Emergency Radiology

RADIOLOGICAL SOCIETY
OF NORTH AMERICA
105th Scientific Assembly
and Annual Meeting

Meeting.RSNA.org
#RSNA19
Walk Through the Week

Sunday, Dec. 1, 2019

Case of the Day
Emergency Radiology Sunday Case of the Day
Session ED004-SU . . . . . . . . Case of Day, Learning Center

10:45 AM–12:15 PM
Scientific Papers Sessions
Science Session with Keynote: Emergency Radiology
(Practice Management)
Session SSA06 . . . . . . . . . . . . N227B
Neuroradiology (Stroke 1)
Session SSA17 . . . . . . . . . . . . S501ABC

12:30–1:00 PM
Posters and Exhibits: Discussions
Emergency Radiology Sunday Poster Discussions
Session ERS-SUA . . . . . . . . ER Community, Learning Center

1:00–1:30 PM
Posters and Exhibits: Discussions
Emergency Radiology Sunday Poster Discussions
Session ERS-SUB . . . . . . . . ER Community, Learning Center

2:00–3:30 PM
Educational Courses
Imaging of Musculoskeletal Emergencies (Interactive Session)
Course RC108 . . . . . . . . . . . . S406A

Monday, Dec. 2, 2019

Case of the Day
Emergency Radiology Monday Case of the Day
Session ED004-MO . . . . . . . . Case of Day, Learning Center

7:15–8:15 AM
Educational Courses
Radiology Stranger Things: A Journey into the Upside Down
(Case-based Competition)
Session SPDL20 . . . . . . . . . . . E451B

8:30–10:00 AM
Educational Courses
Emergency Cardiothoracic CT Angiography
Course RC208 . . . . . . . . . . . . E450B

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 94.00 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 Symposia 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.
10:30 AM–12:00 PM
Scientific Papers Sessions
Science Session with Keynote: Emergency Radiology (Imaging Algorithms and Technique)
Session SSC04 . . . . . . . . . . . . . . . . . . . . . . . . . . S102CD

12:15–12:45 PM
Posters and Exhibits: Discussions
Emergency Radiology Monday Poster Discussions
Session ERS-MOA . . . . . . ER Community, Learning Center

12:45–1:15 PM
Posters and Exhibits: Discussions
Emergency Radiology Monday Poster Discussions
Session ERS-MOB . . . . . . ER Community, Learning Center

2:00–2:20 PM
Showcase Presentations
AI Theater: Next-Generation Radiology AI: The Journey from an AI Algorithm to a Partner: Presented by Aidoc
Session AI28 . . . . . . AI Showcase North Building Level 2

3:00–4:00 PM
Scientific Papers Sessions
Emergency Radiology (Non-Trauma: Brain, Head and Neck, and Spine)
Session SSE06 . . . . . . . . . . . . . . . . . . . . . . . . . . E353A

Tuesday, Dec. 3, 2019

Case of the Day
Emergency Radiology Tuesday Case of the Day
Session ED004-TU . . . . . . Case of Day, Learning Center

8:30 AM–12:00 PM
Educational Courses
Emergency Radiology Series: Current Imaging of the Acute Abdomen
Course RC308 . . . . . . . . . . . . . . . . . . . . . . . . . S401CD

10:30 AM–12:00 PM
Scientific Papers Sessions
Neuroradiology (Stroke 2)
Session SSG10 . . . . . . . . . . . . . . . . . . . . . . . . . . N229

12:15–12:45 PM
Posters and Exhibits: Discussions
Emergency Radiology Tuesday Poster Discussions
Session ERS-TUA . . . . . . ER Community, Learning Center

12:45–1:15 PM
Posters and Exhibits: Discussions
Emergency Radiology Tuesday Poster Discussions
Session ERS-TUB . . . . . . ER Community, Learning Center

2:30–4:00 PM
Educational Courses
Hands-on Artificial Intelligence for Non-coders: How is an Intracranial Hemorrhage Detection Algorithm Created? (Hands-on)
Course RCA34 . . . . . . . . . . . . . . . . . . . . . . . . . . S401AB

3:00–4:00 PM
Scientific Papers Sessions
Emergency Radiology (Trauma Imaging: New Concepts)
Session SSJ06 . . . . . . . . . . . . . . . . . . . . . . . . . . S406A
Neuroradiology (Traumatic Brain Injury)
Session SSJ18 . . . . . . . . . . . . . . . . . . . . . . . . . . S406B
Neuroradiology (Stroke 3)
Session SSJ20 . . . . . . . . . . . . . . . . . . . . . . . . . . S404AB

3:30–5:00 PM
Educational Courses
Essentials of Trauma Imaging
Course MSES34 . . . . . . . . . . . . . . . . . . . . . . . . . . S100AB

4:30–6:00 PM
Educational Courses
Emergency Neuroradiology: Interventional Neuroradiology—What the Emergency Radiologist Needs to Know (at 3 AM) (Interactive Session)
Course RC408 . . . . . . . . . . . . . . . . . . . . . . . . . . S402AB
The New Standard of Care of Large Vessel Stroke is Endovascular: Is Your Radiology Practice Ready?
Course RC431 . . . . . . . . . . . . . . . . . . . . . . . . . . . . N229

Wednesday, Dec. 4, 2019

Case of the Day
Emergency Radiology Wednesday Case of the Day
Session ED004-WE . . . . . . Case of Day, Learning Center

7:15–8:15 AM
Educational Courses
Hot Topic Session: Mass Casualty Incidents-When Disaster Strikes
Session SPSH40 . . . . . . . . . . . . . . . . . . . . . . . . . E451A
**Thursday, Dec. 5, 2019**

**8:30–10:00 AM**
**Educational Courses**
RSNA/ESR Sports Imaging Symposium: Upper Extremity Sports Injuries (Interactive Session)
Session MSSR41 ............................................. E350
Emergency Ultrasound Pitfalls and Pearls
Course RC508 ................................................... E451B

**8:30 AM–12:00 PM**
**Educational Courses**
Neuroradiology Series: Stroke
Course RC505 ................................................... N228

**10:30 AM–12:00 PM**
**Scientific Papers Sessions**
Science Session with Keynote: Emergency Radiology (Pulmonary Emboli - Current Cutting Edge, and the Future)
Session SSK06 .................................................. S103AB

**12:15–12:45 PM**
**Posters and Exhibits: Discussions**
Emergency Radiology Wednesday Poster Discussions
Session ERS-WEA ..................ER Community, Learning Center

**12:45–1:15 PM**
**Posters and Exhibits: Discussions**
Emergency Radiology Wednesday Poster Discussions
Session ERS-WEB ..................ER Community, Learning Center

**1:30–3:00 PM**
**Educational Courses**
RSNA/ESR Sports Imaging Symposium: Musculoskeletal Interventional Procedures (Interactive Session)
Session MSSR43 ............................................. E350

**3:00–4:00 PM**
**Scientific Papers Sessions**
Emergency Radiology (Acute Care Imaging Utilization)
Session SSM07 ................................................. N228
Neuroradiology (Vascular, Non-Stroke)
Session SSM20 ................................................. S502AB

**3:30–5:00 PM**
**Educational Courses**
RSNA/ESR Sports Imaging Symposium: Postoperative Imaging of Sports Injuries (Interactive Session)
Session MSSR44 ............................................. E350

**4:30–6:00 PM**
**Educational Courses**
Controversy Session: Contrast Agent Controversies
Session SPSC41 ............................................ N228

**Thursday, Dec. 5, 2019**

**8:30 AM–12:00 PM**
**Educational Courses**
Emergency Radiology Series: Contemporary Topics in Imaging of Trauma
Course RC608 ................................................... S401CD

**12:15–12:45 PM**
**Posters and Exhibits: Discussions**
Emergency Radiology Thursday Poster Discussions
Session ERS-THA .................. ER Community, Learning Center

**12:45–1:15 PM**
**Posters and Exhibits: Discussions**
Emergency Radiology Thursday Poster Discussions
Session ERS-THB .................. ER Community, Learning Center

**3:00–4:00 PM**
**Educational Courses**
Hot Topic Session: Imaging of Traumatic Brain Injury-Present and Future
Session SPSH54 ............................................. E451A

**4:30–6:00 PM**
**Educational Courses**
Emergency Imaging of 'At Risk' Populations
Course RC708 ................................................. N227B

**Friday, Dec. 6, 2019**

**8:30–10:00 AM**
**Educational Courses**
Avulsion Injuries of the Upper and Lower Extremities
Course RC804 ................................................. E451B
Posters and Exhibits Discussions

(CME is available when the author is present for discussion during the lunch period)

Sunday, Dec. 1, 2019

12:30–1:00 PM
Scientific Posters
Cervical Spine CT’s Ordering in the Trauma Setting Based on NEXUS and Canadian C-Spine Rules: An Institutional Experience
ER242-SD-SUA2 . . . . . . . . . . . . . . . . . . . . . . . . . Station #2
DECT Evaluation of Acute Appendicitis Using Iodine Maps
ER200-SD-SUA1 . . . . . . . . . . . . . . . . . . . . . . . . . Station #1
Diffusion Tensor Imaging (DTI) Indices in Spinal Cord Injury Patients
ER243-SD-SUA3 . . . . . . . . . . . . . . . . . . . . . . . . . Station #3
Do TBI Patients with ICH Have a Signature Symptom Profile?
ER244-SD-SUA4 . . . . . . . . . . . . . . . . . . . . . . . . . Station #4
Eliminating Radiologist Pre-Approval of CT Protocols: Impact on Emergency Department Turnaround Times
ER230-SD-SUA5 . . . . . . . . . . . . . . . . . . . . . . . . . Station #5

12:30–1:00 PM
Education Exhibits
Pancreatic Injury: Comprehensive Imaging Review and Management Update
ER157-ED-SUA7 . . . . . . . . . . . . . . . . . . . . . . . . . Station #7
The Whole Spine Yards: A Review of Pediatric Spine Trauma
ER158-ED-SUA6 . . . . . . . . . . . . . . . . . . . . . . . . . Station #6

1:00–1:30 PM
Scientific Posters
Differentiation of Drowning in Seawater and Freshwater with Pleural Effusion: A Phantom Study Using Dual-Layer Spectral CT
ER202-SD-SUB2 . . . . . . . . . . . . . . . . . . . . . . . . . Station #2
Performance Analysis of Deep Learning Algorithm for Emergency Chest CT Reading
ER231-SD-SUB4 . . . . . . . . . . . . . . . . . . . . . . . . . Station #4
Role of Oblique Coronal Reconstruction(OCR) of the Ribs for Blunt Trauma Chest in a Large Trauma Center: Our Experience
ER201-SD-SUB1 . . . . . . . . . . . . . . . . . . . . . . . . . Station #1
Ruling Out Pneumothorax Via Ultrasound Using B-Flow Imaging
ER203-SD-SUB3 . . . . . . . . . . . . . . . . . . . . . . . . . Station #3

1:00–1:30 PM
Education Exhibits
CT in Diagnosis of Post-Colonoscopy Complications: What the Radiologist Must Know
ER160-ED-SUB5 . . . . . . . . . . . . . . . . . . . . . . . . . Station #5
Key Findings that Influence the Management of Head and Neck Infectious Emergencies: What the Radiologist Must Tell the ER
ER159-ED-SUB6 . . . . . . . . . . . . . . . . . . . . . . . . . Station #6

Monday, Dec. 2, 2019

12:15–12:45 PM
Scientific Posters
256-Rows Dual-Energy CT Virtual Decalcification Technique for Detection of Bone Marrow Edema at Visual and Quantitative Analyses
ER241-SD-MOA4 . . . . . . . . . . . . . . . . . . . . . . . . . Station #4
Performance Evaluation of a Deep Learning Algorithm in Measuring Midline Shift in Head CT Scans
ER206-SD-MOA3 . . . . . . . . . . . . . . . . . . . . . . . . . Station #3
Pitfalls of Automated ASPECTS: Initial Experience in A Tertiary Care Centre
ER227-SD-MOA5 . . . . . . . . . . . . . . . . . . . . . . . . . Station #5
Pregnant Trauma: Retrospective Analysis of Fetal Outcome in the Trauma of Pregnant Patients
ER204-SD-MOA1 . . . . . . . . . . . . . . . . . . . . . . . . . Station #1
Usefulness of a Clinical Decision Support System (CDSS) for Suitability of Performance of an Aortic CT-Angiography for the Diagnosis of Acute Aortic Syndrome (AAS) MAPAC Imaging Project
ER205-SD-MOA2 . . . . . . . . . . . . . . . . . . . . . . . . . Station #2

12:15–12:45 PM
Education Exhibits
Retroperitoneal Injuries on MDCT from Blunt and Penetrating Trauma Revisited: Pearls and Pitfalls
ER165-ED-MOA6 . . . . . . . . . . . . . . . . . . . . . . . . . Station #6
The Top 10 Radiological Diagnosis for the Pediatric Emergency Room: A Practical and Pictorial Review from Head to Toe
ER162-ED-MOA7 . . . . . . . . . . . . . . . . . . . . . . . . . Station #7
12:45–1:15 PM
Scientific Posters
A Comparative Study on the Detection Efficiency for Different Types of Fractures Based on Deep Learning (DL) Algorithm
ER208-SD-MOB2  . . . . . . . . . . . . . . . . . . . . . . . Station #2
Correlation between the Severity of Traumatic Aortic Injury and Clinical Outcomes at a Level 1 Trauma Center
ER207-SD-MOB1  . . . . . . . . . . . . . . . . . . . . . . . Station #1
Improved Detection of Acute Small Vessel Occlusions Using CT Perfusion in Acute Stroke
ER229-SD-MOB5  . . . . . . . . . . . . . . . . . . . . . . . Station #5
Intraosseous Contrast Administration for Emergency Computed Tomography: A Case-Control Study
ER228-SD-MOB4  . . . . . . . . . . . . . . . . . . . . . . . Station #4
Speed Balling: Identify Lab Values which May Predict a Positive Imaging Finding on a CT to Help Triage Patients in an ED Setting
ER209-SD-MOB3  . . . . . . . . . . . . . . . . . . . . . . . Station #3

12:45–1:15 PM
Education Exhibits
Let’s Be Blunt: Imaging and Management of Genitourinary Tract Trauma
ER164-ED-MOB6  . . . . . . . . . . . . . . . . . . . . . . . Station #6
Surgical Fixation of Rib Fractures: What the Radiologist Should Know
ER163-ED-MOB7  . . . . . . . . . . . . . . . . . . . . . . . Station #7

Tuesday, Dec. 3, 2019

12:15–12:45 PM
Scientific Posters
Availability of the High-Pitch Helical Scan Using Dual-Source CT in Aortic Disease: ECG-Gated is No Longer Needed
ER212-SD-TUA3  . . . . . . . . . . . . . . . . . . . . . . . Station #3
Choosing Wisely: Imaging Recommendations Reduce Unnecessary Radiological Exams in an Emergency Department
ER211-SD-TUA2  . . . . . . . . . . . . . . . . . . . . . . . Station #2
Deep Learning-Based Computer Aided Diagnostic System Reduces Reading Time and Occupational Fatigue of Radiologists in Thoracic Fracture
ER234-SD-TUA4  . . . . . . . . . . . . . . . . . . . . . . . Station #4
Optic Nerve Sheath Diameter Measurement for Predicting Raised Intracranial Pressure in Patients with Traumatic Brain Injury: A Meta-Analysis
ER210-SD-TUA1  . . . . . . . . . . . . . . . . . . . . . . . Station #1
Peritoneal Infarcts: Timing of CT Scan
ER235-SD-TUA5  . . . . . . . . . . . . . . . . . . . . . . . Station #5

12:15–12:45 PM
Education Exhibits
Review of Non-Traumatic Renal Emergency Conditions
ER166-ED-TUA7  . . . . . . . . . . . . . . . . . . . . . . . Station #7
Twenty Known and Emerging DECT Applications in Emergency Neuroradiology
ER161-ED-TUA6  . . . . . . . . . . . . . . . . . . . . . . . Station #6

12:45–1:15 PM
Scientific Posters
Is the Intravascular Gas of the Organs on Early Postmortem CT Always Related to Cardiopulmonary Resuscitation?
ER214-SD-TUB2  . . . . . . . . . . . . . . . . . . . . . . . Station #2
MAPAC Project: Image Algorithm for Acute Chest Pain with Suspicion of Coronary Heart Disease in the Emergency Department
ER213-SD-TUB1  . . . . . . . . . . . . . . . . . . . . . . . Station #1
Small Bowel Feces Sign in The Setting of Mesenteric and Bowel Injuries Due to Blunt Bowel Trauma
ER236-SD-TUB3  . . . . . . . . . . . . . . . . . . . . . . . Station #3

12:45–1:15 PM
Education Exhibits
CNS Emergencies and Complications of HIV
ER167-ED-TUB4  . . . . . . . . . . . . . . . . . . . . . . . Station #4
The Temporal Rift: Making the Key Features of Temporal Bone Fractures Accessible to the Non-Neuroradiologist
ER168-ED-TUB5  . . . . . . . . . . . . . . . . . . . . . . . Station #5

Wednesday, Dec. 4, 2019

12:15–12:45 PM
Scientific Posters
A 2019 International Survey to Assess Trends in Follow-up Imaging of Blunt Splenic Trauma
ER237-SD-WEA4  . . . . . . . . . . . . . . . . . . . . . . . Station #4
Can Pulmonary Embolism Rule-Out Criteria Replace The Need for D-Dimer Testing Among Patients with Low Clinical Probability in The Emergency Department?
ER238-SD-WEA5  . . . . . . . . . . . . . . . . . . . . . . . Station #5
Defining CT Based Imaging Variables that Correlate with Angiographic Findings and Clinical Outcome in Trauma Patients
ER216-SD-WEA2  . . . . . . . . . . . . . . . . . . . . . . . Station #2
Diagnostic Accuracy of Three-Dimensional Surface Rendering Reconstruction Images in Detection of Cervical Spine Injuries Using Multi-Planar Computed Tomography as Reference Standard

ER217-SD-WEA3 .......................... Station #3

Feasibility of Point-of-Care Knee Ultrasonography for Diagnosing Anterior Cruciate and Posterior Cruciate Ligament Tears in the Emergency Department

ER215-SD-WEA1 .......................... Station #1

12:15–12:45 PM

Education Exhibits

Perilous Pipe Problems: Review of Abdominopelvic Arterial Emergencies

ER170-ED-WEA7 .......................... Station #7

Splenic Trauma: New 2018 AAST Injury Grading Scale for an Evolving Landscape towards Non-Operative Management

ER169-ED-WEA6 .......................... Station #6

12:45–1:15 PM

Scientific Posters

Assessment of CT Scan Need for Patients with Delayed Presentation of Head Trauma

ER239-SD-WEB4 .......................... Station #4

Can Obstructive Urolithiasis Be Safely Excluded on Contrast-Enhanced CT?: A Retrospective Noninferiority Analysis Between Contrast-Enhanced and Non-Contrast CT

ER220-SD-WEB3 .......................... Station #3

Impact of Added CT Venography Performed in Combination with CT Pulmonary Angiography on the Detection of Deep venous Thrombosis and Relevant Occult CT-Findings

ER240-SD-WEB5 .......................... Station #5

MAPAC Imaging Project - Value of a Clinical Decision Support System (CDSS) for the Worthiness of Carrying Out An Abdominal Angio-CT For the Diagnosis of Acute Mesenteric Ischemia (AMI)

ER218-SD-WEB1 .......................... Station #1

Performance Evaluation of Deep Learning Algorithm in Measuring the Volume of Cerebral Hematoma

ER219-SD-WEB2 .......................... Station #2

12:45–1:15 PM

Education Exhibits

Imaging Findings in Intimate Partner Violence

ER171-ED-WEB6 .......................... Station #6

The Dark Side of Postpartum: A Pictorial Review of Puerperal Complications

ER172-ED-WEB7 .......................... Station #7

Thursday, Dec. 5, 2019

12:15–12:45 PM

Scientific Posters

Segmental Bowel Wall Hypoenhancement on CT Predicts Devascularizing Mesenteric Injury After Blunt Trauma

ER222-SD-THA2 .......................... Station #2

The Accuracy and Feasibility of Automatic Classification and Localization of Rib Fractures from Thorax CT using Convolutional Neural Networks

ER221-SD-THA1 .......................... Station #1

The Performance of Deep Learning-Based Computer Aided Diagnostic System (DL-CAD) in Diagnosis of Lobar Cerebral Hemorrhage with Computed Tomography

ER223-SD-THA3 .......................... Station #3

Virtual Monochromatic Reconstructions of Dual-Energy CT in Abdominal Trauma: Optimization of Energy Level Improves Pancreas Laceration Conspicuity and Diagnostic Confidence

ER232-SD-THA4 .......................... Station #4

12:15–12:45 PM

Education Exhibits

Imaging Evaluation of Abdominopelvic Gunshot Trauma: What the Radiologist Needs to Know

ER173-ED-THA5 .......................... Station #5

12:45–1:15 PM

Scientific Posters

Adrenal Hematomas And Associated Injuries in the Chest, Abdomen and Pelvis, A Level 1 Trauma Center Experience

ER224-SD-THB1 .......................... Station #1

Cervical Spine Fracture Prevalence Using Machine Learning

ER225-SD-THB2 .......................... Station #2

Small Bowel Obstruction (SBO) Predictors of Urgent Surgical Treatment and Bowel Resection

ER226-SD-THB3 .......................... Station #3

The Utility of Iodine Based Dual-Energy CT (DECT) in Triaging Patients with Blunt Bowel Injury

ER233-SD-THB4 .......................... Station #4

12:45–1:15 PM

Education Exhibits

Vascular Injuries by Gunshot Wound: Pearls and Pitfalls

ER174-ED-THB5 .......................... Station #5
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<th>Education Exhibits</th>
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<td>Foreign Body Within the Abdominal Cavity: Emphasis on Its Potential Complications</td>
<td>ER113-ED-X The On-Call Radiology Residents Guide to Managing the Reading Room: Distractions, Downtimes, and Discussions</td>
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<tr>
<td>ER002-EB-X</td>
<td>Learning from Disaster: What Past Events Can Teach Us about Radiology Planning for a Mass Casualty Incident</td>
<td>ER114-ED-X “Point of Care” in Abdominal Trauma: What Not to Miss</td>
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<tr>
<td>ER003-EB-X</td>
<td>Dual-Energy CT: How to Use it to Salvage Suboptimal CT Angiograms</td>
<td>ER115-ED-X Damage Control Surgery: Commonly Missed Injuries, Pitfalls, and Mimics within the Abdomen on Diagnostic CT</td>
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<tr>
<td>ER004-EB-X</td>
<td>Don’t Stop Me Now: The CTA Lyrics to a Fast and Accurate Treatment of Abdominal Active Bleeding</td>
<td>ER116-ED-X Pancreatic Injury in Blunt Abdominal Trauma</td>
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<td>ER100-ED-X</td>
<td>The Radiologist’s Role in Stratifying Blunt Chest Trauma Incorporating Best Practice Reporting Guidelines</td>
<td>ER117-ED-X Multi-Modality Imaging of Pancreatic Trauma</td>
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<td>ER101-ED-X</td>
<td>The Night is Dark and Full of Terrors: A Primer for Overnight Blind Spots for the On-Call Radiologist</td>
<td>ER118-ED-X Don’t Skip a Beat! Critical Imaging Findings in Adults with Congenital Heart Disease Presenting to the Emergency Department</td>
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<td>ER102-ED-X</td>
<td>Imaging Findings of Rodeo Injuries in the Wild West</td>
<td>ER119-ED-X When Residents are On-Call: A Pictorial Review of Common and Unusual Findings of Intracranial Bleeding and Ischemic Infarcts in the ER</td>
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<td>ER103-ED-X</td>
<td>Bigger isn’t Always Better: Review of Important Imaging Measurements for the On-Call Radiology Resident</td>
<td>ER120-ED-X Tomography of Acute Orbital Pathology: Only One Point of View</td>
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<td>ER104-ED-X</td>
<td>MRI Appearance of Clinical Mimics of Appendicitis in Pediatric Patients</td>
<td>ER121-ED-X The Walking Brain: What the Radiologist Needs to Know About Cerebral Herniation</td>
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<tr>
<td>ER105-ED-X</td>
<td>Breast Emergency: How Do I Manage It?</td>
<td>ER122-ED-X Pictorial Review of Cardiac Tamponade: What Radiologists Need to Know</td>
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<tr>
<td>ER106-ED-X</td>
<td>In and Outs of Plain Radiographs of the Abdomen: Looking for Abdominal Air Where it Should Not Be</td>
<td>ER123-ED-X Brain CT Perfusion Studies: Turning False Ischaemic Penumbra into Light</td>
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<td>ER107-ED-X</td>
<td>Emergency Imaging Assessment of Intracranial Complications of Acute ENT Infections</td>
<td>ER124-ED-X Trauma in Pregnancy: One CT Scan Can Save Multiple Lives</td>
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<td>ER108-ED-X</td>
<td>About to Blow Up!: Cased-based Review of Impending Signs of Aortic Rupture, Treatment, and Endoleak Complications</td>
<td>ER125-ED-X The Changing World of Contraband Smuggling</td>
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<td>ER110-ED-X</td>
<td>The Family Jewels: Pearls for Imaging Patients with Acute Scrotal Pain</td>
<td>ER127-ED-X The Small Bowel Goes to the ER</td>
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<td>ER111-ED-X</td>
<td>The Perilous Pancreas: A Multimodality Review of Pancreatic Trauma</td>
<td>ER128-ED-X How to Detect Pulmonary Embolism, Especially Small Emboli More Quickly with Dual-Energy Spectral CT</td>
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<td>ER113-ED-X</td>
<td>The On-Call Radiology Residents Guide to Managing the Reading Room: Distractions, Downtimes, and Discussions</td>
<td>ER130-ED-X Checklist Approach as a Guide to the Interpretation of Chest CT Examinations Showing Diffuse Abnormalities in Acute Disease</td>
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<tr>
<td>ER131-ED-X</td>
<td>Headache: What to Look for on Emergency Neuroimaging in the Headache Patient</td>
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