VASCULAR AND/OR INTERVENTIONAL RADIOLOGY

104th Scientific Assembly and Annual Meeting
Radiological Society of North America
McCormick Place, Chicago

November 25–30
Meeting.RSNA.org #RSNA18
Accreditation and Designation Statements

The Radiological Society of North America (RSNA®) is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

The RSNA designates this live activity for a maximum of 99.25 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

The Commission on Accreditation of Medical Physics Education Program (CAMPEP) has approved the direct transfer of AMA PRA Category 1 Credit™ to MPCEC on a credit-for-credit basis for medical physicists.

Corporate Symposium

Please refer to each course description in the online program to determine if CME credit is offered for the session. Instructions on claiming credit will be provided during the course. CME credit for the Corporate Symposiums will be provided through a third party provider and not through RSNA.

Program information is subject to change. For the most up-to-date information, please use your Meeting App or visit Meeting.RSNA.org.
Walk Through The Week

CME Learning Checkpoint
CME Learning Checkpoint Exhibit ED028 (Long-Term Complications of Renal Transplants: Interventional Management Techniques)
Session ED028 . . . CME Learning Checkpoint Community

SUNDAY, NOV 25, 2018
Case of the Day
Interventional Radiology Sunday Case of the Day
Session ED007-SU . . . . . . Case of Day, Learning Center

10:45 AM–12:15 PM
Scientific Papers Sessions
Vascular Interventional (Aortic and PAD)
Session SSA24 . . . . . . . . . . . . . . . . . . . . . . . . . S502AB
Vascular Interventional (Chemo-Embolization and Radio-Embolization)
Session SSA25 . . . . . . . . . . . . . . . . . . . . . . . . . S503AB

12:30–1:00 PM
Posters and Exhibits: Discussions
Vascular Interventional Sunday Poster Discussions
Session VIS-SUA . . . . . VI Community, Learning Center

1:00–1:30 PM
Posters and Exhibits: Discussions
Vascular Interventional Sunday Poster Discussions
Session VIS-SUB . . . . . VI Community, Learning Center

1:30–6:00 PM
Educational Courses
Interventional Oncology Series: Lung, Kidney and Bone
Course VSIO11 . . . . . . . . . . . . . . . . . . . . . . . . . S405AB

2:00–3:30 PM
Educational Courses
Update on Radionuclide Therapies
Course RC111 . . . . . . . . . . . . . . . . . . . . . . . . . S505AB
CTA for TAVR and Other Aortic Valve Replacements
Course RC112 . . . . . . . . . . . . . . . . . . . . . . . . . N230B
Interventional Course (Interactive Session)
Course RC114 . . . . . . . . . . . . . . . . . . . . . . . . . S403A
CTA from Head to Toe
Course RC131 . . . . . . . . . . . . . . . . . . . . . . . . . S503AB
4:00–5:45 PM  
Plenary Sessions  
Sunday Afternoon Plenary Session  
Session PS12 . . . . . . . . . . . . . . . . . . Arie Crown Theater

MONDAY, NOV 26, 2018  
Case of the Day  
Interventional Radiology Monday Case of the Day  
Session ED007-MO. . . . . . . Case of Day, Learning Center

8:30–10:00 AM
Educational Courses  
Evolving Imaging Methods for the Cancer Patient - Part 1 (Interactive Session)  
Course MSAS21 . . . . . . . . . . . . . . . . . . S105AB  
MR Angiography: 2018 Update  
Course RC212 . . . . . . . . . . . . . . . . . . . . . . E352  
Advances in CT: Technologies, Applications, Operations-Special Purpose CT  
Course RC221 . . . . . . . . . . . . . . . . . . . . . S102CD  
Targeted Treatment and Imaging of Liver Cancers: Basic to Advanced Techniques in Minimally-Invasive Therapies and Imaging  
Course RC250. . . . . . . . . . . . . . . . . . . . . . E261  
Carotid and Renal Doppler (Hands-on)  
Course RC252. . . . . . . . . . . . . . . . . . . . . . E264

8:30 AM–12:00 PM  
Educational Courses  
Interventional Series: Embolotherapy  
Course RC214 . . . . . . . . . . . . . . . . . . . . . . E350

10:30 AM–12:00 PM  
Educational Courses  
Australia and New Zealand Present: Clinical Radiology and Radiation Oncology  
Session SPCP21 . . . . . . . . . . . . . . . . . . . . . . E351

10:30 AM–12:00 PM  
Scientific Papers Sessions  
Emergency Radiology (Thoracic, Cardiac and Vascular)  
Session SSC04 . . . . . . . . . . . . . . . . . . . . . . S504AB  
Vascular Interventional (Prostate and Uterine Embolization)  
Session SSC15 . . . . . . . . . . . . . . . . . . . . . . E352
12:15–12:45 PM
Posters and Exhibits: Discussions
Vascular Interventional Monday Poster Discussions
Session VIS-MOA . . . . . VI Community, Learning Center

12:45–1:15 PM
Posters and Exhibits: Discussions
Vascular Interventional Monday Poster Discussions
Session VIS-MOB . . . . . VI Community, Learning Center

1:30–6:00 PM
Educational Courses
Interventional Oncology Series: HCC and Cholangiocarcinoma
Course VS1O21 . . . . . . . . . . . . . . . . . . . . . S406B

3:00–4:00 PM
Scientific Papers Sessions
Vascular Interventional (Education)
Session SSE26 . . . . . . . . . . . . . . . . . . . S104A

TUESDAY, NOV 27, 2018

Case of the Day
Interventional Radiology Tuesday Case of the Day
Session ED007-TU . . . . . . . . . . . . . . . Case of Day, Learning Center

8:30–10:00 AM
Educational Courses
Pulmonary Vascular Imaging
Course RC301 . . . . . . . . . . . . . . . . . . . S104B

Tumor Ablation Beyond the Liver: Practical Techniques for Success
Course RC331 . . . . . . . . . . . . . . . . . . . S404AB

Live Ultrasound Interventional Procedures: Thermal Ablation, Cyst Aspiration, Abscess Drainage, Vascular Access, Core Biopsy, Foreign Body Removal (Hands-on)
Course RC352 . . . . . . . . . . . . . . . . . . . E264

8:30 AM–12:00 PM
Educational Courses
Vascular Series: CT Angiography: New Techniques and Their Application
Course RC312 . . . . . . . . . . . . . . . . . . . S502AB

Interventional Series: Venous Disease
Course RC314 . . . . . . . . . . . . . . . . . . . E352
10:30 AM–12:00 PM
Scientific Papers Sessions
Cardiac (Coronary Atherosclerosis)
Session SSG02 . . . . . . . . . . . . . . . . . . . . . . . . . . . . S104B

12:15–12:45 PM
Posters and Exhibits: Discussions
Vascular Interventional Tuesday Poster Discussions
Session VIS-TUA. . . . . VI Community, Learning Center

12:45–1:15 PM
Posters and Exhibits: Discussions
Vascular Interventional Tuesday Poster Discussions
Session VIS-TUB. . . . . VI Community, Learning Center

1:30–6:00 PM
Educational Courses
Interventional Oncology Series: Basic Science and Imaging
Course VSIO31 . . . . . . . . . . . . . . . . . . . . . . . . . . S405AB

2:00–3:30 PM
Corporate Symposium
Ultrasound Enhancing Agent Use in the Clinical Setting: An Up-to-date Overview for Your Clinical Practice: Presented by Northwest Imaging Forums, educational grant provided by Bracco Diagnostics, Inc.
Session CS36 . . . . . . . . . . . . . . . . . . . . . . . . . S105D

3:00–4:00 PM
Scientific Papers Sessions
Vascular Interventional (Dialysis and Venous Intervention (Including IO))
Session SSJ25 . . . . . . . . . . . . . . . . . . . . . . . . . . . S503AB
Vascular Interventional (Spine and Bone Intervention)
Session SSJ26 . . . . . . . . . . . . . . . . . . . . . . . . . . . S502AB

4:30–6:00 PM
Educational Courses
Emergency Ultrasound Pitfalls
Course RC408. . . . . . . . . . . . . . . . . . . . . . . . S102CD
Peripheral Artery Disease: CTA and MRA
Course RC412 . . . . . . . . . . . . . . . . . . . . . . . . N230B
Morbidity and Mortality
Course RC414 . . . . . . . . . . . . . . . . . . . . . . . . E353A
Making Patients and Staff Safer in Interventional Procedures
Course RC423 . . . . . . . . . . . . . . . . . . . . . . . . S403A
The New Standard of Care of Large Vessel Stroke is Endovascular: Is Your Radiology Practice Ready?
Course RC431 . . . . . . . . . . . . . . . . . . . . . . . . S103CD
WEDNESDAY, NOV 28, 2018

Case of the Day
Interventional Radiology Wednesday Case of the Day
Session ED007-WE . . . . . . . . . . . . Case of Day, Learning Center
8:30–10:00 AM
Educational Courses
Case-based Review of Pediatric Radiology (Interactive Session)
Course MSCP41 . . . . . . . . . . . . E450B
Optimization and Technology in Interventional Radiology
Course RC523 . . . . . . . . . . . . S403B
Vertebral Augmentation (Hands-on)
Course RC550 . . . . . . . . . . . . E260

8:30 AM–12:00 PM
Educational Courses
Course RC512 . . . . . . . . . . . . S503AB
Interventional Series: Peripheral and Visceral Occlusive Disease
Course RC514 . . . . . . . . . . . . S105AB

10:30 AM–12:00 PM
Scientific Papers Sessions
Cardiac (Valves Imaging and Intervention)
Session SSK04 . . . . . . . . . . . . S103AB
Vascular Interventional (Ablation)
Session SSK20 . . . . . . . . . . . . E353A

12:15–12:45 PM
Posters and Exhibits: Discussions
Vascular Interventional Wednesday Poster Discussions
Session VIS-WEA . . . . . . . . VI Community, Learning Center

12:45–1:15 PM
Posters and Exhibits: Discussions
Vascular Interventional Wednesday Poster Discussions
Session VIS-WEB . . . . . . . . VI Community, Learning Center

1:30–6:00 PM
Educational Courses
Interventional Oncology Series: Colon and Neuroendocrine Liver Mets
Course VSIO41 . . . . . . . . . . . . S405AB
1:30–3:00 PM
Educational Courses
RSNA/ESR Sports Imaging Symposium: Musculoskeletal Interventional Procedures
Session MSSR43. ............................................E352

3:00–4:00 PM
Scientific Papers Sessions
Chest (Vascular/Interventional)
Session SSM05. ................................. S404CD
Pediatrics (Interventional Radiology)
Session SSM20. ................................. E260
Vascular Interventional (Neurovascular Interventions)
Session SSM23. ................................. E263
Vascular Interventional (Portal Interventions)
Session SSM24. ................................. E264

4:30–6:00 PM
Educational Courses
Controversy Session: CTA or MRA?
Session SPSC45. ................................. E353A

THURSDAY, NOV 29, 2018
Case of the Day
Interventional Radiology Thursday Case of the Day
Session ED007-TH . . . . . . . Case of Day, Learning Center

7:15–8:15 AM
Educational Courses
Controversy Session: In Stenotic Vascular Disease, Diameter Stenosis is All that Matters
Session SPSC50. ................................. E350

8:30–10:00 AM
Educational Courses
Cardiac Imaging for Transcatheter Intervention Planning
Course RC603. ................................. S103CD
Diseases of the Thoraco-abdominal Aorta
Course RC612. ................................. S503AB
Common Spinal Injection Procedures for Diagnosis and Treatment of Back Pain (Hands-on)
Course RC631. ................................. E263
Fallopian Tube Catheterization (Hands-on)
Course RC650. ................................. E260
Live Ultrasound Interventional Procedures: Joint Injections, Cyst Aspiration, Abscess Drainage, Vascular Access, Core Biopsy, and Foreign Body Removal (Hands-on)
Course RC652. ................................. E264
8:30 AM–12:00 PM
Educational Courses
Musculoskeletal Series: Musculoskeletal Interventions
Course RC604 ........................................... E353C
Interventional Series: Non-Vascular Interventions
Course RC614 ........................................... N227B

10:30 AM–12:00 PM
Scientific Papers Sessions
Cardiac (Great Vessels and Cardiopulmonary Disease)
Session SSQ02 ........................................... S404AB
Neuroradiology (Cervicocranial Vascular Imaging)
Session SSQ16 ........................................... S504AB
Vascular Interventional (Non-Vascular Interventions)
Session SSQ20 ........................................... S403A
Vascular Interventional (Liver Cancer Interventionist)
Session SSQ21 ........................................... S403B

12:15–12:45 PM
Posters and Exhibits: Discussions
Vascular Interventional Thursday Poster Discussions
Session VIS-THA ...................................... VI Community, Learning Center

12:45–1:15 PM
Posters and Exhibits: Discussions
Vascular Interventional Thursday Poster Discussions
Session VIS-THB ...................................... VI Community, Learning Center

1:30–6:00 PM
Educational Courses
Interventional Oncology Series: IO Practice and Clinical Trials
Course VSIO51 ........................................... S405AB

1:30–3:00 PM
Educational Courses
Case-based Review of Ultrasound (Interactive Session)
Course MSCU51 ........................................... E450B

3:00–4:00 PM
Educational Courses
Peds, IR, Potpourri (Case-based Competition)
Session SPDL51 ........................................... E451B
Hot Topic Session: Prostatic Artery Embolization for Primetime
Session SPSH55 ........................................... S402AB
3:30–5:00 PM
Educational Courses
Case-based Review of Ultrasound (Interactive Session)
Course MSCU52 .......................................................... E450B

4:30–6:00 PM
Educational Courses
Vascular Ultrasound and Doppler
Course RC710 ............................................................. N226
Thoracic Aortic Emergencies (Interactive Session)
Course RC712 ............................................................. S103AB
Dialysis Interventions
Course RC714 ............................................................. E353A
Image-guided Biopsy of the Spine (Hands-on)
Course RC731 ............................................................. E263
Transpositions of the Great Arteries in Your Hands
(Hands-on)
Course RCB55 ............................................................. S401CD

FRIDAY, NOV 30, 2018
8:30 AM–12:00 PM
Educational Courses
Interventional Series: Reproductive Health Interventions
Course RC814 ............................................................. E451B

8:30–10:00 AM
Educational Courses
MR Imaging in the Thorax
Course RC803 ............................................................. E353C

Posters and Exhibits Discussions
(CME is available when the author is present for discussion during the lunch period)

SUNDAY, NOV 25, 2018
12:30–1:00 PM
Scientific Posters
Citation Analysis of Interventional Radiology Articles: General Radiology Journals vs. a Dedicated Interventional Radiology Journal
VI201-SD-SUA2 ......................................................... Station #2
Does RFA Treatment Induce Neoplastic Changes in Benign Thyroid Nodules: A Preliminary Study

VI205-SD-SUA6 .......................... Station #6

Injection System and Navigation of Magnetic Microbeads Using MRI Gradients

VI203-SD-SUA4 .......................... Station #4

No Inferiority of Tonbridge Thrombectomy Device for Acute Thrombus Retrieval Compared with Solitaire Device: An Experimental Evaluation Study

VI204-SD-SUA5 .......................... Station #5

Significant Importance of Novel Direct Eye Dosimeter and Protective Lead Devices for Complying with ICRP Recommended Limit for the Eye Lens in Transarterial Chemoembolization for HCC

VI200-SD-SUA1 .......................... Station #1

The ALARA Principle in CT Guided Intervention

VI202-SD-SUA3 .......................... Station #3

12:30–1:00 PM

Education Exhibits

Ablative Treatment in Renal Tumors: Complications and How to Avoid Them

VI152-ED-SUA8 ....................... Station #8

Case-Based Pictorial Review of Vascular Plug-Assisted Retrograde Transvenous Obliteration (PARTO) for Bleeding Gastric Varices: A Feasible Alternative to BRTO?

VI006-EB-SUA .......................... Hardcopy Backboard

How to Treat Angiographically Occult Hepatocellular Carcinoma with Ultraselective Conventional Transarterial Chemoembolization?

VI151-ED-SUA7 ....................... Station #7

1:00–1:30 PM

Scientific Posters

A Multiple Combined Approach (Ablation, Consolidation and Radiotherapy) in the Management of Painful and Osteolytic Metastases of the Spine Only: Experience of a Single Center

VI210-SD-SUB5 ....................... Station #5

Effective Dose Management Using Fluoroscopy Save Technique for DSA (Digital Subtraction Angiography)

VI208-SD-SUB3 ....................... Station #3

Establishing Expected PET/CT Imaging Response Following Radioembolization for Breast Cancer Liver Metastases

VI209-SD-SUB4 ....................... Station #4

EZ-Access: A Novel 3D Printed Groin Puncture Device

VI211-SD-SUB6 ....................... Station #6
Ovarian Function Following Uterine Artery Embolization or Surgery for Symptomatic Uterine Fibroids: A Meta-Analysis

Selective Penile Arterial Embolization Does Not Affect Long-Term Erectile Function in Patients with High-Flow Priapism: An 18-Year Experience

1:00–1:30 PM
Education Exhibits
Contrast-Enhanced Ultrasound for Carotid Artery Plaque: How to Do It
Cryoacllation of Large Tumors: Techniques, Tips, and Risks
Pelvic Trauma: What to Know

MONDAY, NOV 26, 2018
12:15–12:45 PM
Scientific Posters
Clinical Impact of Bone Biopsy on Treating Osteomyelitis of the Foot: A Single Tertiary Institution Experience
Intrahepatic Cholangiocarcinoma: Treatment Approaches and Survival Trends for Surgically Ineligible Patients
Intraprocedural FDG Perfusion PET During PET/CT Guided Liver Tumor Ablation for Assessment of the Ablation Margin
Notions of Pre-Procedural Anxiety in the Realm of Interventional Radiology
Prostate Artery Embolization: How Does Additional Cone-Beam-CT Influence the Procedure
TIPS in Cirrhotic in Patients with Complications of Portal Hypertension: A Single-Centre Preliminary Experience Using a New Controlled-Expansion e-PTFE Covered Stent
Transvaginal Pelvic Interventions: A Road Less Travelled
12:15–12:45 PM
Education Exhibits
Beyond the Basics of Prostatic Artery Embolization (PAE): Controversies, Managing Complex Anatomy, and Keys to Successful Practice Building
VI156-ED-MOA8 .......................... Station #8
Optical Coherence Tomography: A Practical Primer for the Radiologist
VI158-ED-MOA10 ........................ Station #10

12:45–1:15 PM
Scientific Posters
Clinical Impact of Collateral Circulation in Patients with Median Arcuate Ligament Syndrome
VI219-SD-MOB1 .......................... Station #1
Cost Efficiency of Lung Biopsy Tract Collagen Solution Injection (BTCI)
VI224-SD-MOB6 .......................... Station #6
Endovascular Uterine Artery Embolization in Symptomatic Leiomyomas: A Single Center Experience
VI222-SD-MOB4 .......................... Station #4
Inconclusive Computed Tomography Angiography for Pulmonary Embolism: The Importance of Significative Venous Compression in the Thoracic Outlet
VI220-SD-MOB2 .......................... Station #2
Locoregional Treatments for Unresectable Early Stage HCC in Patients with High Risk for Intraprocedural Bleeding: Is Single-Step Combined Therapy Safe and Feasible?
VI223-SD-MOB5 .......................... Station #5
Radiopaque 3D Printed Phantoms for Simulation and Development of CT-Guided Procedures
VI221-SD-MOB3 .......................... Station #3

12:45–1:15 PM
Education Exhibits
Emergency with a Birth Canal Injury Due to Vaginal Delivery? Interventional Radiology Will Save Your Patient - Usefulness of Embolization for Birth Canal Injury in Vaginal Delivery
VI007-EB-MOB ................ Hardcopy Backboard
Flowing Through Time and Space
VI159-ED-MOB7 ........................ Station #7
This is Glue, Strong Stuff: Non-Vascular Applications of N-butyl-2-cyanoacrylate (NBCA) and Review of Technique
VI160-ED-MOB9 ........................ Station #9
TUESDAY, NOV 27, 2018

12:15–12:45 PM

Scientific Posters
CT Angiography of Entire Aorta with 30ml Contrast Medium Volume at 70kVp: Comparison with a Standard Protocol
VI231-SD-TUA7 . . . . . . . . . . . . . . . . . . . . . . . . . Station #7
Differential Diagnosis of Bland and Neoplastic Portal Vein Thrombosis with Dual Energy Spectral CT
VI230-SD-TUA6 . . . . . . . . . . . . . . . . . . . . . . . . Station #6
Incidence of Post-Biopsy Arteriovenous Fistula in Native and Transplant Kidneys
VI227-SD-TUA3 . . . . . . . . . . . . . . . . . . . . . . . . Station #3
Increased Hepatic Metastatic Growth following Radiofrequency Ablation
VI228-SD-TUA4 . . . . . . . . . . . . . . . . . . . . . . . . Station #4
O2-O3 Chemiodyscolysis and O2-O3 Retreatment: A Retrospective Outcome Evaluation of Different Multiple-Treatment Sessions in Partially-Responder Patients
VI232-SD-TUA8 . . . . . . . . . . . . . . . . . . . . . . . . Station #8
The Applications of Time Resolved Imaging of Contrast Kinetics (TRICKS) in the Assessment of the Proximal Venous System of Dialysis Patients
VI226-SD-TUA2 . . . . . . . . . . . . . . . . . . . . . . . . Station #2
Transarterial Chemoperfusion (TACP) and Transvenous Pulmonary Chemoembolization (TPCE) for the Treatment of Primary Lung Cancer
VI229-SD-TUA5 . . . . . . . . . . . . . . . . . . . . . . . . Station #5
Tumescence Anesthesia Solution-Assisted Laser Ablation Treatment of Lower Limb Varicose Veins: Effect of Temperature of Tumescence Anesthesia Solution on Intraoperative and Postoperative Pain, Clinical Observations, and Nursing Care
VI225-SD-TUA1 . . . . . . . . . . . . . . . . . . . . . . . . Station #1

12:15–12:45 PM

Education Exhibits
A Novel Approach to Sedation Management for Interventional Radiology Procedures-Utility of Dexmedetomidine
VI163-ED-TUA11 . . . . . . . . . . . . . . . . . . . . . . . . Station #11
Line of Sight: Multi-Modality Techniques for Challenging Tissue Biopsies
VI161-ED-TUA9 . . . . . . . . . . . . . . . . . . . . . . . . Station #9
Management of Classic Budd-Chiari Syndrome and Hepatic Vena Cava Budd-Chiari Syndrome (HVC-BCS): A Pictorial Review
VI162-ED-TUA10 . . . . . . . . . . . . . . . . . . . . . . . . Station #10
12:45–1:15 PM
Scientific Posters
Analyzing the Costs of Mechanical Thrombectomy in Acute Stroke in Our Reference Center over a Population of 390,000 Inhabitants
VI235-SD-TUB3 ................................ Station #3
Application Value of 4D CT Angiography in Spinal Artery Imaging
VI234-SD-TUB2 ................................ Station #2
Common Femoral Vein Lumen Area on MR Venography Changes with Patient Position and Hydration Status
VI236-SD-TUB4 ................................ Station #4
Novel Needle Based Sensors for Guiding Tissue Biopsies
VI239-SD-TUB7 ................................ Station #7
Preliminary Study of US-PET Fusion Virtual Navigation in Ultrasound-Guided Biopsy
VI238-SD-TUB6 ................................ Station #6
Single-Center Experience of IVC Filter Placement and Retrieval Practice Patterns
VI240-SD-TUB8 ................................ Station #8
Spectral CT Angiography Demonstration of the Lateral Circumflex Femoral Artery Descending Branch for Anterolateral Thigh Flap: Comparison of Monochromatic and Polychromatic Imaging
VI237-SD-TUB5 ................................ Station #5
The Early Evaluation of Carotid Arterial Elasticity in Patients with Prediabetes Using Pulse Wave Velocity by Ultrafast Imaging
VI233-SD-TUB1 ................................ Station #1

12:45–1:15 PM
Education Exhibits
Let It Flow: Endovascular Management of Vascular Complications Post-Liver Transplant
VI165-ED-TUB10 ............................. Station #10
Radiofrequency Ablation for Thyroid Nodules: Current Evidences and Future Perspectives
VI164-ED-TUB9 .............................. Station #9
What Should Diagnostic Radiologists Know About Endoscopic Ultrasound-Guided Biliary Intervention?
VI175-ED-TUB11 ............................. Station #11
**WEDNESDAY, NOV 28, 2018**

**12:15–12:45 PM**

**Scientific Posters**

Assessing Lag Time after CTA in the Diagnosis of Acute Lower Gastrointestinal Bleed on Catheter Angiography: Towards Improving Yield  
VI242-SD-WEA2  . . . . . . . . . . . . . . . . . . . . . . . Station #2

Carotid Occlusions in the Setting of Acute Stroke  
VI247-SD-WEA7  . . . . . . . . . . . . . . . . . . . . . . . Station #7

CEUS Monitoring of Intratumoral Microcirculation After Electroporation of Liver Tumors  
VI243-SD-WEA3  . . . . . . . . . . . . . . . . . . . . . . . Station #3

Mid-Term Result of Thoracic Endovascular Aortic Repair in Octogenarians and Nonagenarians  
VI245-SD-WEA5  . . . . . . . . . . . . . . . . . . . . . . . Station #5

MR Lymphography in Patients with Lymphedema: Does Compression Therapy Increase False Negative Cases?  
VI241-SD-WEA1  . . . . . . . . . . . . . . . . . . . . . . . Station #1

Psoas Muscle Density in Combination with Model of End-Stage Liver Disease Score Can Improve Survival Predictability Following Transjugular Intrahepatic Portosystemic Shunt  
VI246-SD-WEA6  . . . . . . . . . . . . . . . . . . . . . . . Station #6

Risk Assessment of Chronic Kidney Diseas Following Thermal Ablation: Comparative Assessment of Radiofrequency, Cryo-and Microwave Ablation for T1a Renal Masses  
VI249-SD-WEA9  . . . . . . . . . . . . . . . . . . . . . . . Station #9

Simultaneous Noncontrast Angiography and IntraPlaque Hemorrhage (SNAP) Imaging for Cervical Artery Dissections  
VI244-SD-WEA4  . . . . . . . . . . . . . . . . . . . . . . . Station #4

The Effects of miR-34a on the Function of Human Colon Cancer Cell SW480 and Growth of Subcutaneous Xenograft Tumor  
VI248-SD-WEA8  . . . . . . . . . . . . . . . . . . . . . . . Station #8

**12:15–12:45 PM**

**Education Exhibits**

The Essentials of Prostatic Artery Embolization (PAE): A Beginners’ Guide and Laying the Foundation for Success  
VI166-ED-WEA10  . . . . . . . . . . . . . . . . . . . . . . . Station #10

Tools for “Superactive Surveillance” for Local Focal Ablation of Low Grade Prostate Cancer  
VI168-ED-WEA12  . . . . . . . . . . . . . . . . . . . . . . . Station #12

Vascular Intervention for Aortic Dissection –What Should Radiologists Know When Making a Decision About the Optimal Treatment?  
VI167-ED-WEA11  . . . . . . . . . . . . . . . . . . . . . . . Station #11
12:45–1:15 PM
Scientific Posters
A Study on Microwave Ablation Technique Using a Newly Developed Microwave Surgical Instrument. in Vivo Study in a Rabbit Liver Model
VI250-SD-WEB1 ............................ Station #1

Analyzing the Effectiveness of Pericardial Drain Size on Short Term Complications and Recurrence as a Palliative Care Option for the Treatment of Symptomatic Pericardial Effusion
VI252-SD-WEB3 ............................ Station #3

Frequency and CTA-based Volumetric Analysis of Endoleaks after Fenestrated Endovascular Aortic Aneurysm Repair (FEVAR) using Custom and Off-the-Shelf Devices
VI257-SD-WEB8 ............................ Station #8

Not All M2 Branches are Alike: Failure of Frontal Division Recanalization Utilizing Mechanical Thrombectomy
VI256-SD-WEB7 ............................ Station #7

Percutaneous Vesselplasty in Osteolytic Primary or Secondary Vertebral Lesions After the Radiofrequency Ablation: A Safe and Effective Technique
VI251-SD-WEB2 ............................ Station #2

Preoperative Endoscopic versus Percutaneous Biliary Stent Placement for Obstructive Jaundice before Pancreatectomy: An Analysis of the National Surgical Quality Improvement Program
VI253-SD-WEB4 ............................ Station #4

Radiofrequency Versus Microwave Liver Ablation. Preliminary Results of a Randomized Clinical Trial
VI258-SD-WEB9 ............................ Station #9

Safety of Combining Everolimus with Transarterial Embolization in Patients with Metastatic Neuroendocrine Tumor to the Liver
VI255-SD-WEB6 ............................ Station #6

The Diagnostic Value of Noncontrast-Enhanced ECG-Gating Quiescent-Interval Single-Shot (QISS) MR Angiography in Lower Extremity Peripheral Arterial Disease
VI254-SD-WEB5 ............................ Station #5

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Clinical Applications of Dynamic Density Optimization (DDO) in Body Digital Angiography: What the Radiologist Needs to Know
VI170-ED-WEB11 ............................ Station #11

Portomesenteric Venous Complications After Pancreatic Surgery with Venous Reconstruction: Imaging and Interventional Therapies
VI169-ED-WEB10 ............................ Station #10
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Scientific Posters
“Dark Blood” Dual-Energy CT Imaging Using a Dedicated Material Decomposition Method
VI262-SD-THA4 .......................... Station #4

Does Transfusion of Fresh Frozen Plasma Decrease the Rate of Paracentesis Related Hemorrhagic Complications in Coagulopathic Patients?
VI259-SD-THA1 ......................... Station #1

Multifunctional Embolic Beads Development for Image-Guided Transarterial Embolization
VI264-SD-THA6 .......................... Station #6

Patterns of Regional Lymph Node Recurrence After Definitive Radiotherapy for Cervical Cancer Patients
VI260-SD-THA2 .......................... Station #2

Reduction in the Efficacy of Irreversible Electroporation for the Ablation of Colorectal Liver Metastases in the Presence of Metallic Objects Can Be Modeled with Computer Simulations
VI265-SD-THA7 .......................... Station #7

Super Flexible Metallic Stents Insertion for the Management of Malignant Tortuous Hepatic or Splenic Flexure Colonic Obstruction
VI263-SD-THA5 .......................... Station #5

Surgery, Medicine, or Transitional Year? Comparison of Internship Year for Those Going Into Interventional Radiology with Retrospective Analysis of the RFS Survey of Trainees
VI261-SD-THA3 .......................... Station #3

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Education Exhibits
Biopsy Request? Not so Fast, It’s a Pseudomass! Common and Uncommon Mimickers of Disease in the Abdomen and Pelvis
VI172-ED-THA9 .......................... Station #9

Neck Magnetic Resonance Angiography for Determination of Neointimal Coverage of the Stenting Site After Carotid Artery Stenting
VI171-ED-THA8 .......................... Station #8

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Scientific Posters
Analysis of Imaging Features of Bone Changes With The Chylous Reflux Lymphedema
VI272-SD-THB7 .......................... Station #7

Differences in Adherence and Reported Occupational Dose For One- versus Two-Badge Monitoring Protocols Among Medical Staff Performing or Assisting with Fluoroscopically-
Guided Interventional Procedures
VI270-SD-THB5 ............................ Station #5
Long-Term Outcomes of Radiofrequency Ablation for Locally Recurrent Papillary Thyroid Cancer

VI269-SD-THB4 ............................ Station #4
MRI and US Volume Measurement Differences May Predict Success of Prostate Fusion Biopsy

VI273-SD-THB8 ............................ Station #8
Superman X-Ray Vision Smart Glasses Guidance for Percutaneous Biopsy and Ablation

VI266-SD-THB1 ............................ Station #1
The Availability of Interventional Radiology Rotations at Medical Schools in the United States

VI267-SD-THB2 ............................ Station #2
The Predictor of Pulmonary Artery Pressure Improvement of Balloon Pulmonary Angioplasty for Chronic Thromboembolic Pulmonary Hypertension: Initial Experience of the CT Voronoi Diagram-based Lung Volume Measurements

VI268-SD-THB3 ............................ Station #3
Utility of Change in Volumetric ADC and Enhancement Post TACE in Predicting Histologic Grade of HCC with Pathologic Correlation

VI271-SD-THB6 ............................ Station #6

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Contrast Enhanced Magnetic Resonance Lymphangiography for Various Thoracoabdominal Lymphatic Diseases
VI174-ED-THB10 ............................ Station #10
Need-To-Know Things About Interventional Procedures Related to Portal Venous System
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