

# PROGRAM SCHEDULE

## THURSDAY, MAY 18, 2023

<b>8:00-9:30am</b>	<b>Session I: Masterclass Coils</b>	<b>Metro East Ballroom</b>
<b>Moderators: Jafar Golzarian and Vivian Bishay</b>		
8:00-8:40	Masterclass coil demonstration	Marc Sapoval, Gary Siskin
8:40-9:30	Panel video and rapid fire discussion	Dania Daye, Parag Patel, Jean-Pierre Pelage, Kelvin Hong, Scott Trerotola
<b>9:30-10:00 am</b>	<b>Refreshment Break and Visit Exhibits</b>	<b>Exhibit Hall</b>
<b>9:30-10:00 am</b>	<b>Visit Educational/Scientific Posters</b>	<b>Empire West Ballroom</b>
<b>10:00-11:30am</b>	<b>Session II: Vanguard and Honorary Lecture</b>	<b>Metro East Ballroom</b>
<b>Moderators: Jafar Golzarian, Marc Sapoval, and Nishita Kothary</b>		
10:00-10:12	Vanguard in embolization: what will we be doing in 5 years?	Lindsay Machan
10:12-10:24	Vanguard in IO: what will we be doing in 5 years?	Daniel Sze
10:24-10:30	Panel discussion	
10:30-10:42	The role of AI in improving outcome in research and practice development	Hamid Mojibian
10:42-10:54	Paradigm shift toward outpatient embolotherapy/IO: OBL/ASC	David Sperling
10:54-11:00	Panel discussion	
11:00-11:25	The destiny of Interventional radiology: innovate or perish!	Gilles Soulez
11:25-11:30	Award	
<b>10:00-11:30am</b>	<b>Abstract Session I</b>	<b>New York East</b>
	Outcomes and safety of microwave ablation of metastatic lesions in adrenal glands	Emiliano Garza-Frias
	Percutaneous endoluminal RFA for the management of inoperable intrahepatic CCC - technique and feasibility	Tinatini Tchokhanelidze
	Long term outcomes and safety of cryoablation in the liver	Artyom Abramyan
	T1b renal cell carcinoma: is cryoablation a viable option?	Michael Lee
	Percutaneous hepatic perfusion (PHP) in liver-dominant metastatic uveal melanoma: a two-center experience	Lena Becker
	Prognostic factors for survival in patients with neuroendocrine tumors after liver directed embolotherapy	Daniel Hansmeier
	The Scottish MUO score to predict short overall survival and aid decision-making in malignant ureteric obstruction	Oliver Llewellyn
	The role of intra-arterial 177 lu-dotatate therapy in the treatment of hepatic metastasis from neuroendocrine tumors	Vineel Inampudi

The outcome of different ablative treatments of renal tumor in a solitary kidney	Giuseppina Pacella
Impacts after creating an interventional radiology inpatient service in 2017 (retrospective analysis from 2014 to 2020)	Raphaël Jost

11:30-12:00 pm	<b>Visit Exhibits</b>	<b>Exhibit Hall</b>
11:30-12:00 pm	<b>Visit Educational/Scientific Posters</b>	<b>Empire West Ballroom</b>

<b>1:00-2:30pm</b>	<b>Session III: Masterclass Plugs, Flow Diverters, and Stent Grafts - Prepare your way to better outcomes</b>	<b>Metro East Ballroom</b>
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<b>Moderators: Jafar Golzarian and Sarah White</b>		
1:00-1:40	Masterclass plug demonstration	Marc Sapoval, Gary Siskin
1:40-2:30	Panel video and rapid fire discussion	Rahul Patel, Jose Urbano, Jim Benenati, Charles Ray, Osman Ahmed

<b>1:00-2:00pm</b>	<b>Hands-on Workshop: PAE</b>	<b>Lenox Ballroom</b>
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Station 1	Patient work up pre-PAE	Mark Little
Station 2	Anatomy slide review	Tiago Bilhim, Nassir Rostambeigi
Station 3	Tips and tricks for complex cases	John DeMeritt, Francisco Carnevale
Station 4	Review of catheters wires and embolics	Samdeep Mouli
Station 5	Post PAE management - medications and MX of complications	Raj Ayyagari, Nainesh Parikh

<b>1:00-2:30pm</b>	<b>Abstract Session II</b>	<b>New York East</b>
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Evaluation of transarterial radioembolization with iodine-131 lipiodol for hepatic metastases	Sunanda Nimmalapudi
Efficacy and safety of regorafenib plus ICIs with or without TACE as the second-line treatment for advanced HCC	Xuegang Yang
Increasing intra-lesional pH during trans-arterial chemoembolization of hepatocellular carcinoma: phase 1 study	Dayananada Lingegowda
Transcatheter gene delivery: towards novel imaging and treatment strategies	David McNeil
Inducing hepatocellular carcinoma in rabbits by intra-arterial injection of HEPG2 cells	Jafar Golzarian
Final results of the GPX embolic device multi-center trial for distal applications	Michael Darcy
Compared performances of augmented reality guidance versus ultrasound guidance for phantom puncture	Laetitia Saccenti

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Prospective comparison of 17 distinct detachable peripheral embolization coils from four leading manufacturers	Carter Ware
Preclinical studies using a biopsy tract sealing and fiducial device	Duncan Maitland
Initial experience with an inducible transgenic tumor model in swine	Erik Cressman

2:30-3:00pm	<b>Refreshment Break and Visit Exhibits</b>	<b>Exhibit Hall</b>
2:30-3:00pm	<b>Visit Educational/Scientific Posters</b>	<b>Empire West Ballroom</b>

3:00-4:00pm	<b>Session IV: Global Health</b>	<b>Metro East Ballroom</b>
<b>Moderators: Claire Kaufman and Gilles Soulez</b>		
3:00-3:10	Road2IR: what have we achieved since last year	Fabian Laage Gaupp
3:10-3:20	Global health - how to get involved	Nima Kokabi
3:20-3:30	Challenge in treating patients in rural areas	Gilles Soulez
3:30-3:40	Fair embo: where do we stand?	Vincent Vidal
3:40-4:00	Panel discussion	Speakers + Karim Abd El Tawab, Yasuaki Arai, Man-Deuk Kim

3:00-4:00pm	<b>Session V: Thyroid Interventions</b>	<b>Empire East Ballroom</b>
<b>Moderators: Shamar Young and Alan Sag</b>		
3:00-3:10	Surgeon's thyroid workup: decoding hormones and recommending treatment; who is surgically ineligible?	Jennifer Kuo
3:10-3:20	Intraoperative techniques for nodules and goiter including retrosternal goiter	Kepal Patel
3:20-3:30	RF ablation for benign thyroid nodules	Shamar Young
3:30-3:40	Goiter embolization	Alan Sag
3:40-3:50	Practice-building pearls for thyroid IR	Tim Huber
3:50-4:00	Panel discussion	

4:00-5:30pm	<b>Session VI: PAE</b>	<b>Metro East Ballroom</b>
<b>Moderators: Shivank Bhatia and Tiago Bilhim</b>		
4:00-4:05	Patient selection and counseling pre-PAE	Shivank Bhatia
4:05-4:10	Review of medical management	Marc Sapoval
4:10-4:15	Review of urological options	Art Rastinehad
4:15-4:20	PAE - relevant anatomy	John Demeritt
4:20-4:25	Pre-Op CTA/MRA - protocols and applications	Nuno Vasco Costa
4:25-4:30	CBCT during PAE - protocols and applications	Bernhard Meyer
4:30-4:35	Controversies	Samdeep Mouli
4:35-4:40	How to deal with non-target vessels	Timothy McClure

4:40-4:45	The embolics – how to and evidence	Karim Abd El Tawwab
4:45-4:55	Long term data: are we there yet?	Franciso Carnevale
4:55-5:00	When to say no to PAE and how to retreat	Tiago Bilhim
5:00-5:30	Panel discussion	

<b>4:00-5:30pm</b>	<b>Session VII: GI Bleed</b>	<b>Empire East Ballroom</b>
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**Moderators: Geert Maleux and Anna Maria Ierardi**

4:00-4:10	Arterial esophageal bleeding can be managed with catheter-directed embolization	Ji Hoon Shin
4:10-4:20	Does the type of embolic influence the clinical outcome of GI-bleeding?	Romaric Loffroy
4:20-4:30	Role of cone beam CT in management of GI-bleeding	Luc Defreyne
4:30-4:40	Coils, particles, or combined for hemorrhoidal bleeding management?	Vincent Vidal
4:40-4:50	Prophylactic embolization: when to provoke and when not to	Charles Kim
4:50-5:00	My worst cases - what I would do differently?	Anna Maria Ierardi
5:00-5:30	Panel discussion	

<b>4:00-5:30pm</b>	<b>Abstract Session III</b>	<b>New York East</b>
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A retrospective analysis of the tumor to normal ratio in NASH/NAFLD-induced HCC	Christopher Brunson
Liver and spleen CT volumetric analysis after selective imageable Y90 microspheres (Eye90 microspheres®) administration	Robert Abraham
Balloon occluded transarterial radioembolization: 5 years single-center experience	Flavio Andresciani
Liver transarterial radioembolization workup using outpatient right radial access: a retrospective study	Flavio Andresciani
Oncologic outcomes in patients with NASH/NAFLD-induced HCC: a retrospective comparative analysis	Christopher Brunson
Predictive dosimetry and outcomes of metastatic colorectal cancer (mCRC) after liver resin microsphere radioembolization	Patrick Doyle
Dose-response outcomes of neuroendocrine tumor liver metastases following resin microsphere radioembolization (Y90)	Patrick Doyle
Systematic review of different strategies to reduce high hepatopulmonary shunt fraction before Y-90 radioembolization	Jean Lee
Interobserver variability of tumor response after Y90 transarterial radioembolization for hepatocellular carcinoma	Shanmukha Srinivas
Metastatic sarcoma treated with transarterial radioembolization: dosing thresholds and clinical outcomes	David McNeil

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5:00-6:00pm	Research I	Empire East Ballroom
<b>Moderators: Shamar Young and Erik Cressman</b>		
5:00-5:10	Circulating DNA why and when	Tom Boeken
5:10-5:20	Per operative tumor response to ablation: how I do it	Alexandro Gasparetto
5:20-5:30	Robotic guided ablation	Lambros Tselikas
5:30-5:40	Organic embolization	Vincent Vidal
5:40-5:50	Making it register: a concept to move geniculate artery embolization forward	Osman Ahmed and Venkatesh Krishnasamy
5:50-6:00	Panel discussion	

5:00-6:00pm	Hands-on Workshop: Coils and Plugs	Lenox Ballroom
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## FRIDAY, MAY 19, 2023

8:00-9:30am	Session VIII: Masterclass IO Vascular - Master your way out of Mystery: Emulate the Masters	Metro East Ballroom
<b>Moderators: Kamran Ahrar and Daniel Brown</b>		
<b>Masterclass Demonstrators: Robert Lewandowski, Marnix Lam, Yasuaki Arai, and Sanjeeva Kalva</b>		
8:00-8:10	Radioembolization technical pearls: tips and tricks	Armeen Mahvash
8:10-8:20	Masterclass demonstration: radioembolization	
8:20-8:30	Personalized dosimetry	
8:30-8:40	Panel discussion	Katerina Malagari, Armeen Mahvash, Sarah White, Lambros Tselikas, Shiro Miyayama, Shamar Young
8:40-8:50	cTACE: optimal techniques for the best outcomes	Shiro Miyayama
8:50-9:00	How to make the best emulsion for cTACE	
9:00-9:10	DEB-TACE: optimal techniques for the best outcome	Katerina Malagari
9:10-9:20	Masterclass demonstration: DEB-TACE	
9:20-9:30	Panel discussion	Katerina Malagari, Armeen Mahvash, Sarah White, Lambros Tselikas, Shiro Miyayama, Shamar Young

9:30-10:00 am	Refreshment Break and Visit Exhibits	Exhibit Hall
9:30-10:00 am	Visit Educational/Scientific Posters	Empire West Ballroom

10:00-11:30am		Session IX: Lymphatic Interventions	Metro East Ballroom
<b>Moderators: Maxim Itkin and Jino Kim</b>			
10:00-10:10	Pathophysiology of the lymphatic diseases: anatomy vs physiology	Maxim Itkin	
10:10-10:20	The challenges of treatment of chylous ascites	Gregory Nadolski	
10:20-10:30	Techniques of thoracic duct and interstitial lymphatic embolization	Jino Kim	
10:30-10:40	TD venous junction interventions: plasty, stenting and surgical anastomosis	Julien Ghelfi	
10:40-10:50	Mesenteric and liver lymphangiography: why and when	Saebeom Hur	
10:50-11:00	Increasing role of IR in treatment of the lymphatic PLE	Deborah Rabinowitz	
11:00-11:30	Panel discussion		

10:00-11:30am		Session X: HCC	Empire East Ballroom
<b>Moderators: Robert Lewandowski and Charles Ray</b>			
10:00-10:10	BCLC: past, present, and future	Jeff Geschwind	
10:10-10:20	LIRADS: diagnosis and response assessment	Charles Ray	
10:20-10:30	Panel discussion		
10:30-10:40	Ablation for HCC: choosing a device based on evidence (when to use what: ETOH, RFA, MWA, IRE, HIFU)	Roberto Iezzi	
10:40-10:50	Chemoembolization for HCC: lipiodol or drug-eluting embolics?	Sarah White	
10:50-11:00	Radioembolization for HCC: ablative or palliative?	Marnix Lam	
11:00-11:10	Panel discussion		
11:10-11:20	Expanding treatment options (external beam radiation, hepatic artery infusion pump, histotripsy): is there enough space?	Beau Toskich	
11:10-11:30	Panel discussion		

10:00-11:30am		Abstract Session IV	New York East
	Comparison of the efficacy of embolization with imipenem/cilastatin and microspheres in chronic shoulder pain	Gremen Emeric	
	Factors affecting core needle biopsy in musculoskeletal lesions	Kunal Gala	
	Common design and data elements in genicular artery embolisation for knee osteoarthritis: interactive systematic review	Marisabel Linares Bolsegui	
	Transcatheter embolization for chronic and refractory shoulder pain: a systematic review and meta-analysis	Echoe Malone	
	Feasibility and technique of retrograde pedal access for genicular artery embolization	Abin Sajan	
	Genicular artery embolization for painful knee osteoarthritis: results of LipioJoint 1 first-in-man trial	Marc Sapoval	

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Automatic bone removal in CBCT of the body stem for 3D image guidance	Hinrich Winther
Use of ultrasound-guidance during omental biopsy: safety, technical success and factors determining outcome	Karan Anandpara
Pelvic hematoma management with indigo CAT-12 mechanical thrombectomy catheter	Merve Ozen
Twice as nice or double the trouble: single institution experience of sequential chest tubes for persistent pneumothorax	Ivan Rakic

11:30-12:00 pm	<b>Visit Exhibits</b>	<b>Exhibit Hall</b>
11:30-12:00 pm	<b>Visit Educational/Scientific Posters</b>	<b>Empire West Ballroom</b>

## 1:00-2:30pm **Session XI: Masterclass Particles, Resorbables, and Visible** **Metro East Ballroom**

**Moderators: James Spies and Theresa Caridi**

1:00-1:30	Masterclass demonstration	Marc Sapoval, Gary Siskin
1:30-2:30	Panel video and rapid fire discussion	Bernhard Meyer, Paul Lohle, Hicham Abada, Man-Deuk Kim, Jessie Stewart

## 1:00-2:00pm **Hands-on Workshop: Lymphatic** **Lenox Ballroom**

Station 1	Hands on lymph node access	Maxim Itkin
Station 2	Hands on TD access	Gregory Nadolski
Station 3	Non-traumatic chylothorax algorithm and interative cases	Saebeom Hur
Station 4	Chylous ascites algorithm and interactive cases	Deborah Rabinowitz
Station 5	Lymphocele treatment interactive cases	Jinoo Kim

## 1:00-2:30pm **Abstract Session V** **New York East**

Impact of CBCT and augmented planning on prostatic vascular anatomy identification for prostatic artery embolization	Francisco Carnevale
The effect of post-procedural steroid administration on pain following prostate artery embolization	Keith Ameyaw
Tackling the global contrast media shortage while performing prostate artery embolization	Jade Lerner
Safety and efficacy of adjunctive coil embolization after prostatic artery embolization	Nassir Rostambeigi
Organizational learning in prostatic artery embolization	Nassir Rostambeigi
Patient education on uterine fibroid embolization: a community-based survey	Aleena Dar

Uterine artery embolization for adenomyosis: Which endpoint is better for treatment effectiveness?	Yong Jin
Management of symptomatic retained products of conception by uterine artery embolization with gelatin sponge	Elliott Mathieu
The main pancreatic duct image guided percutaneous drainage – what for and how	Malkhaz Mizandari

2:30-3:00pm	<b>Refreshment Break and Visit Exhibits</b>	<b>Exhibit Hall</b>
2:30-3:00pm	<b>Visit Educational/Scientific Posters</b>	<b>Empire West Ballroom</b>

<b>3:00-4:00pm</b>	<b>Session XII: Masterclass Microcatheter and Microwires</b>	<b>Metro East Ballroom</b>
<b>Moderators: Kamel Abdel Aal and John Kaufman</b>		
3:00-3:30	Masterclass demonstration	Marc Sapoval, Gary Siskin
3:30-4:00	Panel video and rapid fire discussion	Riad Salem, Yasuaki Arai, Anne Covey, Gloria Hwang, Bulent Arslan

<b>4:00-5:30pm</b>	<b>Session XIII: MSK</b>	<b>Metro East Ballroom</b>
<b>Moderators: Mark Little and Ana Fernandez-Martinez</b>		
4:00-4:10	A glimpse in pre-clinical models	Julien Ghelfi
4:10-4:20	Which embolic for which indication	Charles Querub
4:20-4:30	Frozen shoulder: how to select the patient	Ana Fernandez-Martinez
4:30-4:40	Frozen shoulder: how I do it	Yuji Okuno
4:40-4:50	GAE: how I do it	Mark Little
4:50-5:00	Tennis elbow: how I do it	Siddharth Padia
5:00-5:30	Panel discussion	

<b>4:00-5:30pm</b>	<b>Session XIV: Primary Liver Cancer: HCC and Beyond</b>	<b>Empire East Ballroom</b>
<b>Moderators: Daniel Sze and Riad Salem</b>		
4:00-4:10	Balloon assisted intraarterial liver directed therapy: is it time to change?	Pierleone Lucatelli
4:10-4:20	Intermediate HCC (B): TACE, TARE, or systemic therapy?	Daniel Sze
4:20-4:30	Is there still a role for local therapy in advanced HCC?	Riad Salem
4:30-4:40	Advances and challenges of immunotherapy for HCC	Ghassan Abou-Alfa
4:40-4:50	Driving the immune response through image-guided cancer therapies	Rahul Sheth
4:50-5:00	Panel discussion	
5:00-5:10	Local therapies for cholangiocarcinoma	William Rilling



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5:10-5:20	Giant hemangiomas, adenomas, and FNH: what can an IR offer?	Jafar Golzarian
5:20-5:30	Panel discussion	

4:00-5:30pm	Abstract Session VI	New York East
	Lymphangiography and lymphatic interventions for protein losing enteropathy	Alexey Gurevich
	Role of embolization in acquired uterine vascular malformations: a single center study in India	Vineel Inampudi
	Quantitative MRI radiomics correlate with clinical outcomes of venous malformations after percutaneous sclerotherapy	Adham Khalil
	Percutaneous management of inoperable pancreatic cancer by image guided biliary and pancreatic duct recanalization	Malkhaz Mizandari
	Llaser lithotripsy and balloon assisted percutaneous descending litholapaxy (BAPDL) of pancreatic duct stones	Malkhaz Mizandari
	Interventional treatment of giant hepatic hemangiomas with bleomycin-lipiodol embolization (B/LE)	Eryk Mikos
	Impact of portal pressure gradient reduction on the gut microbiota in patients with liver cirrhosis: a pilot trial	David Swilling
	Emergent TIPS for acute gastroesophageal variceal bleeding in cirrhotic patients with hepatocellular carcinoma	Xiaoli Zhu
	TIPS for variceal bleeding in portal hypertension with large spontaneous portosystemic shunt	Xiaoli Zhu
	Management of chronic venous leg ulcers in the outpatient setting: single center Indian experience	Karan Anandpara

5:00-6:00pm	Research II	Empire East Ballroom
<b>Moderators: Shamar Young and Erik Cressman</b>		
5:00-5:10	Hot and cold: why do they keep talking about tumor temperatures?	Erik Cressman
5:10-5:20	Good circulation: a review of peripheral immune cells	Shamar Young
5:20-5:30	TACE plus immunotherapy doesn't make any sense...but does it work?	Nadine Abi-Jaoudeh
5:30-5:40	Ablation and immunotherapy, a match made in heaven?	Gregory Woodhead
5:40-5:50	TARE and immunotherapy, the bright and shinning future of IO?	Nima Kokabi
5:50-6:00	Panel discussion	

5:00-6:00pm	Hands-on Workshop: IO	Lenox Ballroom
Station 1	Cryoablation	Kamran Ahrar + Daniel Brown
Station 2	Microwave ablation	Gloria Hwang
Station 3	Y90	Sanjeeva Kalva + Armeen Mahvash
Station 4	Thyroid	Alan Sag
Station 5	Radiofrequency ablation	Osman Ahmed

## SATURDAY, MAY 20, 2023

### 8:30-10:00am Session XV: Masterclass Liquids and Conformables Metro East Ballroom

Moderators: Helene Kovacsik and Jafar Golzarian		
8:30-9:15	Masterclass: review and demonstration	Marc Sapoval, Gary Siskin, Jafar Golzarian
9:15-10:00	Panel video and rapid fire discussion	Marc Sapoval, Gary Siskin, Brian Funaki, Yasuaki Arai, Hicham Kobeiter, Ripal Gandhi, Romaric Loffroy

10:00-10:30 am	Refreshment Break and Visit Exhibits	Exhibit Hall
10:00-10:30 am	Visit Educational/Scientific Posters	Empire West Ballroom

### 10:30-11:45am Session XVI: Women Health: Pelvic Interventions Metro East Ballroom

Moderators: Gloria Salazar and Lindsay Machan		
10:30-10:40	Chronic pelvic pain: how is this managed by gynecologists	Laura Miquel
10:40-10:50	PeVD: how SVP terminology changed the work-up and diagnosis	Neil Khilnani
10:50-11:00	PeVD: basic and advanced embolization techniques	Amy Taylor
11:00-11:10	Investigation and treatment of venous entrapment syndromes in PeVD	Ronald Winokur
11:10-11:20	The "acquired uterine AVM": mislabeled, misunderstood, and frequently mistreated	Lindsay Machan
11:20-11:45	Uterine AVM Case and panel discussion	Speakers + Helen Kovacsik, Amy Taylor, Ronald Winokur

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10:30-11:45am	<b>Abstract Session VII: Best Scientific Abstracts &amp; Awards</b>	<b>Empire East Ballroom</b>
<b>Moderators: James Spies, Erik Cressman, and Shamar Young</b>		
	PAE versus medical Tt for BPH (PARTEM): a randomized, multicenter, open-label, phase 3, superiority trial	Marc Sapoval
	Treatment of knee osteoarthritis with genicular artery injection of mesenchymal stem cells: preliminary results	Jafar Golzarian
	Radioembolization for HCC patients with personalized Yttrium-90 dosimetry for curative intent (RAPY90D)	Armeen Mahvash
	Oncological performance of percutaneous thermal segmentectomy: multicentre retrospective results in 64 patients	Pierleone Lucatelli
	Management and outcomes of blunt splenic trauma in children: a trauma quality improvement program registry analysis	Ronnie Festok
	Technical comparison of N-Butyl-2-Cyanocrylate versus embolic particles for prostatic artery embolization (PAE) Awards	Jay Sanghvi
11:45-12:00 pm	<b>Visit Exhibits</b>	<b>Exhibit Hall</b>
11:45-12:00 pm	<b>Visit Educational/Scientific Posters</b>	<b>Empire West Ballroom</b>
1:00-2:30pm	<b>Session XVII: Masterclass Ablation</b>	<b>Metro East Ballroom</b>
<b>Moderators: Kamran Ahrar and Nishita Kothary</b>		
<b>Masterclass Demonstrators: Shamar Young, Osman Ahmed, and Donna D'Souza</b>		
1:00-1:10	Overview of ablation technologies	Raj Narayanan
1:10-2:30	Masterclass demonstration and panel discussion	Miyuki Sone, Raj Narayanan, Roberto Iezzi, Ronald Arellano, Gloria Hwang
1:00-2:30pm	<b>Hands-on Workshop: MSK</b>	<b>Lenox Ballroom</b>
Station 1	GAE anatomy: what the IR needs to know	Reza Talaie, Bedros Taslakian
Station 2	GAE interactive cases	Leigh Casadaban
Station 3	Frozen shoulder interactive session	Ana Fernandez-Martinez
Station 4	Sports injury interactive cases	Yuji Okuno
Station 5	Choices of embolics in GAE	Charles Querub
2:30-3:00pm	<b>Refreshment Break and Visit Exhibits</b>	<b>Exhibit Hall</b>
2:30-3:00pm	<b>Visit Educational/Scientific Posters</b>	<b>Empire West Ballroom</b>

<b>3:00-4:00pm</b>	<b>Session XVIII: Liquid Embolics: Liquids for the periphery are officially here...now what?</b>	<b>Metro East Ballroom</b>
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<b>Moderators: Gary Siskin and Mahmood Razavi</b>		
3:00-3:10	Why add liquids to your practice?	Aaron Fischman
3:10-3:20	Navigating the value analysis system at your institution	John Kaufman
3:20-3:30	What you need in place in order to master liquid usage in your daily work?	Gary Siskin
3:30-4:00	Case based panel discussion	Speakers, Marc Sapoval, Bulent Arslan, Romaric Loffroy

<b>4:00-5:30pm</b>	<b>Session XIX: Portal Interventions</b>	<b>Metro East Ballroom</b>
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<b>Moderators: John Kaufman and Wael Saad</b>		
4:00-4:10	Racial disparities in portal vein interventions	Premal Trivedi
4:10-4:20	RTO: which option for which patients?	Wael Saad
4:20-4:30	How to be successful with TIPS all (well almost) the time?	Prashant Shrestha
4:30-4:40	Acute meso-portal vein thrombosis: when to intervene and how	Rakesh Varma
4:40-4:50	Chronic meso-portal vein occlusion: don't run away, run towards this!	Brian Funaki
4:50-4:55	Triumph or Tragedy Case # 1: tips	Marc Lim
4:55-5:00	Triumph or Tragedy Case # 2: #rto	Hyun-Ki Yoon
5:00-5:30	Panel discussion	

<b>4:00-5:30pm</b>	<b>Session XX: Renal Interventions: IO and Non-IO</b>	<b>Empire East Ballroom</b>
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<b>Moderators: Miyuki Sone and Olivier Pellerin</b>		
4:00-4:05	Hot or cold? Pros and cons of RFA	Kamran Ahrar
4:05-4:10	Hot or cold? Pros and cons of MWA	Nadine Abi-Jaoudeh
4:10-4:15	Hot or cold? Pros and cons of cryoablation	Debra Gervais
4:15-4:20	Panel discussion	
4:20-4:30	Adjunct interventions to make ablation safer	Miyuki Sone
4:30-4:40	Dealing with cryoprobe: optimal size, number, and configuration	Uei Pua
4:40-4:50	Case discussion of complex renal embolization: trauma and iatrogenic injury	Masato Yamaguchi
4:50-5:00	Case discussion of complex renal embolization: benign and malignant masses	John Fritz Angle
5:00-5:10	New technologies: radial access, navigation, and angio-CT	
5:10-5:30	Panel discussion	

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4:00-5:30pm	Abstract Session VIII	New York East
	Angiographic analysis of 242 hemorrhoid artery embolizations: a novel clinically relevant classification system	Abin Sajan
	Bariatric arterial embolization using novel 100-200µm radiopaque microspheres	Adham Khalil
	Pivotal, prospective multicenter US study of lava, a liquid embolic agent used to treat peripheral arterial hemorrhage	Bulent Arslan
	Major splenic infarction after splenic artery embolization for blunt splenic injury: clinical outcomes and risk factors	Ketan Dayma
	Obsidio conformable embolic: first-in-human clinical study	Rahmi Oklu
	Cirrhotics undergoing splenic artery embolization for traumatic injury: does embolic choice matter?	Salil Kalarn
	Superior and middle rectal arteries embolization with coils and microspheres to treat symptomatic hemorrhoidal disease	Francisco Carnevale
	Preoperative ischemic conditioning: another approach of embolization	Julien Ghelfi
	The safety and efficacy of Irinotecan-loaded BACE for the treatment of unresectable or advanced small lung cancer	Jinpeng Li

5:00-6:00pm	Hands-on Workshop: Liquids and Conformables	Lenox Ballroom
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## SUNDAY, MAY 21, 2023

8:30-10:00am	Session XXI: Visceral Aneurysms and Endoleaks	Metro East Ballroom
<b>Moderators: Hicham Kobeiter and Rob Morgan</b>		
8:30-8:40	Management of true pancreaticoduodenal aneurysms: different to other visceral aneurysms?	Scott Trerotola
8:40-8:50	True hepatic artery aneurysms can be treated by coil embolization	Geert Maleux
8:50-9:00	Material selections when dealing with splenic visceral aneurysms	Jacob Cynamon
9:00-9:10	Pre-emptive inferior mesenteric artery embolization during EVAR	Robert Lookstein
9:10-9:20	Transcatheter, translumbar, or transcaval approach for type II endoleak embolization	Robert Morgan
9:20-9:30	Prognostic factors for better outcome after type II endoleak embolization	Yukihisa Ogawa
9:30-10:00	Panel discussion	

<b>8:30-10:00am</b>	<b>Session XXII: Vascular Malformations</b>	<b>Empire East Ballroom</b>
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**Moderators: Gilles Soulez and Shellie Josephs**

8:30-8:40	Low flow vascular malformations: bleomycin electro sclerotherapy (BEST): a new kid on the block	Ian McCafferty
8:40-8:50	How to maximize ultrasound guidance during sclerotherapy/embolization of high and low flow vascular malformations	Mohammad Badran
8:50-9:00	Vascular malformations when and how I will use drug therapy in combination or not with interventional therapies	Shellie Josephs
9:00-9:10	Vascular tumors: embolization, drug therapy, or surgery	Gilles Soulez
9:10-9:20	AVMs embolization how to use ethanol and walk on the safe side	Gilles Soulez
9:20-9:30	AVMs embolization how to use glue or onyx and avoid recurrence	Siobhan Flanagan
9:30-9:40	IR should perform surgical techniques like venous ligation or stripping	Ahmad Alomari
9:40-10:00	Panel discussion	

<b>10:00-10:30am</b>	<b>Refreshment Break</b>	<b>Metropolitan Foyer</b>
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<b>10:00-10:30am</b>	<b>Visit Educational/Scientific Posters</b>	<b>Empire West Ballroom</b>
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<b>10:30am-12:00pm</b>	<b>Session XXIII: More Women and Men Interventions</b>	<b>Metro East Ballroom</b>
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**Moderators: Gloria Salazar and Lindsay Machan**

10:30-10:40	Clinical assessment and scrotal ultrasound before and after embolization	Tim McClure
10:40-10:50	Varicocele treatment: basic and advanced embolization techniques	Jose Urbano
10:50-11:00	How to build a varicocele embolization practice, even when your urologists think surgery is better	Ahmed Abdel Aal
11:00-11:10	Choice of embolic agent for male and female gonadal vein embolization; are there scenarios where specific embolics have better outcomes?	Theresa Caridi
11:10-11:20	Differentiating pelvic AAVM's, VVM's, and varicosities	Kirema Garcia Reyes
11:20-11:30	The role of pelvic venous embolization in the management of lower extremity varicosities	Gloria Salazar
11:30-11:40	Working closely with infertility clinics can markedly enhance your interventional practice	Lindsay Machan
11:40-12:00	Case based panel discussion	

# PROGRAM SCHEDULE

10:30am-12:00pm <b>Session XXIV: Liver Mets</b>		<b>Empire East Ballroom</b>
<b>Moderators: Daniel Sze and Nadine Abi Jaoudeh</b>		
10:30-10:40	Oligometastatic mCRC: ablation vs. resection	Kelvin Hong
10:40-10:50	Hepatic artery infusion pumps: shiny new toy or here for good?	Lambros Tselikas
10:50-11:00	Radioembolization for mCRC, now that the prospective randomized trials have been published	Daniel Brown
11:00-11:10	Panel discussion	
11:10-11:20	Liver dominant mNET: when to advocate for embolotherapy (vs. PRRT)	Sarah White
11:20-11:30	FLR hypertrophy: PVE, LVD, Y90	Boris Guiu
11:30-11:40	Panel discussion	
11:40-11:50	What other cancers should we be targeting?	Sanjeeva Kalva
11:50-12:00	Panel discussion	

# PHYSICIANS-IN-TRAINING PROGRAM SCHEDULE

## WEDNESDAY, MAY 17, 2023

6:00-8:00 PM	<b>Physicians in Training: Event Sponsored by Penumbra</b>	<b>New York West</b>
<p><b>Speakers:</b> Sarah White, Osman Ahmed, and Vincent Gallo  <b>Advancing Your Embolization Skills With Mechanical Occlusion</b>  Join us for an evening of case presentations and hands-on embolization skills competition.</p>		

## THURSDAY, MAY 18, 2023

7:00-7:57am	<b>Physicians in Training I: Intro to Trainee Program &amp; Case Competition I</b>	<b>Empire East Ballroom</b>
7:00-7:15	Intro to trainee program	
7:15-7:22	Balloon slippage and stent dislodgement during pre-mounted balloon expandable stent placement for renal artery stenosis	Karan Anandpara
7:22-7:29	Subclavian artery stenting for coronary subclavian steal syndrome	Karan Anandpara
7:29-7:36	Lymphangiogram and thoracic duct embolization	David Leon
7:36-7:43	Unexpected malignancy - resection of a large thoracic solitary fibrous tumor with preoperative arterial embolization	Marcin Czezelewski
7:43-7:50	Coil embolization of an aneurysmal ductus diverticulum	Vikram Gupta
7:50-7:57	Transarterial radioembolization of a large hepatic hemangioma	Vikram Gupta
6:00-8:00 PM	<b>Physicians in Training: Event Sponsored by Boston Scientific</b>	<b>New York East</b>

## FRIDAY, MAY 19, 2023

7:00-7:56am	<b>Physicians in Training II: Case Competition II</b>	<b>Empire East Ballroom</b>
7:00-7:07	Partial occlusion of an acquired portosystemic shunt - a novel technique	Siddhi Hegde
7:07-7:14	Rare case of embolization of gastric collaterals secondary to splenic hypoplasia or thrombotic occlusion	Siddhi Hegde
7:14-7:21	Complex IVC reconstruction & embolization of the visceral AVMs	Oleksandra Kutsenko
7:21-7:29	Endovascular repair for type 1A endoleak-last resort	Raghuram Posham
7:28-7:35	Hypervascular vertebral tumor: fill it and close the front door before surgery	Amin Mahsouli
7:35-7:42	Imaging and embolization in workup of hematochezia secondary to acute Meckel's diverticular hemorrhage	Chitani Mbewe



# PHYSICIANS-IN-TRAINING PROGRAM SCHEDULE

7:42-7:49	Percutaneous closure of a congenital intrahepatic portosystemic shunt using a novel technique	Jineesh Valakkada
7:49-7:56	A case of cerebral cavernous malformation of the fourth cranial nerve	Jessica Zhou

## 3:00-4:00pm Physicians in Training III: What to do When Something Goes Wrong Empire East Ballroom

**Moderators: Keith Quencer and Merve Ozen**

3:00-3:10	How to talk to a patient's family when something goes wrong	Claire Kaufman
3:10-3:20	Malpractice	Mikhail Higgins
3:20-3:30	Quality improvement	Keith Quencer
3:30-3:40	My worst day in the IR suite	Merve Ozen
3:40-3:50	What I have learned over the years when something goes wrong	Jim Benenati
3:50-4:00	Panel Discussion	

## 6:00-8:00 PM Physicians in Training: Event Sponsored by Cook Medical New York West

**Moderators:** Seetharam Chadalavada and Kirema Garcia-Reyes

### ***Fun, Facts and Facedowns***

Calling all Physicians in Training, join us for a fun filled Friday night in New York.

**Big Brain Busters:** Do you have what it takes to win the Trivia challenge? All audience can participate!

**Product Stations:** Navigate your way through the stations discovering the Cook medical products

**#EmboWars Finale\*:** See who makes it to the top of the leaderboard to wear the #EmboWars crown

\* Physicians-in-training – please visit the Cook Medical booth during the day Thursday and Friday to get on the leaderboard!

## SATURDAY, MAY 20, 2023

## 3:00-4:00pm Physicians in Training IV: What I Wish I'd Known My First Year Out and Conclusion Empire East Ballroom

**Moderator: Amy Taylor and Paul Rochon**

3:00-3:10	Looking back - what I wish I'd learned as a trainee	Reza Talaie
3:10-3:20	Work life balance	Amy Taylor
3:20-3:30	Diversity in IR	Paul Rochon
3:30-3:40	Setting yourself up for success: academics	Ed Kim
3:40-3:50	Setting yourself up for success: private practice	Preston Eiswirth
3:50-4:00	Building bridges - get those referrals	Nariman Nezami

# INDUSTRY PRESENTATIONS

## THURSDAY, MAY 18, 2023

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

*The future of Emergent Embolization: Coils and a conformable Embolic*

IRs, as the masters for Coil Embolization, Why, how and when to add the newest, the 1st FDA approved conformable embolic into your current Emergent Embolization practice to advance the clinical outcome and optimize the procedural techniques.

**Moderator:** Gary Siskin

**Speakers:** Rahul Patel, Nima Kokabi, Dania Daye

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

*Building a Lymphography Practice*

**Speakers:**

Maxim Itkin - Why I built a lymphography practice

Kumar Madassery - How I built a lymphography practice

Julien Ghelfi - The national network for lymphangiography

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

*The Shift from Thrombus Dependent to Mechanical Occlusion for Embolization*

Join leading faculty panelists as they discuss the evolution of embolization. Learn how Penumbra is moving the field of embolization forward in this case-based discussion with clinical evidence.

**Speakers:** Sabina Amin, Jafar Goltzarian, Parag Patel

### 2:40-2:55 pm GEST Talk Sponsored by Merit Medical Exhibit Hall, 2nd Floor

*Swift Decision Making: When SwiftNINJA® Should Be Used to Overcome Tricky Procedures*

Find how using SwiftNINJA first will simply and shorten challenging PAE procedures.

**Speaker:** Mark Little

## FRIDAY, MAY 19, 2023

### 9:40-9:55 am GEST Talk Sponsored by BALT Exhibit Hall, 2nd Floor

*All-Purpose Precision Embolization System*

Product Demonstration and Clinical Experience with Balt's Prestige Plus Coil System

**Speaker:** Bill Majdalany

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

*Transforming the Embolotherapy practice with a novel conformable embolic: US clinical experience insights*

The first U.S. clinical experience with the novel conformable embolic Obsidio. Learning from the Pioneers on how the most innovative technology transforms the embolotherapy practice.

**Moderator:** Jafar Goltzarian

**Speakers:** Rahmi Oklu, Kevin Henseler, Sid Padia

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

*Transforming Global Patient Care Using Angio-CT*

Attendees will have the opportunity to meet the pioneer of hybrid Angio-CT (4D CT), and two other world-renowned experts in interventional radiology. They will gain exclusive insights into the unique and novel uses of hybrid 4D CT in Interventional Radiology and Interventional Oncology.

**Speakers:** Boris Guiu, Yasuaki Arai, Nainesh Parikh

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

*Focus on HHT Patients: Achieving Success in Pulmonary AVM Embolization*

Hereditary Hemorrhagic Telangiectasia (HHT) is a complex, genetic systemic disease that is associated with a high incidence of Pulmonary Arteriovenous Malformations (PAVMs). Interventional Radiologists and their Allied Health Professional colleagues play a crucial role in the work-up, diagnosis, and treatment of HHT patients. This educational program will discuss the clinical presentation of HHT and the incidence of PAVMs and provide an overview of PAVM treatment guidelines, procedural techniques and data related to PAVM treatment. This program will also highlight challenging cases to showcase treatment with coils and microvascular plugs.

**Moderator:** Clifford Weiss

**Speakers:** Sanjeeva Kalva, Claire Kaufman

### 2:40-2:55 pm GEST Talk Sponsored by Terumo Exhibit Hall, 2nd floor

*The Pulse of Modern Embolization – Latest Clinical Evidence on Radial Access*

- In-depth review of the latest prospective, multi-center study on radial access for visceral embolization procedures
- Learn how to apply radial access in your practice to improve efficiencies and patient satisfaction

**Speaker:** Marcelo Guimaraes

# INDUSTRY PRESENTATIONS

## SATURDAY, MAY 20, 2023

### 7:30-8:30 am Breakfast Session Sponsored by Boston Scientific

#### Empire East, 2nd Floor

*Modern IR: The breadth and varied experiences of Women in IR*

**Moderator:** Alexa Da Silva

**Panelists:** Kirema Garcia Reyes, Leigh Casadaban, Yolanda Bryce

### 10:10-10:25 am GEST Talk Sponsored by Philips Healthcare

#### Exhibit Hall, 2nd Floor

*Navigating confidently through complex anatomy in PAE*

How can cone-beam CT imaging support you in performing prostate artery embolization? Join Philips at our lunch talk to learn how expert Prof. Sapoval uses image guided therapy platform – Azurion, to support him in confident planning and treatment decisions with minimal X-ray dose and a clear visualization of the vasculature. Visit Philips at booth 403, where we will be demonstrating our latest imaging technology. We look forward to connecting with you!

**Speaker:** Marc Sapoval

### Lunch Session Sponsored by Sirtex

#### Empire East, 2nd Floor

*Y-90 Dose Dynamics: Optimizing Activity and Coverage of Resin Microspheres*

**Speaker:** Donna D'Souza

### Lunch Session Sponsored by Cook

#### New York West, 3rd Floor

*Best Practices in Pelvic Venous Disorders*

Join our esteemed panel for an interactive debate discovering best practices in Pelvic Venous Disorders. The session will guide the audience through clinical evaluation and classification, which imaging modalities to use and how you decide to treat. You will hear about the management of patients with combined reflux and obstruction and the role of venous stenting. The panel will discuss embolic material selection and patient follow up, and with evolving OBL practice uncover how Pelvic Venous Disorders can align within this setting. We look forward to welcoming you to this informative session.

**Moderator:** Seetharam Chadalavada

**Speakers:** Neil Khilnani, Kirema Garcia-Reyes, Sarah White

### Lunch Session Sponsored by Gore

#### New York East, 3rd Floor

*Rethinking TIPS: Continuing to learn across disciplines to support patient outcomes*

Patients with portal hypertension are complex. Hear from an Interventional Radiologist and a Transplant Hepatologist about their experiences in managing patients with TIPS, considerations for patients with hepatic encephalopathy, and what we can further explore to improve the multidisciplinary approach to care for TIPS patients.

**Speakers:** Wael Saad, Brett Fortune

### 6:00-7:30 pm Women in IR Networking Reception

#### Sponsored by GE HealthCare

#### New York West, 3rd Floor