



17TH ANNUAL

GEST 2023

GLOBAL
EMBOLIZATION
ONCOLOGY
SYMPOSIUM
TECHNOLOGIES

PROGRAM SCHEDULE

THURSDAY, MAY 18, 2023

7:00-7:55am	Physicians in Training I: Intro to Trainee Program & Case Competition I	Empire East Ballroom
Judges:		

8:00-9:30am	Session I: Masterclass Coils – Lecture + Demo	Metro East Ballroom
Moderators: Jafar Golzarian and Vivian Bishay		
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, Niall McEniff

10:00-11:30am	Session II: Awards, Vanguard	Metro East Ballroom
Moderators: Jafar Golzarian, Marc Sapoval, and Nishita Kothary		
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	Q&A	
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	Q&A	
11:00-11:25	The destiny of Interventional Radiology: innovate or perish!	Gilles Soulez
11:25-11:30	Award	

10:00-11:30am	Abstract Session I	New York East
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1:00-2:30pm	Session III: Masterclass Plugs, Flow diverters and stentgrafts – Lecture + Demo	Metro East Ballroom
Moderators: Jafar Golzarian and Sarah White		
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

1:00-2:00pm	Hands-on Workshop: PAE	Empire West Ballroom
Moderators: Claire Kaufman & Gilles Soulez		
Station 1	Patient Work Up Pre-PAE	Mark Little, Nassir Rostambeigi
Station 2	Anatomy Slide Review	Tiago Bilhim
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

1:00-2:30pm	Abstract Session II	New York East
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3:00-4:00pm	Session IV: Global Health	Metro East Ballroom
Moderators: Claire Kaufman		
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 and Q&A	Yasuaki Arai, Man-Deuk Kim, Karim Abd El Tawwab

3:00-4:00pm	Session V: Thyroid Interventions	Empire East Ballroom
Moderators: Shamar Young and Alan Sag		
3:00-3:10	Endocrinology of thyroid nodules/goiter: What an IR needs to know	Steven Hodak
3:10-3:20	Surgical Approach to Thyroid Nodules/Goiter	Jennifer Kuo
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	TBC
3:50-4:00	Panel Discussion	

4:00-5:30pm	Session VI: PAE	Metro East Ballroom
Moderators: Shivank Bhatia and Tiago Bilhim		
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	Tim 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	

4:00-5:30pm	Session VII: GI Bleed	Empire East Ballroom
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 Y. Kim
4:50-5:00	My Worst Cases - What I Would Do Differently?	Anna Maria Ierardi
5:00-5:30	Panel Discussion	

4:00-5:30pm	Abstract Session III	New York East
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5:00-6:00pm	Research I	Empire East Ballroom
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5:00-6:00pm	Hands-on Workshop: Coils/Plug	Empire West Ballroom
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FRIDAY, MAY 19, 2023

7:00-7:55am	Physicians in Training II: Case Competition II	Empire East Ballroom
Judges:		

8:00-9:30am	Session VIII: Masterclass IO Vascular - Master your way out of Mystery Emulate the Masters – Lecture + Demo	Metro East Ballroom
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Moderators: Kamran Ahrar and Daniel Brown

Masterclass Demonstrators: Robert Lewandowski, Marnix Lam, Yasuaki Arai, and Sanjeeva Kalva

8:00-8:10	Overview of Radioembolization	Armeen Mahvash
8:10-8:20	Show and Tell: Radioembolization Devices	
8:20-8:30	Dosimetry (video or software demo)	
8:30-8:40	Panel Discussion	Katerina Malagari, Armeen Mahvash, Sarah White, Lambros Tselikas, Shiro Miyayama
8:40-8:50	Overview of cTACE	Shiro Miyayama
8:50-9:00	Show and Tell: emulsion creation, Victoria device, others	
9:00-9:10	Overview of DEB-TACE	
9:10-9:20	Show and Tell: particles, mixing, administration	
9:20-9:30	Panel Discussion	Katerina Malagari, Armeen Mahvash, Sarah White, Lambros Tselikas, Shiro Miyayama

10:00-11:30am	Session IX: Lymphatic Interventions	Metro East Ballroom
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Moderators: Maxim Itkin and Jinoo Kim

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	Jinoo 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 and Audience Questions	

10:00-11:30am	Session X: Primary Liver cancer: HCC	Empire East Ballroom
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Moderators: Robert Lewandowski

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	Speakers + TBC
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?	TBC

10:50-11:00	Radioembolization for HCC: Ablative or Palliative?	Marnix Lam
11:00-11:10	Panel Discussion	Speakers + TBC
11:10-11:20	Expanding Treatment Options (External Beam Radiation, Hepatic Artery Infusion pump, Histotripsy): is there enough space?	TBC
11:10-11:30	Panel Discussion	Speakers + TBC

10:00-11:30am Abstract Session IV New York East

1:00-2:30pm Session XI: Masterclass Particles, Resorbables 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, Jessica Stewart, Paul Lohle, Hicham Abada, Man-Deuk Kim

1:00-2:00pm Hands-on Workshop: Lymphatic Empire West 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 interactive 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

3:00-4:00pm Session XII: Masterclass: Microcatheter and Microwires Metro East Ballroom

Moderators: Kamel Abdel Aal and John Kaufman

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

3:00-3:50pm 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	Clare 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

4:00-5:30pm	Session XIII: MSK	Metro East Ballroom
Moderators: Mark Little and Ana Fernandez-Martinez		
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 and Q&A	

4:00-5:30pm	Session XIV: Primary Liver Cancer: HCC and Beyond	Empire East Ballroom
Moderators: TBC		
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	TBC
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
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
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5:00-6:00pm	Research II	Empire East Ballroom
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5:00-6:00pm	Hands-on Workshop: IO	Empire West Ballroom
Station 1	Cryoablation	Kamran Ahrar
Station 2	Microwave Ablation	
Station 3	Y90	Sanjeeva Kalva
Station 4	Thyroid	Shamar Young
Station 5	Radiofrequency Ablation	Osman Ahmed

SATURDAY, MAY 20, 2023

8:30-10:00am Session XV: Liquid – Masterclass Lecture + Demo 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	Brian Funaki, Helene Kovacsik, Yasuaki Arai, Hicham Kobeiter, Ripal Gandhi, Romaric Loffroy
10:30-11:45am Session XVI: Women health: Pelvic Venous 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, Sang Yeob Lee, Gloria Salazar
10:30-11:45am Abstract Session VII: Best Scientific Abstracts & Awards Empire East Ballroom		
Moderators: James Spies, Erik Cressman, and Shamar Young		
1:00-2:30pm Session XVII: Masterclass Ablation Choices - Are we done yet Metro East Ballroom		
Moderators: Kamran Ahrar and Nishita Kothary		
Masterclass Demonstrators: Shamar Young, Osman Ahmed, and Donna D’Souza		
1:00-1:10	Overview of Ablation Technologies	Raj Narayanan
1:10-1:20	Cryoablation: Show and tell devices	
1:20-1:30	Panel Discussion: applications. lung, kidney, bone, liver, others	Miyuki Sone, Raj Narayanan, Roberto Iezzi, Ron Arellano
1:30-1:40	Microwave ablation: Show and tell devices	
1:40-1:50	Case Based Panel Discussion	Miyuki Sone, Raj Narayanan, Roberto Iezzi, Ron Arellano
1:50-2:00	Radiofrequency Ablation: Show and tell devices, including thyroid ablation devices	
2:00-2:10	Needles for better chemical ablation, IRE (new devices)	
2:10-2:30	Case Based Panel Discussion	Miyuki Sone, Raj Narayanan, Roberto Iezzi, Ron Arellano

1:00-2:30pm	Hands-on Workshop: MSK	Empire West Ballroom
Session Organizers: Mark Little and Siddharth Padia		
Station 1	GAE Anatomy: What the IR Needs to Know	Reza Talaie, Bedros Taslakian
Station 2	GAE Interactive Cases	Lars Lonn, Leigh Casadaban
Station 3	Frozen Shoulder Interactive Session	Ana Fernandez-Martinez
Station 4	Sport Injury Interactive Cases	Yuji Okuno
Station 5	Choices of Embolics in GAE	Charles Querub

3:00-4:00pm	Session XVIII: Liquid Embolics: Alone or in combination: Video based panel discussion	Metro East Ballroom
Moderators: Gary Siskin and Mahmood Razavi		
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

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	TBC
3:50-4:00	Building Bridges - Get those referrals	Nariman Nezami

4:00-5:30pm	Session XIX: Portal Interventions	Metro East Ballroom
Moderators: John Kaufman and Wael Saad		
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!	TBC
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	

4:00-5:30pm	Session XX: Renal Intervention: IO and Non-IO	Empire East Ballroom
Moderators: Miyuki Sone and Olivier Pellerin		
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	TBC
5:10-5:30	Panel Discussion and Q&A	

4:00-5:30pm	Abstract Session VIII	New York East
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5:00-6:00pm	Hands-on Workshop: Liquid	Empire West Ballroom
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SUNDAY, MAY 21, 2023

8:30-10:00am	Session XXI: Visceral Aneurysms and Endoleaks	Metro East Ballroom
Moderators: Jim Benenati and Rob Morgan		
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	

8:30-10:00am Session XXII: Vascular Malformations		Empire East Ballroom
Moderators: Gilles Soulez and Shellie Joseph		
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 Joseph
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	

10:30am-12:00pm Session XXIII: More Venous Interventions		Metro East Ballroom
Moderators: Gloria Salazar and Lindsay Machan		
10:30-10:40	Clinical assessment and scrotal ultrasound before and after embolization	Tim McLure
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	

10:30am-12:00pm Session XXIV: Liver mets		Empire East Ballroom
Moderators: Daniel Sze and Nadine Abi Jaoudeh		
10:30-10:40	Oligometastatic mCRC: Ablation vs. Resection	TBC
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 (Questions TBD)	
11:40-11:50	What other cancers should we be targeting?	TBC
11:50-12:00	Panel Discussion	