIb AVMs, IIIa AVMs, and IIIb AVMs	Wayne Yakes
2:30-3:00 PM	Refreshment Break, Visit Exhibits and Posters	Exhibit Hall
3:00 - 4:30 PM	Session IV: PAE	Metro East Ballroom
<b>Moderators: Tiago Bilhim, Shivank Bhatia, Mark Little</b>		
3:00 - 3:10 PM	Are surgical / MIST approach real competitors	Tim McClure
3:10 - 3:20 PM	LUTS - optimizing patient selection for PAE (when to say no to PAE)	Shivank Bhatia
3:20 - 3:30 PM	PAE: Relevant anatomy and technique for consistent results	Tiago Bilhim
3:30 - 3:40 PM	Optimizing pre op and intraoperative imaging	Marc Sapoval
3:40 - 3:50 PM	Liquids for PAE - techniques and results	Aaron Fischman
3:50 - 4:00 PM	New guidelines and how to get payers approval	Justin McWilliams
4:00 - 4:30 PM	Panel discussion: Selection of embolics, Complications, Imaging, Reduce radiation, Unmet needs, Research, BPH Board	Speakers + Nainesh Parikh

3:00 - 4:30 PM	Session V: GI Bleed	Empire East Ballroom
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Moderator: John Angle and Jose Urbano		
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3:00 - 3:10 PM	Peptic ulcer disease, and why it remains a challenge	Jose Urbano
3:10 - 3:20 PM	Coils, plugs, comformable or high-viscosity liquids: which to use in the upper GI track	Guy Johnson
3:20 - 3:30 PM	Role of provocative angiography	Sanjeeva Kalva
3:30 - 3:40 PM	Role of glue in GI embolization	Romaric Loffroy
3:40 - 3:50 PM	Colonic Embolization—when and how	Charles Kim
3:50 - 4:00 PM	Embolization of hemorrhoids: Technique and results update	Karim Abd El Tawab
4:00 - 4:30 PM	Panel discussion: Selection of embolics, Imaging, Preventive embo, Practice building for hemorrhoid embolization, Research, BPH Board	

3:00 - 4:30 PM	Abstract Session III	New York East Ballroom
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3:00 - 3:09 PM	Trace Levels Of Valproate Detected In Plasma Following Reactive Embolization In Vivo In A Pig Model	Erik Cressman
3:09 - 3:18 PM	Evaluation of Novel Polyelectrolyte Hydrogel Embolic in a Hemorrhage Model	Ryan O'Hara
3:18 - 3:27 PM	A tale of two devices: Comparing manual and drill bone marrow biopsy device samples	Shamar Young
3:27 - 3:36 PM	A Custom CNN model with Transfer Learning for Prediction of Thyroid Nodules	Okan Ince
3:36 - 3:45 PM	Key Performance Indicators in Interventional Radiology: How to Influence Hospital Administrators.	Ian Provancha
3:45 - 3:54 PM	Analysis of diagnostic accuracy of image-guided needle biopsy of pancreatic lesions.	Antariksh Vijan
3:54 - 4:03 PM	Association of Scholarly Impact to Industrial Contributions Among Academic Interventional Radiologists	Mahee Islam
4:03 - 4:12 PM	Efficacy of Intralesional antibiotic injection in thick abscesses through image guided pigtail	Nouran Elghitany
4:12 - 4:21 PM	Evaluation of an Augmented Reality System for Ultrasound-Guided Percutaneous Procedures in Live Porcine Models	Bradley Pua
4:21 - 4:30 PM	The Importance of After Treatment Cone Beam CT: should I stay or should I go?	Diego Ramírez Montes

3:00 - 4:30 PM	Hands-on Workshop: Coils/Plugs	Lenox Ballroom
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Faculty: Venkatesh Krishnasamy and Jon Davidson		
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# PROGRAM SCHEDULE

4:30 - 5:30 PM	Session VI: Thyroid	Metro East Ballroom
<b>Moderators: Shamar Young and Alan Sag</b>		
4:30 - 4:40 PM	Take 5: top studies for thyroid ablation and embolization	Shamar Young
4:40 - 4:50 PM	Thyroid anatomy and hormones	Jennifer Kuo
4:50 - 5:00 PM	How I do it: Ablation technique	Auh Whan Park
5:00 - 5:10 PM	How I do it: Embolization technique	Alan Sag
5:10 - 5:20 PM	Build it and they will come: practice building for thyroid	Tim Huber
5:20 - 5:30 PM	Panel discussion	

5:30 - 6:30 PM	Session VII: TARE Dosimetry	Metro East Ballroom
<b>Moderators: Shamar Young and Nima Kokabi</b>		
5:30 - 5:40 PM	Why is everyone so worked up? Review of dosing methods and available software	Nima Kokabi
5:40 - 5:45 PM	Advanced dosimetry is standard of care for all HCC patients	Armeen Mahvash
5:45 - 5:50 PM	Advanced dosimetry is a waste of time for HCC patients	Riad Salem
5:50 - 6:00 PM	What about the met: Current state of the evidence in mCRC dosimetry	Marnix Lam
6:00 - 6:10 PM	Mass forming cholangio: whats new and where does dose fit in	Shamar Young
6:10 - 6:20 PM	Dosing: How I do it in my actual practice	Juan Gimenez
6:20 - 6:30 PM	Panel discussion	

5:30 - 6:30 PM	Hands-on Workshop: Radial	Lenox Ballroom
<b>Faculty: Shivank Bhatia, Marcelo Guimaraes, Anuj Malhotra</b>		

## FRIDAY, MAY 17, 2024

8:00 - 9:30 AM	Session VIII: Masterclass IO Vascular - Master Your Way Out of Mystery: Emulate the Masters	Metro East Ballroom
<b>Moderators: Kamran Ahrar and Robert Lewandowski</b>		
8:00 - 8:05 AM	How I do it: Single HCC < 3cm: Radioembolization	Ed Kim
8:05 - 8:10 AM	How I do it: Single HCC < 3 cm: cTACE	Shiro Miyayama
8:10 - 8:15 AM	How I do it: Single HCC < 3cm: DEB-TACE	Katerina Malagari
8:15 - 8:20 AM	How I do it: Single HCC < 3 cm: Ablation	Roberto Iezzi
8:20 - 8:40 AM	Masterclass demonstration: Y90 devices/C-Tace Prep	Shamar Young, Marnix Lam, Nima Kokabi, Yasuaki Arai, Toshihiro Tanaka
8:40 - 8:45 AM	How I do it: CRC LM: Radioembolization	Siddharth Padia
8:45 - 8:52 AM	Drug Eluting Beads, what is available, what is missing	Koichiro Yamakado
8:52 - 8:59 AM	How I do it: Liver Hypertrophy: PVE and Venous Deprivation	Ripal Gandhi
8:59 - 9:06 AM	How I do it: Liver Hypertrophy: Radioembolization	Robert Lewandowski
9:06 - 9:30 AM	Panel Discussion: How to choose between different options	Speakers + Daniel Sze

9:30-10:00 AM	Refreshment Break, Visit Exhibits and Posters	Exhibit Hall
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10:00 - 11:30 AM	<b>Session IX: Outpatient IR: OEIS at GEST</b>	<b>Metro East Ballroom</b>
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<b>Moderators: Jafar Golzarian, Bret Wiechmann and Jerry Niedzwiecki</b>		
10:00 - 10:10 AM	Why embolotherapy is ideal for the "non hospital" site of service?	Bret Wiechmann
10:10 - 10:20 AM	PAE in the OBL (Office Based Lab), optimizing the work flow	Charles Nutting
10:20 - 10:30 AM	What made me move from Academia to OBL/ASC (Ambulatory Surgical Service)	Jafar Golzarian
10:30 - 10:40 AM	Tips and tricks of opening an OBL: How to start?	Aaron Kovaleski
10:40 - 10:50 AM	ASC or OBL or both: How and when to decide?	Jerry Niedzwiecki
10:50 - 11:00 AM	How to get the patients	Michelle Maneveese
11:00 - 11:30 AM	Panel discussion: Contracting with the payers, Do we need a contract with a hospital as a back-up?, Material selection, C-arm of fixed angiosuite?, How to ensure good practice rules, Marketing tips and tricks	Speakers + Jim Koehler

10:00 - 11:30 AM	<b>Session X: Women Health</b>	<b>Empire East Ballroom</b>
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<b>Moderators: James Spies and Maureen Kohi</b>		
10:00 - 10:10 AM	UFE: The basics and pitfalls to avoid	Julie Bulman
10:10 - 10:20 AM	Challenges in patient selection for UFE: who to treat and who to avoid?	Paul Lohle
10:20 - 10:30 AM	MythBusters (pedunculated fibroids, large fibroids...)	Nicole Keefe
10:30 - 10:40 AM	The Ovarian Artery—what to do with it?	Maureen Kohi
10:40 - 10:50 AM	Complications: how bad can they get?	James Spies
10:50 - 11:00 AM	Adenomyosis better results than what you think	Man Deuk Kim
11:00 - 11:30 AM	Panel discussion	

10:00 - 11:30 AM	<b>Abstract Session IV</b>	<b>New York East Ballroom</b>
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10:00 - 10:09 AM	Evaluation of complication rates when the gallbladder wall is included in the ice-ball during hepatic cryoablation	Shamar Young
10:09 - 10:18 AM	Long term Outcomes of cryoablation for Solitary T1a Renal Cell Carcinoma	Ahmed Awad
10:18 - 10:27 AM	The Scottish MUO Score for augmenting clinical decision making in malignant ureteric obstruction	Oliver Llewellyn
10:27 - 10:36 AM	study the various approach, technical aspects with outcome in intraarterial chemotherapy for intraocular retinoblastoma	Mohammad zuber
10:36 - 10:45 AM	Chemoembolization and Chemotherapy in Hepatocellular Carcinoma: Electrocardiography Alterations. Kazakhstan Study	Dinara Bayanova

# PROGRAM SCHEDULE

10:45 - 10:54 AM	An intraoperative microcatheter adjustment strategy for yttrium-90 resin microspheres administration---"IWI"	Lin Zhang
10:54 - 11:03 AM	Effect of peri-procedural pain regimens after trans-arterial embolization (TACE/TARE) for hepatocellular carcinoma	Nathan Sim

11:30-12:00 PM	<b>Visit Exhibits and Posters</b>	<b>Exhibit Hall</b>
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1:00 - 2:30 PM	<b>Session XI: Masterclass Particles, Resorbables, and Visible</b>	<b>Metro East Ballroom</b>
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**Moderators: Vivian Bishay, James Spies, Jean-Pierre Pelage**

**Demonstrators: Marc Sapoval, Gary Siskin, Anuj Malhotra**

1:00 - 1:10 PM	All spheres are not the same: deep dive in physical and chemical characteristics	Man Deuk Kim
1:10 - 1:20 PM	PVA and Microspheres: Recipes for an ideal suspension	James Spies
1:20 - 1:30 PM	Has GAE changed the landscape of particulate embolization	Yuji Okuno
1:30 - 1:40 PM	Resorbable: State of the art	Jafar Golzarian
1:40 - 1:50 PM	Challenges and future of visible particles	Paul Lohle
1:50 - 2:30 PM	Masterclass demonstration and panel discussion	

1:00 - 2:30 PM	<b>Hands-on Workshop: MSK</b>	<b>Lenox Ballroom</b>
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Station 1	GAE anatomy: what the IR needs to know	Reza Talaie and Bedros Taslakian
Station 2	GAE interactive cases	Leigh Casadaban
Station 3	Sports injury interactive cases	Yuji Okuno
Station 4	Choices of embolics in GAE	Mark Little

1:00 - 2:30 PM	<b>Abstract Session V</b>	<b>New York East Ballroom</b>
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1:00 - 1:09 PM	Prostatic Artery Embolization in Patients with Prostate Cancer and Urinary Symptoms from Benign Prostatic Hyperplasia	Matthew Carter
1:09 - 1:18 PM	A Retrospective Analysis of Polyethylene Glycol Microspheres for Prostatic Artery Embolization	Antonio Moreno
1:18 - 1:27 PM	Effect of Ethnicity on Clinical Outcomes after Prostate Artery Embolization	Ajay Varadhan
1:27 - 1:36 PM	P-EASY ADVANCE: Prostate Embolisation As first-line therapy compared to Duodart in rx naïve prostate enlargement RCT	Nicholas Brown
1:36 - 1:45 PM	From TURP to PAE: The Changing Landscape of Benign Prostate Hyperplasia Queries	Brandon O'Connor
1:45 - 1:54 PM	Recurrence rates of male varicocele after endovascular treatment using NBCA-MS (Glubran2): a retrospective study	Ezio Lanza

1:54 - 2:03 PM	Outcomes of Repeat Prostatic Artery Embolization	Antonio Moreno
2:03 - 2:12 PM	Efficacy and Safety of Prostatic Artery Embolization in Patients Dependent on Clean Intermittent Self-Catheterization	Matthew Carter
2:12 - 2:21 PM	Photon-Counting CT Angiogram for Prostate Artery Embolization Planning and 2D/3D Intra-Procedural Guidance	Forrest Linch

2:30-3:00 PM	<b>Refreshment Break, Visit Exhibits and Posters</b>	<b>Exhibit Hall</b>
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<b>3:00 - 4:30 PM</b>	<b>Session XII: MSK</b>	<b>Metro East Ballroom</b>
<b>Moderator: Siddharth Padia and Yuji Okuno</b>		
3:00 - 3:10 PM	Shoulder: Frozen and tendinobursitis: Technique and results	Marc Sapoval
3:10 - 3:20 PM	Epicondylitis: Technique and results	Siddharth Padia
3:20 - 3:30 PM	GAE: Technique and results	Mark Little
3:30 - 3:40 PM	Lower limb: Hip, foot, Achilles, and jumper's knee	Yuji Okuno
3:40 - 3:50 PM	Choosing the embolics	Bedros Taslakian
3:50 - 4:00 PM	Genicular nerve ablation: Technique and results	John Smirniotopoulos
4:00 - 4:30 PM	Panel discussion: Practice development, Role of nerve ablation, Hand OA, Resorbable/permanent/Lipiodol	Speakers + Leigh Casadaban

<b>3:00 - 4:30 PM</b>	<b>Session XIII: Primary Liver Tumors: HCC and Beyond</b>	<b>Empire East Ballroom</b>
<b>Moderators: Riad Salem and Kirema Garcia-Reyes</b>		
3:00 - 3:10 PM	Is the patient with intermediate-stage HCC still in the IRs hands?	Kirema Garcia-Reyes
3:10 - 3:20 PM	Treatment options for HCC with PV Thrombosis	Ed Kim
3:20 - 3:30 PM	Opportunities for combining immune therapy with local therapy	Rahul Sheth
3:30 - 3:40 PM	Combining local and systemic therapy – current evidence and most promising options	Haruyuki Takaki
3:40 - 3:50 PM	Cholangiocarcinoma: Treatment options and patient selection	Osman Ahmed
3:50 - 4:00 PM	Role of local therapy in collision tumors	Bill Rilling
4:00 - 4:10 PM	Treating the benign: Giant hemangiomas, adenomas, and FNH	Jafar Golzarian
4:10 - 4:30 PM	Panel discussion	

# PROGRAM SCHEDULE

3:00 - 4:30 PM	Abstract Session VI	New York East Ballroom
3:00 - 3:09 PM	Comparison of Relative Thrombogenicity of EMBOLD Fibered vs. non-PET Fibered Detachable Coils: an in-vitro study	Nima Kokabi
3:09 - 3:18 PM	Impact of Discharge Medications on Post-Embolization Syndrome-Related Outcomes in Renal Angiomyolipoma	Nathan Sim
3:18 - 3:27 PM	Angioarchitectural Changes in Native Hepatic Vasculature Following Conventional TACE and Factors Affecting Them	Venkata Subbaih Arunachalam
3:27 - 3:36 PM	Combination Therapies with TACE for the Treatment of HCC: A Systematic Review of Safety and Efficacy	Shakthi Kumaran Ramasamy
3:36 - 3:45 PM	Preoperative Embolization for Renal Cell Carcinoma Skeletal Metastasis: Comparison between Same Day vs. Next Day Surgery	Nicholas Ebert
3:45 - 3:54 PM	A Retrospective Analysis of Parenchymal and Coil Embolization Techniques in Splenic Intervention	Kausthubh Hegde
3:54 - 4:03 PM	OCCLUDE: a prospective, multi-center US registry to evaluate effectiveness and safety of Obsidio Conformable Embolic	Rahul Patel
4:03 - 4:12 PM	Competitive Index of Integrated Interventional Radiology Residency: A Multi-Year Comparison	Shriya Veluri

4:30 - 5:30 PM	Session XIV: Masterclass Microcatheter and Microwires	Metro East Ballroom
<b>Moderators: Gloria Hwang and Brian Funaki</b>		
<b>Demonstrators: Marc Sapoval, Gary Siskin, Anuj Malhotra</b>		
4:30 - 4:40 PM	Characteristics of a good microcatheter	Yasuaki Arai
4:40 - 4:50 PM	Choosing the microcatheters according to the embolic	Gary Siskin
4:50 - 5:00 PM	Flow reduction balloon microcatheter and steerable: What is there and what should be there!	Tiago Bilhim
5:00 - 5:10 PM	Microcatheter/catheters options for radial approach	Marcelo Guimaraes
5:10 - 5:30 PM	Masterclass demonstration and panel discussion	

4:30 - 5:30 PM	Session XV: HCC	Empire East Ballroom
<b>Moderator: Robert Lewandowski and Miyuki Sone</b>		
4:30 - 4:40 PM	BCLC staging, treatment recommendations, strengths and shortfalls	Jeff Geschwind
4:40 - 4:50 PM	Heat, cold, electricity, and chemicals – Choosing a modality to ablate HCC	Erik Cressman
4:50 - 5:00 PM	Time for ultrasound? HIFU and histotrypsy	Brad Wood
5:00 - 5:10 PM	Driving the ablative potential of TARE	Beau Toskich
5:10 - 5:20 PM	Advances and innovation in cTACE since its inception	Toshihiro Tanaka
5:20 - 5:30 PM	DEB-TACE for very early and early HCC	Katerina Malagari

5:30 - 6:30 PM	Session XVI: Research Session - Immuno Oncology	Empire East Ballroom
<b>Moderators: Erik Cressman and Shamar Young</b>		
5:30 - 5:40 PM	Turning cold to hot: Tumor microenvironments what an IR should know	Erik Cressman
5:40 - 5:50 PM	It's all peripheral: What an IR should know about peripheral immune cells and emerging immune targets	Nadine Abi-Jaoudeh
5:50 - 6:00 PM	TACE plus immunotherapy: A TACE renaissance?	Nariman Nezami
6:00 - 6:10 PM	Ablation and immunotherapy: Burn and turn it up?	Greg Woodhead
6:10 - 6:20 PM	TARE and immunotherapy: The best form of radiation for the combination?	Nima Kokabi
6:20 - 6:30 PM	Panel discussion	

5:30 - 6:30 PM	Hands-on Workshop: All about Ablation	Lenox Ballroom
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## SATURDAY, MAY 18, 2024

8:30 - 10:00 AM	Session XVII: Masterclass Liquids and Conformables	Metro East Ballroom
<b>Moderators: Jafar Golzarian, Helene Vernhet Kovacsik, Romaric Loffroy</b>		
<b>Demonstrators: Marc Sapoval, Gary Siskin, Anuj Malhotra</b>		
8:30 - 8:40 AM	Where are we with the newer liquid and conformable?	Romaric Loffroy
8:40 - 8:50 AM	Conformable: basic and current indication	Guy Johnson
8:50 - 9:00 AM	Glue tips and tricks	Yasuaki Arai
9:00 - 9:10 AM	EVOH based materials: Tips and tricks	Helene Vernhet Kovacsik
9:10 - 9:20 AM	Basic of hydrogel for liquid embolization	Chen Guo
9:20-10:00 AM	Masterclass demonstration and panel discussion	Speakers + Rahul Patel

10:00-10:30 AM	Refreshment Break, Visit Exhibits and Posters	Exhibit Hall
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# PROGRAM SCHEDULE

## 10:30 - 11:45 AM Session XVIII: Lymphatic Interventions Metro East Ballroom

**Moderators: Claus Pieper and Deborah Rabinowitz**

10:30 - 10:40 AM	Fundamental techniques and principles of lymphatic interventions	Jinoo Kim
10:40 - 10:50 AM	Pre and post procedure management of the lymphatic patients	Megan Asher
10:50 - 11:00 AM	Protein losing enteropathy types and treatment	Deborah Rabinowitz
11:00 - 11:10 AM	Chylothorax: mechanisms and algorithmic approach to avoid missteps	Gregory Nadolski
11:10 - 11:20 AM	Lymphatic ascites: Why it is so challenging...	Saebeom Hur
11:20 - 11:45 AM	Panel discussion: Complications and outcomes	

## 10:30 - 11:45 AM Abstract Session VII: Best Scientific Abstracts & Awards Empire East Ballroom

**Moderators: Shamar Young, Erik Cressman, James Spies**

10:30 - 10:39 AM	Predictors of Reintervention Post Uterine Artery Embolization for Uterine Fibroids	Brian Tsang
10:39 - 10:48 AM	Property of N-Butyl Cyanoacrylate-iodized Oil Mixtures by Pumping Emulsification Device with Microporous Glass Membrane	Yuji Koretsune
10:48 - 10:57 AM	DEB-BACE for the treatment of intermediate-stage NSCLC in the elderly population: a propensity-matched study	Jianfei Tu
10:57 - 11:06 AM	Initial Real-World Experience with Obsidio Conformable Embolic	Abhishek Kumar
11:06 - 11:15 AM	Comparison of outcomes in splanchnic and celiac plexus cryoneurolysis treatments for refractory abdominal pain.	Shamar Young
11:15 - 11:24 AM	Diagnostic accuracy and factors affecting image-guided omental biopsy	Kunal Gala
11:24 - 11:45 AM	Awards	

## 11:45-12:00 PM Visit Exhibits and Posters Exhibit Hall

## 1:00 - 2:30 PM Session XIX: Masterclass: Imaging Tools, Guidance, Robotics, and Augmented Reality Metro East Ballroom

**Moderator: Nadine Abi-Jaoudeh, John Park, Brad Wood**

1:00 - 1:20 PM	Cone beam CT/embo navigation demonstration	Brian Funaki, Charles Nutting, Hicham Kobeiter, Miyuki Sone, Brad Wood, Samdeep Mouli, Marc Sapoval
1:20 - 1:30 PM	Angio-CT: large investment, are there great advantages over cone beam CT	Divya Kumari
1:30 - 1:50 PM	Panel discussion	
1:50 - 2:00 PM	MR-guided interventions vs. PET-guided interventions vs. CEUS (or include all?)	Kamran Ahrar

2:00 - 2:10 PM	Robotics and needle guidance systems for percutaneous interventions	Raj Narayanan
2:10 - 2:20 PM	Stereotactic ablation: Why and how	Brad Wood
2:20 - 2:30 PM	Panel discussion	

<b>1:00 - 2:30 PM</b>	<b>Hands-on Workshop: Lymphatic</b>	<b>Lenox Ballroom</b>
Station 1	Hands on lymph node access	Scott Thompson
Station 2	Hands on TD access	Gregory Nadolski
Station 3	Non-traumatic chylothorax algorithm and interactive cases	Saebeom Hur
Station 4	Chylous ascites algorithm and interactive cases	Deborah Rabinowitz
Station 5	Lymphocele treatment interactive cases	Jinoo Kim

<b>2:30-3:00 PM</b>	<b>Refreshment Break, Visit Exhibits and Posters</b>	<b>Exhibit Hall</b>
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<b>3:00 - 4:30 PM</b>	<b>Session XX: Pushing the Envelope in Portal Interventions</b>	<b>Metro East Ballroom</b>
<b>Moderators: Wael Saad and Bulent Arslan</b>		
3:00 - 3:10 PM	AASLD Guidelines: What's new	Ed Lee
3:10 - 3:20 PM	Combined hybrid (laparotomy) and percutaneous mesenteric recanalization TIPS-PVR	Siobhan Flanagan
3:20 - 3:30 PM	TIPS in transplant complicated by complex arterial injury (arteria portal fistula and pseudoaneurysm) treated transhepatically?	Maria del Pilar Bayona Molano
3:30 - 3:40 PM	Tips using transjugular trans mesenteric transplenic and trans hepatic for complete mesenteric thrombosis	Hyun-Ki Yoon
3:40 - 3:50 PM	Percutaneous mesocaval shunt	Geert Maleux
3:50 - 4:00 PM	What to do when you can't create a TIPS?: Using cavernomas as a conduit for decompression	Bulent Arslan
4:00 - 4:10 PM	Closure of a large flush Abernethy malformation with an atrial septal occluder, complicated by PVT.....lysed and placed a intentionally defective TIPS which closed off over time	Wael Saad
4:10 - 4:30 PM	Panel discussion	Speakers + John Kaufman

# PROGRAM SCHEDULE

## 3:00 - 4:30 PM Session XXI: MSK Oncology and Pain Management Empire East Ballroom

**Moderator: Sean Tutton and Lambros Tselikas**

3:00 - 3:10 PM	Embolization of hypervascular bone metastases: preoperative and palliation	Yasunori Arai
3:10 - 3:20 PM	Ablation for painful bone metastases	Jack Jennings
3:20 - 3:30 PM	Can ablation achieve local control for bone metastases?	Lambros Tselikas
3:30 - 3:40 PM	Ablation of soft tissue tumors: Rationale, patient selection, and technique	Gloria Hwang
3:40 - 3:50 PM	Vertebral metastases: ablation and augmentation	Rahul Sheth
3:50 - 4:00 PM	Advanced techniques for internal fixation	Sean Tutton
4:00 - 4:30 PM	Panel discussion	

## 3:00 - 4:30 PM Abstract Session VIII New York East Ballroom

3:00 - 3:09 PM	Comparative Evaluation of Thermal Ablation Techniques Versus Partial Nephrectomy for Renal Angiomyolipoma	Brennan Cronquist
3:09 - 3:18 PM	Percutaneous lymphatic channel disruption and embolization to treat infrainguinal lymphatic leaks	Tarundeep Grewal
3:18 - 3:27 PM	Cost Comparison of Coils and Plugs Used for Variceal Embolization during TIPS Creation	Amelia Curtis
3:27 - 3:36 PM	Exploring the Impact of Co-morbidities on the Need for Repeat TIPS: A Retrospective Analysis	Elan Meltzer
3:36 - 3:45 PM	Ethanol and Coil Embolization of Complex Dural Arteriovenous Fistula (AVF)	Wayne Yakes
3:45 - 3:54 PM	Factor affecting core needle biopsy in musculoskeletal lesions	Kunal Gala
3:54 - 4:03 PM	Obsidio: A Single-Center Experience with a Novel Conformable Hydrogel Embolic	Ashley Yearwood
4:03 - 4:12 PM	Prospective Multicenter Observational Study of Silent Brain Infarction following Transradial Hepatic Intervention	Yuji Koretsune

## 4:30 - 5:30 PM Session XXII: Masterclass NeuroIR Tools Metro East Ballroom

**Moderator: John Kaufman and Shuichi Tanoue**

**Demonstrators: John Dalfino and Gary Siskin**

4:30 - 4:40 PM	General principle and equipments for neuro embolization	John Dalfino
4:40 - 4:50 PM	Cool neuroIR materials that IR need to know (microcatheters, microcoils ...)	Bharathi Jagadeesan
4:50 - 5:00 PM	Case presentation: Flow diverter	Masato Yamaguchi
5:00 - 5:10 PM	Case presentation: Web Device	Shuichi Tanoue
5:10 - 5:30 PM	Masterclass demonstration and panel discussion	

4:30 - 5:30 PM	<b>Hands-on Workshop: Particles, Liquids, and Conformables</b>	<b>Lenox Ballroom</b>
<b>Faculty: Rahul Sheth</b>		

## SUNDAY, MAY 19, 2024

8:30 - 10:00 AM	<b>Session XXIII: Pot Pourri Best of the Rest</b>	<b>Metro East Ballroom</b>
<b>Moderators: Hicham Kobeiter and Geert Maleux</b>		

8:30 - 8:40 AM	Embolization after AV fistula creation	Bulent Arslan
8:40 - 8:50 AM	Very high flow fistula tips and tricks	Brian Funaki
8:50 - 9:00 AM	Venous leakage for impotence is there a role for embolization	Peter Vanlangenhove
9:00 - 9:10 AM	High flow priapism	John Angle
9:10 - 9:20 AM	Pancreaticoduodenal aneurysms	Shunsuke Sugawara
9:20 - 9:30 AM	Uterine fibroids: What is the role of percutaneous ablation	Shahram Akhlaghpour
9:30 - 10:00 AM	Panel discussion: Flow diverters, Percutaneous fistulas, Occlusion of urethra, Non-vascular embo	

8:30 - 10:00 AM	<b>Session XXIV: Vascular Anomalies</b>	<b>Empire East Ballroom</b>
<b>Moderators: Gilles Soulez and Josee Dubois</b>		

8:30 - 8:40 AM	Medical treatment in vascular anomalies indications and how to combine with interventional therapies	Shellie Josephs
8:40 - 8:50 AM	Somatic genotyping of vascular malformations: Needle biopsy, liquid biopsy. How I do it	Shellie Josephs
8:50 - 9:00 AM	Combined sclerotherapy with polidocanol and bleomycin: A new approach for large venous malformations	Laurent Guibaud
9:00 - 9:10 AM	AVMs: How to choose embolic agent and nidal approach according to the Yakes classification	Gilles Soulez
9:10 - 9:20 AM	Vascular tumor in children: Is there still a place for embolization?	Josee Dubois
9:20 - 9:30 AM	Cryoablation in vascular anomalies: What are the current indications?	Siobhan Flanagan
9:30 - 10:00 AM	Panel discussion	

10:00-10:30 AM	<b>Refreshment Break</b>	<b>Metropolitan Foyer</b>
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# PROGRAM SCHEDULE

10:30 - 12:00 PM Session XXV: CHEST		Metro East Ballroom
<b>Moderators: Brian Funaki and Jacob Cynamon</b>		
10:30 - 10:40 AM	Bronchial embolization - Case for liquids	Vivian Bishay
10:40 - 10:50 AM	What about microcoils? Do they preclude retreatment?	Jacob Cynamon
10:50 - 11:00 AM	Pulmonary pseudoaneurysms. Why and how to treat	Divya Kumari
11:00 - 11:10 AM	PAVM plugs or coils or both?	Justin McWilliams
11:10 - 11:20 AM	PAVM post-embolization persistence? Does it really matter? What is the evidence?	Brian Funaki
11:20 - 11:25 AM	Avoiding complication (1): paraplegia	Gloria Salazar
11:25 - 11:30 AM	Avoiding complication (2): stroke	Vivian Bishay
11:30 - 11:35 PM	Avoiding complication (3): systemic vasculature	John Angle
11:35 - 12:00 PM	Panel discussion	

10:30 - 12:00 PM Session XXVI: Liver Mets....		Empire East Ballroom
<b>Moderators: Daniel Brown and Donna D'Souza</b>		
10:30 - 10:40 AM	mCRC: When ablation is preferred to resection	Raj Narayanan
10:40 - 10:50 AM	mCRC: Radioembolization – segmental to lobar options	Daniel Brown
10:50 - 11:00 AM	mCRC: Still a role for TACE?	Sanjeeva Kalva
11:00 - 11:10 AM	mNET: Embolization – how to decide	Sarah White
11:10 - 11:20 AM	mNET: PRRT and Radioembolization – which radiation therapy, when	Suvranu Ganguli
11:20 - 11:30 AM	mBreast: Review of treatment options and outcomes	Donna D'Souza
11:30 - 11:40 AM	mMelanoma: Review of treatment options and outcomes	Kelvin Hong
11:40 - 12:00 PM	Panel discussion	



# PHYSICIANS-IN-TRAINING PROGRAM SCHEDULE

## WEDNESDAY, MAY 15, 2024

6:30-8:30 PM	<b>Physicians in Training Event Sponsored by Penumbra, Inc.: Reception &amp; Embolympics</b>	<b>New York West Ballroom</b>
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Kick off GEST 2024 with a competition designed to test your embolization skills. Learn more about Penumbra's Ruby embolization system and its application in challenging embolization case. Reception will consist of case-based discussions followed by interactive hands-on skills competition.

## THURSDAY, MAY 16, 2024

7:00 - 8:00 AM	<b>Physicians in Training I: Intro to Trainee Program &amp; Case Competition I</b>	<b>Empire East Ballroom</b>
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**Judges: Donna D'Souza, Claire Kaufman, Merve Ozen, Nassir Rostambeigi**

7:00 - 7:15 AM	Introduction to Trainee Program	Claire Kaufman and Donna D'Souza
7:15 - 7:22 AM	Modified "Balloon-Assisted" Gunsight Technique for TIPS creation and Variceal embolization	Chinonso Ani
7:22 - 7:29 AM	Plug Embolization of a Large Congenital Intrahepatic Portal-Hepatic Shunt in a Patient with Hepatic Encephalopathy	Brenda Chahla
7:29 - 7:36 AM	Embolization for Treatment of Chronic Achilles Tendinopathy	Millennie Chen
7:36 - 7:43 AM	Successful Embolization of Pancreatic Cystadenoma with Arteriovenous Shunting to Treat Ascites	Kausthubh Hegde
7:43 - 7:50 AM	Unilateral Adrenal Embolization for Ectopic ACTH Cushing's Syndrome	Abdul Khan
7:50 - 7:57 AM	Type 2 endoleak causing mesenteric steal phenomenon and ischemic colitis after endovascular aneurysm repair	Quinten Verhallemann

4:30 - 5:30 PM	<b>Physicians in Training II: Things Do Not Always Go to Plan – Case Based Discussion</b>	<b>Empire East Ballroom</b>
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**Moderators: Claire Kaufman and Donna D'Souza**

4:30 - 4:40 PM	Should I even have done that case?	Donna D'Souza
4:40 - 4:50 PM	Am I going to be sued for this? - Malpractice	Osman Ahmed
4:50 - 5:00 PM	Way to Improve - Quality improvement	Keith Quencer
5:00 - 5:10 PM	Oh no – How to disclose bad news to patient and family	Claire Kaufman
5:10 - 5:20 PM	What I have learned over the years when something goes wrong	Jim Benenati
5:20 - 5:30 PM	Panel discussion	

# PHYSICIANS-IN-TRAINING PROGRAM SCHEDULE

6:30-8:00 PM	<b>Physicians in Training Event Sponsored by Cook Medical: Cook's Big Trivia Night</b>	<b>New York West Ballroom</b>
	<b>Speakers: Kirema Garcia-Reyes and Osman Ahmed</b>	
	Cook's Big Trivia Night will be a competitive and educational event full of engagement with peers and subject matter experts! Please join us Thursday, May 16th to test your knowledge of embolization and other vascular topics hosted by Kirema Garcia-Reyes, MD and Osman Ahmed, MD. Food and Beverage will be included.	

## FRIDAY, MAY 17, 2024

7:00 - 8:00 AM	<b>Physicians in Training III: Case Competition II</b>	<b>Empire East Ballroom</b>
	<b>Judges: Donna D'Souza, Claire Kaufman, Merve Ozen, Nassir Rostambeigi</b>	
7:00 - 7:07 AM	Embolization of Portal Venous Bleeding after percutaneous liver biopsy Via Thin Recanalized Paraumbilical Vein	Serhat Akis
7:07 - 7:14 AM	Limb Salvage with Revascularization of Lower extremity after Gunshot Injury	Aamir Ali
7:14 - 7:21 AM	Reliable Occlusion of High Flow Shunt for Retrograde Transvenous Obliteration with a Single Device	Andrea Benson
7:21 - 7:28 AM	Radiofrequency Wire Recanalization for Chronic Venous Occlusion of the Superior Vena Cava	Rebecca Choi
7:28 - 7:35 AM	Transosseous Direct Puncture Endoleak Embolization for an Enlarging Internal Iliac Aneurysm after Stent Graft Placement	Joe Khoury
7:35 - 7:42 AM	Hepatic Lymphatic Embolization	Edwin Pagan
7:42 - 7:49 AM	Embolization of a spontaneous splenic artery to splenic vein fistula	Christine Yoon
6:30-8:00 PM	<b>Physicians in Training Event Sponsored by Boston Scientific: The Future of Interventional Oncology and Embolization: Developing the Next Generation of IRs</b>	<b>New York West Ballroom</b>

# SATURDAY, MAY 18, 2024

1:00 - 2:00 PM Exhibit Hall Tour

4:30 - 5:30 PM **Physicians in Training IV: How I Do it...Tips and Tricks for starting out** Empire East Ballroom

**Moderators: Merve Ozen and Samdeep Mouli**

4:30 - 4:40 PM	Looking back - what I wish I'd learned as a trainee	Merve Ozen
4:40 - 4:50 PM	Women in IR - how can I overcome the hurdles, including gender disparity, pregnancy?	Shellie Josephs
4:50 - 5:00 PM	Diversity in IR	Paul Rochon
5:00 - 5:10 PM	If You Build it They Will Come – How to build a practice from the ground up	Siddharth Padia
5:10 - 5:20 PM	You know how to do the case but do you know how to manage the patient? Primer on Clinical IR	Samdeep Mouli
5:20 - 5:30 PM	Expand Your Horizons – but I didn't do this in fellowship... what now?	Kirema Garcia-Reyes



# INDUSTRY PRESENTATIONS

## THURSDAY, MAY 16, 2024

### **Lunch Session Sponsored by Boston Scientific Empire East, 2nd Floor**

*Revolutionizing Embolization: Coils for Optimizing Treatment Algorithms*

Learn how to simplify procedures and optimize outcomes with Embold Detachable Coils.

### **Lunch Session Sponsored by Guerbet New York West, 3rd Floor**

*Practical Lymphatics: building a practice, financial considerations, and beyond*

Dive into lymphatics from a practical perspective with expert talks on building a practice, understanding the financial side of lymphatic procedures, and beyond.

**Speakers:** Bill Majdalany, Waleska Pabon-Ramos

### **Lunch Session Sponsored by Penumbra New York East, 3rd Floor**

*Case Based Discussion on Mechanical Occlusion Technology: Designed to Support the Challenges of PVD & Complex Anatomy*

PeVD Case Based Discussion on Mechanical Occlusion Technology: Designed to Support the Challenges of PeVD & Complex Anatomy.

**Moderator:** James Benenati

**Speakers:** Raj Pyne, Parag Patel, Neil Khilnani

## FRIDAY, MAY 17, 2024

### **9:40-9:55 am GEST Talk Sponsored by Varian, A Siemens Heathineers Company Exhibit Hall, 2nd Floor**

*Expanding Utilization: Early Clinical Experience with the New Innova-Varian Thrombectomy Device.*

- Introduction of the new mechanical aspiration device (Malibu) and clot retriever (Laguna) from Innova-Varian, and its significance in addressing complex cases.
- Explanation of the design and features of the new aspiration device and clot retriever.
- Presentation of early clinical experiences with the new device, including patient selection criteria, procedural techniques and outcomes.

- Discuss any observed improvements and consideration of the new device's role in optimizing patient care pathways in cancer and non-cancer.
- Closing remarks on the potential impact of the new mechanical aspiration device.

**Speaker:** Bulent Arslan

### **Lunch Session Sponsored by Medtronic Empire East, 2nd Floor**

*A Closer Look at Hemorrhoid Artery Embolization*  
Hemorrhoidal disease is a common anorectal condition that can result in bleeding, pain and reduced quality of life for patients. Please join this group of experts for interactive presentations and discussion around hemorrhoid artery embolization treatment techniques.

**Moderator:** Anuj Malhotra

**Speakers:** Osman Ahmed, Romaric Loffroy

### **Lunch Session Sponsored by Boston Scientific New York West, 3rd Floor**

*Revolutionizing Embolization: Patient and Case Selection with Conformable Embolic*

Learn about case selection with Obsidio Conformable Embolic and how to optimize treatment using this innovative device.

### **Lunch Session Sponsored by Sirtex New York East, 3rd Floor**

*Optimizing Embolization Cases with LAVA Liquid Embolic System and Maximizing Y-90 Time Management with SIR-Spheres FLEXdose and Order-Map Treat Programs*

Sirtex welcomes Dr. Gary Siskin and Dr. Asad Baig to share experiences with the LAVA Liquid Embolic System and SIR-Spheres Y-90 resin microspheres during this lunch symposium. Dr. Siskin will present an overview of the new LAVA product and discuss how he has implemented the liquid embolic into his practice to optimize embolization cases. Dr. Baig will close the session with a presentation on the Order-Map- Treat and FLEXdose Delivery Programs and how they contribute to increased efficiency and flexibility at his institution.

**Speakers:** Gary Siskin, Asad Baig

# INDUSTRY PRESENTATIONS

## **2:40-2:55 pm GEST Talk Sponsored by Terumo**

### **Exhibit Hall, 2nd floor**

*Are you Radial First? Bringing the Transradial Approach to Your Practice*

Discover the clinical benefits of taking a “radial first” approach.

**Speaker:** Marcelo Guimaraes

## **SATURDAY, MAY 18, 2024**

## **7:30-8:30 am Breakfast Session Sponsored by**

### **Boston Scientific**

#### **Empire East, 2nd Floor**

*The Future of Medicine: Breadth of the Modern IR*

## **8:30-9:15 am MIM SurePlan™ LiverY90 Hands-on**

### **Gramercy, 1st Floor**

MIM Software Inc. offers a suite of tools that support Interventional Radiology's role in the patient care pathway.

MIM SurePlan™ LiverY90 provides tools for liver and tumor segmentation, deformable registration, and post-treatment dosimetry.

## **9:15-10:00 am TheraSphere Y90 Dosimetry Hands-On**

### **Bowery, 1st Floor**

The session will begin with an overview provided by expert faculty. Following this introduction, participants will work in pairs at dedicated workstations to calculate and prescribe doses for prepared mock cases of varying difficulty using multiple models and under the supervision of faculty.

## **Lunch Session Sponsored by Terumo**

### **Empire East, 2nd Floor**

*Beyond the Standard: Innovations in Embolization with Hydrogel Technology*

Discover clinical insights into hydrogel technology, learn invaluable tips and tricks for mastering rectal artery embolization, and stay updated on the latest developments in portal hypertension.

**Panel:** Jafar Golzarian, Edward W. Lee, Jean-Pierre Pelage, Jessica Stewart

## **Lunch Session Sponsored by GE HealthCare**

### **New York West, 3rd Floor**

*How Image Guiding Solutions enhance your IR practice?*

#### **Speakers:**

David C. Madoff - The Contribution of Ai-Assisted Embolization Planning & 3D Navigation Software to Liver Tumor Treatments: GE HealthCare Liver Assist Virtual Parenchyma

Francois Cornelis - Advanced Navigation for Percutaneous Image-Guided Procedures

## **Lunch Session Sponsored by Gore & Associates**

### **New York East, 3rd Floor**

*Talking TIPS: A Panel on Advancing Liver Care through Interdisciplinary Collaboration*

**Moderator:** Wael E.A. Saad

**Speakers:** George Behrens, Parvez S Mantry

## **5:30-6:30 pm Women in IR Networking Reception**

### **Sponsored by GE HealthCare**

#### **New York West, 3rd Floor**

# POSTER DIRECTORY

## EDUCATIONAL POSTERS

<b>EP - 01</b>	Rina Petek	CT-guided radiofrequency ablation for osteoid osteomas in the pediatric population	Bone and MSK: IO and Non-IO
<b>EP - 02</b>	Fereshteh Yazdanpanah	Embolization of desmoids & soft tissue sarcomas	Bone and MSK: IO and Non-IO
<b>EP - 03</b>	Stefan Brancel	Drowning in blood: a case based approach to what interventional radiologists need to know about hemoptysis	Hemorrhage
<b>EP - 04</b>	Andrea Guastavino	Challenging embolization of ruptured anastomotic arc's pseudoaneurysms in celiac trunk's occlusion and pancreatitis	Hemorrhage
<b>EP - 05</b>	Chris Stevens	Use of new novel LOBO occlusion device in a single institution	Hemorrhage
<b>EP - 06</b>	Anna Hu	Contrast enhanced ultrasound in pediatrics: fundamentals, advantages, and clinical applications	Imaging
<b>EP - 07</b>	Jennifer Ramos	Utility of ProTrieve Sheath for central protection during foreign body & IVC filter retrieval	Imaging
<b>EP - 08</b>	Anna Hu	Pulsed electric field treatment of solid tumors	Immuno-Oncology
<b>EP - 09</b>	Stefan Brancel	So big, they're bad: interventional procedures for giant hepatic hemangiomas	Liver: IO and Non-IO
<b>EP - 10</b>	Joe Khoury	Rendezvous; insight on collaborative efforts between IR and GI from twin fellows	Liver: IO and Non-IO
<b>EP - 11</b>	Ashley Lamba	Percutaneous hepatic perfusion to treat hepatic uveal melanoma metastasis	Liver: IO and Non-IO
<b>EP - 12</b>	Rebecca Le	Diagnosis and intervention of splenic steal syndrome in post-liver transplant recipients	Liver: IO and Non-IO
<b>EP - 13</b>	Cindy Takigawa	Guide for the diagnostic and interventional radiologist in hepatic arterial infusion pump therapy	Liver: IO and Non-IO
<b>EP - 14</b>	Thomas Turner	Immunotherapy and transarterial treatments for hepatocellular carcinoma: an introduction for interventional radiologists	Liver: IO and Non-IO
<b>EP - 15</b>	Shriya Veluri	Creating transvenous intrahepatic portosystemic shunts (TIPS) with the aid of ultrasound	Liver: IO and Non-IO
<b>EP - 16</b>	Fereshteh Yazdanpanah	Optimizing predictive models for 90Y radioembolization response based on PET/CT radiomics features	Liver: IO and Non-IO
<b>EP - 17</b>	Fereshteh Yazdanpanah	Dose precision assessment with pre-treatment 99mTc-MAA SPECT/CT in 90Y radioembolization for hepatocellular carcinoma	Liver: IO and Non-IO
<b>EP - 18</b>	Fereshteh Yazdanpanah	Improving radioembolization dosimetry: the impact of a total-body PET prototype	Liver: IO and Non-IO
<b>EP - 19</b>	Pallavi Nadendla	Thoracic duct glue embolization	Lymphatic Interventions
<b>EP - 20</b>	Pagah Naeimi	Novel use of obsidiotm conformable embolic for thoracic duct embolization in a patient with post-operative chylothorax	Lymphatic Interventions
<b>EP - 21</b>	Ajay Varadhan	PAE for refractory or recurrent LUTs, anatomic and technical considerations with Angio-CT	Men's Health: PAE, Varicocele

<b>EP - 22</b>	Gavin Yuan	Techniques and considerations of cryoablation in prostate cancer	Men's Health: PAE, Varicocele
<b>EP - 23</b>	Mitchell Sungelo	Middle meningeal artery embolization for treatment of chronic subdural hematomas	Neurovascular
<b>EP - 24</b>	Imran Alam	A case-based exploration of nasopharyngeal angiofibroma embolization strategies	Other
<b>EP - 25</b>	Nouran Elghitany	Image guided placement of pull technique gastrostomy tube	Other
<b>EP - 26</b>	Andrea Guastavino	Surgical pre-embolization of a hypervascularized soft tissue pelvic mass defined at pathology as aggressive angiomyxoma	Other
<b>EP - 27</b>	Kausthubh Hegde	Partial splenic artery embolization using cyanoacrylate glue in interventional radiology	Other
<b>EP - 28</b>	Anna Hu	Geospatial analysis of interventional radiology employment opportunities in the United States	Other
<b>EP - 29</b>	Anna Hu	Dissecting the interventional radiology employment market: insight into procedures performed and diagnostic duties	Other
<b>EP - 30</b>	Anna Hu	Advancing obesity management: overview of bariatric arterial embolization for weight reduction and metabolic improvement	Other
<b>EP - 31</b>	Peter Kolyvas	Risk factors for dissection of celiac and hepatic artery	Other
<b>EP - 32</b>	Edwin Pagan	Percutaneous ablation techniques to limit post-procedure complications	Other
<b>EP - 33</b>	Leilani Hernandez	A tricky business: embolization of the adrenal gland for painful metastases	Pain interventions
<b>EP - 34</b>	Anna Hu	Navigating transcatheter arterial embolization for plantar fasciitis: key anatomical and procedural considerations	Pain interventions
<b>EP - 35</b>	Michael Lee	Percutaneous cryoneurolysis of the splanchnic nerves: help your patients with refractory abdominal pain	Pain interventions
<b>EP - 36</b>	Giovanni Santoro	Thoracic medial branch nerve block and ablation: A novel CT-guided approach for accurate needle placement	Pain interventions
<b>EP - 37</b>	Victoria Kim	Cryoablation of challenging pediatric thoracic spine osteoid osteoma	Pediatric
<b>EP - 38</b>	Israa Alsulami	Management options for endoleaks post endovascular aortic aneurysm repair (EVAR)	Peripheral Arterial/ Aortic
<b>EP - 39</b>	Ashley Lamba	Indications and technical steps of percutaneous deep vein arterialization in severe peripheral artery disease	Peripheral Arterial/ Aortic
<b>EP - 40</b>	Izzet Altun	Unblocking the portal: advanced imaging and interventional radiology in acute and chronic portal vein thrombosis	Portal Interventions and Hypertension
<b>EP - 41</b>	Stefan Brancel	Stop the steal: splenic artery embolization in liver transplant patients for hepatic artery hypoperfusion syndrome	Portal Interventions and Hypertension
<b>EP - 42</b>	Stefan Brancel	Slow the flow: tips for transjugular intrahepatic portosystemic shunt (TIPS) reduction	Portal Interventions and Hypertension
<b>EP - 43</b>	William Denton	TIPS training in-silicon: introducing a novel reproducible liver phantom	Portal Interventions and Hypertension

# POSTER DIRECTORY

<b>EP - 44</b>	Mira Malavia	ICE-guided transjugular intrahepatic portosystemic shunt creation and thrombectomy for mesenteric ischemia	Portal Interventions and Hypertension
<b>EP - 45</b>	Sandhya Patel	Sinistral portal hypertension- management of splenic vein thrombosis	Portal Interventions and Hypertension
<b>EP - 46</b>	Shreekar Patel	Superior mesenteric vein stenting for malignant, extrahepatic portomesenteric hypertension	Portal Interventions and Hypertension
<b>EP - 47</b>	Andrew Peterson	The Y configuration TIPS revision technique	Portal Interventions and Hypertension
<b>EP - 48</b>	Roshan Valentine	Embolisation of an unusual cause of encephalopathy in a non-cirrhotic adult: case report	Portal Interventions and Hypertension
<b>EP - 49</b>	Ibrahim Alrashidi	Embolization of urinary tract fistulae using an AMPLATZER vascular plug and glue	Renal: IO and Non-IO
<b>EP - 50</b>	Ashley Bancroft	Challenges and advancements of various methods for obtaining hemodialysis access	Renal: IO and Non-IO
<b>EP - 51</b>	Ashley Bancroft	Nephrostomy versus nephroureteral stent; an ongoing battle	Renal: IO and Non-IO
<b>EP - 52</b>	Amin Mahsouli	Unusual management of massive postoperative urinary leak	Renal: IO and Non-IO
<b>EP - 53</b>	Caroline Clausen	Anastomoses between bronchial and coronary arteries: a rare yet important anatomical variant	Thoracic: IO and Non-IO
<b>EP - 54</b>	Joshua Eves	Use of IR to manage a lung complication of TB – embolization of a Rasmussen's aneurysm	Thoracic: IO and Non-IO
<b>EP - 55</b>	Joshua Levy	Prompt diagnosis and endovascular management of Paget Schroetter Syndrome	Thoracic: IO and Non-IO
<b>EP - 56</b>	Imran Alam	Flow control: novel methods for treating intramuscular fast flow vascular anomalies	Vascular Malformations
<b>EP - 57</b>	Stefan Brancel	Navigating the pulmonary arteriovenous malformation maze for a breath of clarity	Vascular Malformations
<b>EP - 58</b>	Bhavya Kanuga	Onyx® embolization of large bleeding uterine arteriovenous malformations: finding the right balance	Vascular Malformations
<b>EP - 59</b>	Stefan Brancel	Help I'm stuck and I can't get out: a guide to complex inferior vena cava filter retrieval	Veins and Fistulae
<b>EP - 60</b>	Sajel Dutt	Gendering affirming surgeries and their complications: what every IR should know	Veins and Fistulae
<b>EP - 61</b>	Steven Shamah	Indications and techniques for embolization in dialysis access intervention	Veins and Fistulae
<b>EP - 62</b>	Rajshree Singh	Vein or vain: distinguishing IVC anomalies from post-thrombotic syndrome and the role of pre-procedural imaging	Veins and Fistulae
<b>EP - 63</b>	Andrea Guastavino	Embolization therapy of rapidly growing multiple visceral pseudoaneurysms in a patient with Turner's Syndrome	Visceral Aneurysms/ Pseudoaneurysms
<b>EP - 64</b>	Joshua Levy	Unique presentation and endovascular management of a renal artery aneurysm with concurrent cerebral aneurysm	Visceral Aneurysms/ Pseudoaneurysms
<b>EP - 65</b>	Shreekar Patel	Recurrent superior mesenteric artery branch pseudoaneurysm embolization	Visceral Aneurysms/ Pseudoaneurysms

<b>EP - 66</b>	Shreekar Patel	Inferior pancreaticoduodenal artery aneurysm embolization	Visceral Aneurysms/ Pseudoaneurysms
<b>EP - 67</b>	Ujjwal Gorsl	Imaging and interventions in uterine arteriovenous malformations	Women's Health: UAE, Pelvic Congestion Syndrome
<b>EP - 68</b>	Albert Hwang	UFE for bulk symptoms of massive uterine fibroids using a staged approach: a volumetric analysis of size reduction	Women's Health: UAE, Pelvic Congestion Syndrome
<b>EP - 69</b>	Katherine McNamara	Ovarian vein embolization using cyanoacrylate for pelvic venous insufficiency	Women's Health: UAE, Pelvic Congestion Syndrome
<b>EP - 70</b>	Shreekar Patel	Single access embolization of bilateral ovarian vein and iliac vein tributary in pelvic congestion syndrome	Women's Health: UAE, Pelvic Congestion Syndrome

## SCIENTIFIC POSTERS

<b>SP - 01</b>	Noha Elghitany	Liquid versus foam sclerotherapy regarding skin pigmentation after treatment of telangiectasias and reticular veins	Cosmetic
<b>SP - 02</b>	Shaileshkumar Garge	Is ultrasound-guided percutaneous microwave ablation the future of treating benign breast lesions?	Cosmetic
<b>SP - 03</b>	Ibrahim Alrashidi	Transcatheter arterial embolization for hemorrhage after gynecologic hysterectomy: a multicenter study	Hemorrhage
<b>SP - 04</b>	Ibrahim Alrashidi	Renal artery embolization for spontaneous hemorrhage in patients with acquired cystic kidney disease	Hemorrhage
<b>SP - 05</b>	Shriya Veluri	Outcomes of patients with posttraumatic bleeding treated with transcatheter arterial N-butyl cyanoacrylate embolization	Hemorrhage
<b>SP - 06</b>	Prashant Shrestha	Retrospective analysis of combined same session TACE and ablation in treatment for hepatocellular carcinoma	Immuno-Oncology
<b>SP - 07</b>	Shamar Young	Safety and efficacy of transarterial radioembolization and immunotherapy in HCC	Immuno-Oncology
<b>SP - 08</b>	Ibrahim Alrashidi	Initial and best responses after TACE in the treatment of intermediate-stage HCC	Liver: IO and Non-IO
<b>SP - 09</b>	Jirapa Chansangrat	Optimizing neuroendocrine liver metastases treatment: TAE vs TARE decision strategies, outcomes & hepatic toxicity	Liver: IO and Non-IO
<b>SP - 10</b>	Eshani Choksi	Safety and efficacy of intracardiac echocardiography (ICE) guidance for TIPS creation: a systematic review	Liver: IO and Non-IO
<b>SP - 11</b>	Elias El-Haddad	Microwave ablation of hepatocellular carcinoma in patients with diuretic-resistant ascites	Liver: IO and Non-IO
<b>SP - 12</b>	Yutong Li	Factors predicting complete pathological necrosis after Y90-radioembolization in patients undergoing liver transplant	Liver: IO and Non-IO
<b>SP - 13</b>	Dheeraj Shyam Venkat narayan	To determine whether drug eluting beads-TACE is superior to conventional TACE in regard to treatment response for HCC	Liver: IO and Non-IO
<b>SP - 14</b>	Nathan Sim	Solute transport with an in vitro model of hepatocellular carcinoma	Liver: IO and Non-IO

# POSTER DIRECTORY

<b>SP - 15</b>	Shriya Veluri	Knowledge of prevention of hepatocellular carcinoma and the role of interventional oncology in its treatment	Liver: IO and Non-IO
<b>SP - 16</b>	Fereshteh Yazdanpanah	Sarcopenia and myosteatosis are associated with worse survival after TACE of liver metastases	Liver: IO and Non-IO
<b>SP - 17</b>	Fereshteh Yazdanpanah	Myosteatosis is associated with worsened post-TARE outcomes	Liver: IO and Non-IO
<b>SP - 18</b>	Shamar Young	Normal tissue dose thresholds in HCC patients: a volume reduction study	Liver: IO and Non-IO
<b>SP - 19</b>	Shamar Young	Treatment of intrahepatic cholangiocarcinoma: comparison of cryoablation and selective internal radiotherapy	Liver: IO and Non-IO
<b>SP - 20</b>	Ibrahim Alrashidi	Lymphatic imaging and intervention for chylothorax following thoracic aortic surgery	Lymphatic Interventions
<b>SP - 21</b>	Kunal Gala	Retrospective analysis of diagnostic accuracy of CT guided head and neck region biopsies	Other
<b>SP - 22</b>	Irem Islek	Subsegmental bile duct emolisation after living donor liver transplantation and hepatic surgery	Other
<b>SP - 23</b>	Mohammad Zuber	To study the role of endovascular embolisation (emborrhoid) using coils and PVA particles in treatment of hemorrhoids	Other
<b>SP - 24</b>	Shaileshkumar Garge	Ozone disc nucleolysis: an emerging minimally invasive treatment option for intervertebral disc herniation	Pain interventions
<b>SP - 25</b>	Benjamin Park	Medial calcaneal artery embolization for the treatment of chronic plantar fasciitis	Pain interventions
<b>SP - 26</b>	Rina Petek	Recanalization of chronic portal and mesenteric venous occlusions in the non-transplant pediatric population	Pediatric
<b>SP - 27</b>	Shakthi Kumaran Ramasamy	Comparative effectiveness of endovascular therapy vs surgery in CLTI: a meta-analysis of the BEST-CLI and BASIL-2 trials	Peripheral Arterial/ Aortic
<b>SP - 28</b>	Rebecca Choi	Managing intractable portal vein stenosis in pediatric liver transplant patients	Portal Interventions and Hypertension
<b>SP - 29</b>	Abdul Rehman Mustafa	Proximal splenic artery embolization: alternative treatment for refractory ascites	Portal Interventions and Hypertension
<b>SP - 30</b>	Francis Celii	Safety and efficacy of single-session prone trans-radial embolization and ablation treatment of cT1 renal cell carcinoma	Renal: IO and Non-IO
<b>SP - 31</b>	Paige Reed	Thermal ablation as a salvage treatment for locally recurrent RCC following surgery	Renal: IO and Non-IO
<b>SP - 32</b>	Ujjwal Gorsli	Endovascular embolisation for control of massive hemoptysis secondary to pulmonary artery pseudo aneurysms	Thoracic: IO and Non-IO
<b>SP - 33</b>	Rina Petek	Safety and efficacy of staged thoracentesis for large volume pleural effusions	Thoracic: IO and Non-IO
<b>SP - 35</b>	Thomas Li	Safety and efficacy of the abre venous stent in treating thoracic venous stenosis/occlusion: a single-center experience	Veins and Fistulae
<b>SP - 36</b>	Hirdah Rana	Portal venous thrombosis after partial splenic embolization- How common is it? A single centre experience	Portal Interventions and Hypertension

## TRAINEE CASE POSTERS

<b>TCP - 01</b>	Khadijah Alhussaini	Stopping the bleeding of a nasty sarcoma	Hemorrhage
<b>TCP - 02</b>	Mohammad Elhissi	Massive upper GI bleeding in celiac trunk stenosis; understanding blood flow dynamics is a must	Hemorrhage
<b>TCP - 03</b>	Joshua Eves	Try and try again: multiple embolizations of a persistent peri-pancreatic pseudoaneurysm	Hemorrhage
<b>TCP - 04</b>	Bryan Harris	Proximal splenic artery embolization with coils and conformable embolic in a young female, reducing fluoroscopy time	Hemorrhage
<b>TCP - 05</b>	Edwin Pagan	Hepatic vein injury with intraabdominal hemorrhage	Hemorrhage
<b>TCP - 07</b>	Mohammad Mirza-Aghazadeh-Attari	Visualization of the microanatomy of a biliary stricture with a low-profile optical coherence tomography probe	Imaging
<b>TCP - 08</b>	Natalie Hagan	Case report on novel oncolytic viral therapy	Immuno-Oncology
<b>TCP - 09</b>	Michael Mohnasky	Rare case of replaced right hepatic artery embolized during TARE	Liver: IO and Non-IO
<b>TCP - 10</b>	Olivia Kola	Preoperative embolization of metastatic renal cell carcinoma of the scapula with obsidio conformable embolic	Other
<b>TCP - 11</b>	Cornelia Dewald	Superior mesenteric vein access for portal vein recanalization-transjugular intrahepatic portosystemic shunt (PVR-TIPS)	Portal Interventions and Hypertension
<b>TCP - 12</b>	Johannes du Pisanie	Hepatic infarction: rare complication post DIPS and hepatic aneurysm embolization for EGPA, budd-chiari, and cirrhosis	Portal Interventions and Hypertension
<b>TCP - 13</b>	Yejun Hong	Large-bore aspiration thrombectomy and splenic artery embolization for recurrent TIPS dysfunction and variceal bleeding	Portal Interventions and Hypertension
<b>TCP - 14</b>	Steven Shamah	Transsplenic antegrade transvenous obliteration of gastric varices in a patient with primary sclerosing cholangitis	Portal Interventions and Hypertension
<b>TCP - 15</b>	Christine Yoon	Endovascular management of severe rectal variceal hemorrhage	Portal Interventions and Hypertension
<b>TCP - 16</b>	Benjamin Park	Mechanical thrombectomy for pulmonary artery glue embolization during portal vein embolization	Thoracic: IO and Non-IO
<b>TCP - 17</b>	Khadijah Alhussaini	Pregnancy after hybrid embolization for uterine arteriovenous malformation	Vascular Malformations
<b>TCP - 18</b>	Khadijah Alhussaini	Rectal arteriovenous malformation treated with endovascular embolization	Vascular Malformations
<b>TCP - 19</b>	Kalei Hering	Use of polyurethane covered stent for treatment of recanalization of a pulmonary arteriovenous malformation	Vascular Malformations
<b>TCP - 20</b>	Kalei Hering	Embolization of a bleeding duodenal arteriovenous malformation with a conformable embolic material (Obsidio)	Vascular Malformations
<b>TCP - 21</b>	Abdul Rehman Mustafa	Complex bilateral pulmonary AVMs treated with stepwise embolizations: rare manifestation of Sjogren's Syndrome	Vascular Malformations

# POSTER DIRECTORY

<b>TCP - 22</b>	Kausthubh Hegde	Treatment of portal vein thrombosis with porto-enteric fistula after whipple procedure	Veins and Fistulae
<b>TCP - 23</b>	Israa Alsulami	Endovascular management of incidental three large renal artery aneurysms	Visceral Aneurysms/ Pseudoaneurysms
<b>TCP - 24</b>	Israa Alsulami	Angioembolization of cystic artery aneurysm in patient with cholecystoduodenal fistula	Visceral Aneurysms/ Pseudoaneurysms
<b>TCP - 25</b>	William Denton	Bilateral ovarian artery embolization for a large cervical leiomyoma	Women's Health: UAE, Pelvic Congestion Syndrome
<b>TCP - 26</b>	Kalei Hering	Retro-aortic nutcracker syndrome	Women's Health: UAE, Pelvic Congestion Syndrome



# EXHIBIT DIRECTORY

## Abbott Vascular

Booth: 109

<https://www.cardiovascular.abbott/us/en/home.html>

Categories: Vascular|Vascular Access

Abbott is a global healthcare leader that helps people live more fully at all stages of life. Our portfolio of life-changing technologies spans the spectrum of healthcare, with leading businesses and products in diagnostics, medical devices, nutritionals and branded generic medicines. Our 109,000 colleagues serve people in more than 160 countries.

## ABK Biomedical

Booth: 404

<https://abkbiomedical.com>

Categories: Interventional Oncology|Microspheres|Y90/Radioembolization

ABK Biomedical is committed to research, develop, and commercialize breakthrough medical device therapies to improve patient treatment outcomes.

## ALN Implants Chirurgicaux

Booth: 107

<http://www.aln2b.com>

Categories: Interventional Radiology|Vascular

ALN Implants Chirurgicaux is the manufacturer of the ALN Optional IVC Filter and its Extraction and/or Repositioning kits. With a wealth of experience of more than 30 years and a proven track record of success, ALN gets into the position of the leader in the Vena Cava Filtration on numerous markets in all around the world.

## Asahi Intecc USA

Booth: 400

<https://asahi-inteccusa-medical.com/>

Categories: Interventional Radiology|Microcatheters

Asahi Intecc is a medical device company focused on delivering clinically unique devices used in vascular procedures by interventional cardiologists, interventional radiologists, vascular surgeons and neurovascular surgeons. Asahi will leverage its four core competencies to develop device-based solutions targeting specific niches where Asahi can achieve a market leading position.

## BALT

Booth: 106

<http://www.balt-corp.com>

Categories: Coils|Interventional Radiology|Liquid Embolics

Balt has been collaborating with physicians for 40 years by providing them with differentiated and clinically relevant solution for the treatment of patients with neurovascular diseases. Already present in the peripheral market for years with renown products as the Cristal Balloon, Balt is now developing its portfolio with the same technology driven policy. Balloon catheter, microcatheter, pushing and detachable coils, liquids embolic ... Visit our booth to discover more about our products!

## Boston Scientific

Booth: 100

<http://www.bsci.com>

Categories: Interventional Oncology|Interventional Radiology|Y90/Radioembolization



Boston Scientific transforms lives through innovative solutions that improve the health of patients around the world. As a global medical technology leader for over 40 years, we advance science for life by providing a broad range of performance solutions that address unmet patient needs and reduce health care costs.

## Cook Medical Incorporated

Booth: 213

<https://www.cookmedical.com/interventional-radiology/>

Categories: Coils|Interventional Radiology|Microcatheters



Since 1963, Cook Medical has worked closely with physicians to develop technologies that eliminate the need for open surgery. Today we invent, manufacture and deliver a unique portfolio of medical devices to the healthcare systems of the world. Serving patients is a privilege, and we demand the highest standards of quality, ethics and service.

## CrannMed Ltd.

Booth: 406

# EXHIBIT DIRECTORY

## Embolx

Booth: 111

<http://embolx.com>

Categories: Interventional Radiology|Microcatheters

Embolx is an emerging commercial-stage medical device company in Silicon Valley developing microcatheters for arterial embolization procedures. Embolx is committed to dramatically improving the treatment of a variety of conditions including cancerous tumors, benign prostatic hyperplasia and uterine fibroids.

## Endovascular Today

Booth: 405

[www.evtoday.com](http://www.evtoday.com)

Categories: Interventional Oncology|Interventional Radiology|Vascular

Endovascular Today and Cardiac Interventions Today provide interventional specialists with information encompassing techniques, technology, and clinical data. Whereas Endovascular Today has established itself as the premier peripheral vascular publication, Cardiac Interventions Today is dedicated to covering interventional procedures for coronary disease and structural heart defects.

## Fluidx Medical Technology, Inc.

Booth: 202

<http://www.fluidxmedical.com>

Categories: Interventional Oncology|Interventional Radiology|Liquid Embolics|Neurological

Fluidx Medical Technology's GPX Embolic Device is an innovative embolic agent that is designed for ease of use, versatility, and improved control during delivery. Simple preparation (ready-to-use syringe, no special materials or catheters required) Controllable material delivery; Radiopaque material allows for real-time visualization Occlusion is not based on a patient's coagulation situation.

## GE HealthCare

Booth: 114

Categories: Imaging|Interventional Oncology|Interventional Radiology

GE Healthcare is a leading global medical technology, pharmaceutical diagnostics and digital solutions innovator business. GE Healthcare enables clinicians to make faster, more informed decisions through intelligent



devices, data analytics, applications and services, supported by its Edison intelligence platform. With over 100 years of healthcare industry experience the company helps drive productivity and improve outcomes for patients, providers, health systems and researchers around the world.

## Gore & Associates

Booth: 204

<http://www.goremedical.com>

Categories: Cardiology|Interventional Radiology|Portal Intervention|Vascular|Vascular Access

Gore engineers medical devices that treat a range of cardiovascular and other health conditions. With more than 50 million medical devices implanted over the course of more than 45 years, Gore builds on its legacy of improving patient outcomes through research, education and quality initiatives.

## Guerbet LLC

Booth: 201

<http://www.guerbet-us.com>

Categories: Imaging|Interventional Oncology|Interventional Radiology|Lymphatic Intervention|Pharmaceutical

Guerbet LLC is part of the Guerbet Group, the pharmaceutical and medical device company, that has been supporting healthcare professionals specialized in diagnostic and interventional imaging since 1926. Guerbet develops and markets solutions for Interventional Radiology and Oncology.

## Interventional News

Booth: 304

[interventionalnews.com/](http://interventionalnews.com/)

Categories: Interventional Oncology|Interventional Radiology|Vascular Access

Interventional News is a specialised, quarterly newspaper that goes out to over 11,000 subscribers in Europe and North America and contains breaking stories, opinion from key interventional radiology thought leaders, summaries of cutting-edge research, expert analysis, conference coverage, and updates on the latest products in the medical device industry.

## Medtronic

Booth: 200

<http://www.medtronic.com>

Categories: Coils|Interventional Radiology|Plugs



We lead global healthcare technology, boldly attacking the most challenging problems. Our Mission — to alleviate pain, restore health, and extend life — unites a global team of 90,000+ people, and our technologies transform the lives of two people every second, every hour, every day. Expect more from us.

## Merit Medical Systems, Inc.

Booth: 208

<http://www.merit.com>

Categories: Plugs|Microspheres|Particles

Merit Medical is a leading innovator in Embolics. Our portfolio reflects the commitment to deliver clinically proven and data-backed embolization results. Our proprietary products are the most studied on the market and allow for efficient and safe delivery.

## MIM Software

Booth: 407

MIM Software Inc. offers a suite of tools that support Interventional Radiology's role in the patient care pathway. MIM SurePlan™ LiverY90 provides tools for liver and tumor segmentation, deformable registration, and post-treatment dosimetry.

## Okami Medical

Booth: 105

<http://okamimedical.com>

Categories: Interventional Radiology|Plugs|Vascular

Okami Medical is a medical device company focused on developing innovative solutions that address key unmet clinical needs in peripheral vascular intervention. Our LOBO Vascular Occlusion System is designed and purpose-built to provide interventional physicians with a One-and-Done solution for the occlusion of a wide range of peripheral arterial targets.

## Penumbra, Inc.

Booth: 101

<http://penumbrainc.com>

Categories: Vascular|Microcatheters|Coils.



Penumbra, Inc. is a global healthcare company focused on innovative therapies that address challenging medical conditions & unmet needs.

## Quantum Surgical

Booth: 104

<https://www.quantumsurgical.com/>

Categories: Ablation|Interventional Oncology|Interventional Radiology

With 400+ patients treated worldwide, Quantum Surgical offers a standardized approach to cancer treatment with its all-in-one Epione® platform allowing to plan, target, deliver and confirm tumor ablation.

## QXMédical

Booth: 402

<https://www.qxmedical.com>

QXMédical designs and manufactures first-in-class medical devices that address the complexities of today's ever-evolving needs in the fields of minimally invasive coronary, peripheral and endovascular interventions.

## Siemens Healthineers

Booth: 302

## Sirtex Medical Inc.

Booth: 108

<https://www.sirtex.com>

Categories: Interventional Radiology|Microspheres|Y90/Radioembolization

Sirtex Medical is a global healthcare business with offices in the U.S., Australia, Germany and Singapore, working to improve outcomes in people with cancer. Our current lead product is a targeted radiation therapy for liver cancer called SIR-Spheres® Y-90 resin microspheres. Learn more about Sirtex in our interactive virtual booth: <https://www.sirtexvirtualbooth.com>.

# EXHIBIT DIRECTORY

## Terumo Medical

Booth: 115

<http://terumo.co.jp>

Categories:

Coils|Microcatheters|Microspheres|Plugs|Vascular Access

Terumo Interventional Systems (TIS), is a market leader in minimally invasive entry site management, lesion access, and interventional technologies. TIS offers a complete, solution-based portfolio in advanced coronary, peripheral and endovascular treatments with strategic initiatives in Transradial Access and Complex Coronary Intervention.



pancreatic tumors. By integrating an immunotherapeutic with innovative drug delivery technologies, TriSalus' platform seeks to address two of the most significant barriers that limit the effectiveness of current treatments for liver and pancreatic tumors: immunosuppression and high intratumoral pressure.

## UniRay Medical LLP

Booth: 403

<https://uniraymedical.com>

Categories: Cardiology|Imaging|Interventional Radiology|Urology

Manufacturer of Radiation Protection Products for Interventional Radiologists, Neuroradiologists, Vascular Surgeons, Cardiologists, clinical radiologists as well as all x-Ray guided surgeries.

## TriSalus Life Sciences

Booth: 300

<http://trisaluslifesci.com>

Categories: Microcatheters

TriSalus Life Sciences® is an interventional immunotherapy company on a mission to extend and improve the lives of patients living with liver and

## Varian, A Siemens Healthineers Company/Siemens Healthineers

Booth: 401





# GEST2025

GLOBAL  
EMBOLIZATION  
ONCOLOGY  
SYMPOSIUM  
TECHNOLOGIES

**LOCATION:**

Sheraton New York  
Times Square Hotel,  
New York City

**DATES:**

May 15-18, 2025

**MSK**   
Musculoskeletal  
Embolization

**LOCATION:**

Marriott  
Rive Gauche Hotel,  
Paris, France

**DATES:**

January 17-18, 2025



[thegestgroup.com](http://thegestgroup.com)