

RSNA 2018 - 104th Scientific Assembly and Annual Meeting Award Winners

Magna Cum Laude

BR146-ED-X

Breast Invaders: Atypical Infectious and Parasitic Breast Diseases

H.D. Skaf, MD, Sao Paulo BRAZIL
C.D. Pinheiro, MBBS
C.F. Corona, MD
H. Durante, MD
R.L. Macedo, MD
C.S. Goldman, MD

BR168-ED-SUA8

Testing the Waters: Multimodality Imaging Evaluation of Peri-Implant Effusions

M. Harris, MD, Dallas, TX
E.E. Knippa, MD
N. Haddock, MD
S. Teotia, MD
S. Sahoo, MD
W. Evans III, MD

BR193-ED-TUB8

Freezing Instead of Excising: Cryoablation for Breast Cancer - How It's Done

L. DeMello, MD, Providence, RI
R.C. Ward, MD
M.B. Mainiero, MD
A.P. Lourenco, MD

CA147-ED-X

Cardiac Catheterization 101 for radiologists

P. Ranganath, MD
S. Hale, MD
P. Rajiah, MD, FRCR, Dallas, TX

CH004-ED-X

Hemoptysis A to Z : What the Radiologist Needs to Know

H. Lee, MD, Seoul KOREA, REPUBLIC OF
Y. Shin
J. Kim, MD

CH110-ED-X

Shades of Gray: Pitfalls and Problem Solving for Subsolid Densities

L. Azour, MD, New York, NY
J.P. Ko, MD
W.H. Moore, MD

ER116-ED-X

Recognizing Unusual and Atypical Patterns of Ischemic Stroke in the ED

S. Han, MD, Ann Arbor, MI
J. Kim, MD
F.Q. Boucher, MD
O.S. Eissa, MD
M.F. Bazerbashi, MD
T.I. Alves, MD

GI134-ED-X

My Heart Sank to My Stomach! Cardiovascular Clues for Dealing with Disorders Affecting Abdominal Cavity: A Primer for Abdominal Radiologists

A.E. Stillman, MD, PhD
A.H. Davarpanahfakhr, MD, Atlanta, GA

GI166-ED-X

Imaging of Abdominal Wall Masses and Mass-like Lesions: What Radiologists Need to Know

D.H. Ballard, MD, Ballwin, MO
P. Mazaheri, MD
D.C. Oppenheimer, MD
M.G. Lubner, MD
P.J. Pickhardt, MD
C.O. Menias, MD

GI167-ED-X

Clinical, Imaging, and Pathologic Features of Conditions with Combined Esophageal and Cutaneous Manifestations

M.H. Lee, MD
M.G. Lubner, MD, Madison, WI
J.K. Peebles
M. Hinshaw
C.O. Menias, MD
M.S. Levine, MD

GI198-ED-X

Acute Mesenteric Ischemia (AMI): Understanding the Key Imaging Findings in the Context of Anatomy and Physiology

D.H. Kim, MD, Middleton, WI
M.G. Lubner, MD
L. Mankowski Gettle, MD
C.O. Menias, MD

HP107-ED-X

Starting a Contrast Enhanced Ultrasound Practice from Scratch: Tips and Lessons Learned

M.Z. Naveed, MD, Philadelphia, PA
S.J. Yoon, DO
S.K. Rodgers, MD
C.L. Kirby, MD

MK100-ED-X

Arch Enemies: Elevate your Knowledge of Adult Flatfoot Deformity

C. Mejia Gomez, MD
M. Fernandez Hernando
D.V. Flores, MD, Makati PHILIPPINES

MK111-ED-X

Preserving the Six-Pack: Multimodality Imaging Assessment of Abdominal Wall Injuries from Initial Injury Through Recovery

E.B. England, MD, Cincinnati, OH
C. Reed, MD
G. Stark, MD
A. Kuehn-Himmler
S.E. Braley, MD
K. Mehta, MD

MK200-ED-X

Pain in the Butt: Imaging Coccygeal Trauma and Coccydynia

M.R. Skalski, DO, San Jose, CA
G.R. Matcuk Jr, MD
D.B. Patel, MD
E.A. White, MD
A. Tomasian, MD
J.S. Gross, MD

MK287-ED-X

Handbook of Skeletal Muscle DTI for Beginners

T.M. Noguero, MD, Jaen SPAIN
R. Barousse, MD
I. Rossi, MD
M. Gomez Cabrera, MD
A. Luna, MD, PhD

MS102-ED-X

Vascularized Lymph Node Transfer: A Primer for the Radiologist

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K. Tran, MD
K. Patel

NM146-ED-TUB5

Our First Year with Gallium-68 DOTATATE PET/CT: Lessons Learned Through RAD-PATH Correlation and Potential Pitfalls

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J.A. Schroeder, MD
A. Niehaus, MD
W.J. Beuerlein, MD
W. Li, MD
A.V. Mikhailov

NR320-ED-X

Caution! Toxic and Metabolic Brain Disorders

A.M. Oliveira, MD
A.L. Bordini, MD
L.F. Godoy, MD
M.V. Paulino, MD, Sao Paulo BRAZIL

NR344-ED-TUA9

Extra-Nodal Extension in Head and Neck Cancer: How Radiologists Can Help Staging and Treatment Planning

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H. Kuno, MD, PhD
T. Nagaki, MD, PhD
K. Sekiya, DDS, PhD
S. Fujii, MD, PhD
R. Hayashi, MD, PhD

NR355-ED-THB10

The Hitchhiker's Guide to Idiopathic Normal Pressure Hydrocephalus: What the Radiologist Needs to Know

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P. Tsai, MD, PhD
C. Lu, PhD
S. Chiang, BS, MS
C. Chen, MD

NR357-ED-THA8

Genetics and Imaging of Thyroid Cancer: 2018 Update

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C. Bittles
R.C. Ortez, BS
A.V. Chesley, MD
M. Policarpio-Nicolas
N. Kaur, MD

OB185-ED-WEA1

Ultrasound Diagnosis of Fetal Anomalies in the First Trimester

C. Phillips, MD, Boston, MA
C.B. Benson, MD

PD149-ED-X

Multimodality Imaging of Skeletal Dysplasias: What the Radiologist Needs to Know

S.C. Shelmerdine, MBBS, FRCR, London UNITED KINGDOM
C. Hutchinson
A.D. Calder, BMBCH
N.J. Sebire
O. Arthurs, MBBChir, PhD

PD151-ED-X

The Role of the Radiologist in Newborn Bowel Obstruction

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P. Calvo Azabarte
S. Dieguez Tapias, MD
C. Villaspesa
A. Palomares, MD
R. Martin Crespo

PH120-ED-SUB6

How to Optimize Your DTI Acquisition for Spinal Cord Assessment: Physical Basis and Technical Adjustments

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M. Vallejo, MD
J. Royuela
P. Montesinos de la Vega
A. Luna, MD, PhD

UR152-ED-X

Next Generation Imaging in Advanced Prostate Cancer: An Overview

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A. Gogbashian, MD, FRCR
H.K. Sokhi, MRCS, FRCR
A. Lakhani, FRCR

UR162-ED-X

Nephrolithiasis Imaging with DECT in the Current Era: Hope or Hype?

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W. Foley, MD
P. Duvnjak, MD
M.O. Griffin Jr, MD, PhD
S.D. O'Connor, MD
A.P. Zorn, MD

VI174-ED-THB10

Contrast Enhanced Magnetic Resonance Lymphangiography for Various Thoracoabdominal Lymphatic Diseases

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D. Yang, MD
H. Yoon, MD
M. Kim, MD, PhD

Cum Laude

BR124-ED-X

MRI-Detected Breast Lesions: Comparison with Second-look US Using Real-time Virtual Sonography and Histopathological Findings

K. Nakashima, MD, Nagazumi JAPAN
T. Uematsu, MD, PhD
K. Takahashi, MD
S. Nishimura, MD
T. Sugino, MD

BR165-ED-SUA5

Hematopoietic and Connective Tissue Diseases of the Breast

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C.O. Menias, MD
C.M. Appleton, MD
M.V. Lee, MD

BR183-ED-MOB8

Two Faces Breast Cancer: Shooting the Enemy More Than One Time with Biopsy Gun to Unmask It

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L.P. Rodrigues, MD
E.C. Pessoa, PhD, MD
J.d. Veloso
G.B. Neves, MD
C.P. Pessoa, PhD, MD

BR188-ED-TUA7

Missed Breast Cancers: The Unconscious Bias in Breast Imaging

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R. Verma, MD
J.M. Seely, MD

CA144-ED-X

Update on Cardiovascular Devices

J. Telleria, MD

P. Rajiah, MD, FRCR

A. Patel, MD
L.A. Landeras, MD, Chicago, IL

CA172-ED-WEA8

Left Ventricular Outflow Tract: A Complete Review of Imaging Related Anatomy, Pathology, and Surgical Techniques

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S. Mori
F. Saremi, MD

CH126-ED-X

Micronodular Patterns on High-Resolution Chest CT

J. Kim, MD, Boston, MA
B. Dabiri, MD, PhD
M.M. Hammer, MD

CH136-ED-X

The Changing Face of Lung Cancer Treatment—Expected Imaging Appearances Following Modern Non-Surgical Treatments: What the Radiologist Needs to Know

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A.C. Jewison, MBBS, FRCR
J. Brock, MRCP, FRCR
J. Stokoe, MRCP, FRCR
N.D. Marchbank, MBBS
C. Sayer, MBBS, FRCR

CH158-ED-X

Thoracic Manifestations of Neurological Disorders: A Comprehensive Pictorial Review

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A. Gogna, MBBS
R.C. Chen, MD

CH200-ED-X

Update on Imaging of Non-Aortic Thoracic Vessel Tumors

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J. Li, MD
A. Mehta
K.G. Jordan, MD
A. Kandathil, MD
P. Rajiah, MD, FRCR

CH217-ED-X

Multimodality Imaging of the Extra-pleural Space: A Primer for the Radiologist

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L. Walker, MD
K. Ansari-Gilani, MD
R.C. Gilkeson, MD
A. Gupta, MD

CH220-ED-X

Staging the Gray Areas: Recognizing Defined Situations and Proposals for Undefined Scenarios in Lung Cancer Staging

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C. Sayer, MBBS, FRCR
A. Goldman, MBBS
J. Kowa, MBBS
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ER134-ED-X

Wooden Foreign Bodies and Penetrating Injuries

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C.K. Sandstrom, MD
J.A. Gross, MD, MS

ER162-ED-TUA4

Added Value of Dual Energy CT in Clinical Routine

A.D. Sodickson, MD, PhD, Boston, MA
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A.R. Keraliya, MD

GI131-ED-X

Gastric Carcinoma: Typically Unusual and Unexpected Metastasis

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GI150-ED-X

Abdominal Manifestations of Neurofibromatosis Type 1

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C.L. Siegel, MD

GI151-ED-X

Abdominal Wall Hernias Revisited: Imaging Approach, Classification and Treatment

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J.F. Forero, MD

A. Barrios, MD
G.E. Galvis, MD
O.M. Rivero Rapalino, MD

GI199-ED-X

Diagnostic Approach for Gastric Tumor, Focusing on Double Contrast Radiogram: Correlation Between the Radiological and Histopathological Findings

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T. Itoho
J. Takahama, MD
N. Marugami
R. Taiji
K. Kichikawa, MD

GI236-ED-X

Hepatocellular Adenomas: Understanding the Pathomolecular Lexicon, Imaging Features, Terminology, and Pitfalls to Inform a Standardized Approach (LI-RADS Benign Lesion Algorithm)

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M. Gagnon, MD
N. Yoneda
C.B. Sirlin, MD
T.A. Hope, MD
E.M. Hecht, MD

GI246-ED-X

Between a Rock and a Hard Place: Benign and Malignant Calcifications in the Abdomen

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R. Tsai, MD
A.S. Shetty, MD
D.M. Balfé, MD
Y.M. Mellnick, MD

GI264-ED-X

Abdominal Mucinous Neoplasms: Diving in the Mucin Pool

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M.M. Bezerra, MD
D.P. Rodrigues, MD
R.P. Polizio, MD
D.Z. Recchimizzi, MD
F.G. Velloni, MD

GI315-ED-WEB8

Multi-Energy CT of the Intestinal Tract: What the Radiologist Needs to Know

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Z.J. Wang, MD
S.C. Behr, MD
Y. Sun, BS, MSc
M.A. Ohliger, MD, PhD
B.M. Yeh, MD

IN105-ED-X

Necessity of 3D Imaging in Robot Assisted Surgical Kidney Resection: An Optimal Way to Provide Accurate Images

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R. Miyajima
S. Orita, RT

IN112-ED-X

Learning from Gamers: Multi-Button Mouse, Keypad and AHK Scripts as Tools to Simplify Complex Repetitive Tasks to Improve and Personalize Workflow

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P. Fang, MD
D.I. Cohen-Addad, MD
M. Sighary, MD

IN129-ED-X

Application of Deep Learning to Pancreatic Imaging – The Radiologists' Perspective

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S. Park
S. Kawamoto, MD
D. Fadaei Fouladi, MD
S. Shayesteh, MD
K.M. Horton, MD

IN130-ED-X

Bringing Breast Imaging to Life: How and Why to Incorporate 3D Printing into Your Practice

E.M. Arribas, MD, Houston, TX
B.E. Adrada, MD
D.M. Black, MD
M.E. Scoggins, MD
L. Santiago, MD

MI119-ED-TUA5

The ABCs of FACBC: Helpful Hints to Interpret FDA Approved Fluciclovine F-18 PET/CT For Prostate Cancer Recurrence

H.D. Tran, MD
T. Lu, MD, Philadelphia, PA

L.P. Adler, MD

MK170-ED-X Conventional and Advanced MRI for Sarcopenia Assessment

M. Vallejo, MD, Seville SPAIN
T.M. Noguero, MD
A. Cano Gomez
M. Gomez Cabrera, MD
M. Tienda Flores
A. Luna, MD, PhD

MK180-ED-X

Anatomical Considerations for Safe Biopsy of Extremity Osseous and Soft Tissue Lesions

A.M. Fischer, DO, Jacksonville, FL
P.L. Wasserman, DO
K.J. Taylor, MD
M. Agrait-Bertran, MD

MK195-ED-X

Applications of Dual-Energy Computed Tomography in Musculoskeletal Imaging

R.F. Batista Pereira, MD, Sao Paulo Brazil
S.R. Rocha, MD
R.O. Martins, MD
M.P. Correa
P.P. Helito, MD
M. Bordalo-Rodrigues, MD, PhD

MK198-ED-X

High-Resolution MR Imaging of the First Metatarsophalangeal Joint: Gross Anatomy, Histology, and Injury Characterization

J. Hallinan, MBChB, Singapore SINGAPORE
S. Statum
G.M. Bydder, MBChB
C.B. Chung, MD

MK206-ED-X

Nailed It! Everything You Always Wanted to Know About Orthopaedic Hip Screws and Rods (But Were Afraid to Ask)

D. Gedeon, MD, Orange, CA
K. Cheng, MD
A.A. Rudd, MD
M. Daun, MD
F. Rezaei, MD

MK210-ED-X

Pelvic Ring Sports Injuries: A Review of Anatomy, Mechanisms of Injury, and Injury Patterns

M.D. Li, MD, Boston, MA
W.E. Palmer, MD
C.Y. Chang, MD

MK223-ED-X

Pearls and Pitfalls for Soft Tissue and Bone Biopsies from Quaternary Orthopedic Oncology Referral Centers: A Cross-Institutional Review

R.D. Meek, MD, Portland, OR
B.R. Beckett, MD
M.K. Mills, MD
C.J. Hanrahan, MD, PhD
B.M. Wolf, MD
S. Schmahmann, MD

MK240-ED-X

The New Anatomy of the Rotator Cuff of the Shoulder

P. Michelin

RSNA 2018 Award Winners

CONTINUED FROM PREVIOUS PAGE

MS142-ED-X

Multisystem Imaging in Neurofibromatosis from Head to Toe: A Comprehensive State-Of-The-Art Review

*H. Rajebi, MD, San Antonio, TX
A.K. Singh, MD*

*A. Sunnappwar, MD
C.S. Restrepo, MD
A.J. Baxi, MBBS,DMRD*

MS167-ED-X

Amyloidosis: Multisystem Spectrum of Disease with Pathologic Correlation

*M.D. Sugi, MD, Scottsdale, AZ
C.O. Menias, MD*

*S.K. Venkatesh, MD, FRCR
V.S. Katabathina, MD
K.M. Elsayes, MD
M.G. Lubner, MD*

NM111-ED-X

Nuclear Medicine Myocardial Perfusion Studies: A Glance Beyond Coronary Abnormalities

*H.U. Shah, MBBS, MD, Seattle, WA
B. Sannanjanja, MD*

*M.C. Matesan, MD, PhD
C. Zacharias, MD
L.A. Soine, PhD, RN
J. Ahuja, MD, MBBS*

NM126-ED-X

Beyond a Needle and a Hot Spot: Biopsy of Osseous Lesions Identified on PET

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A. Packard, MD
A.N. Kurup, MD
M.A. Nathan, MD*

NR018-EB-X

The Varying Faces of Progressive Multifocal Leukoencephalopathy

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P. Shah, MBChB,MRCP
N.E. Fullerton, MD, PhD*

NR020-EB-TUA

Imaging Findings in Medication-Induced Changes of the Central Nervous System: What Radiologists Should Know

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K. Kudo, MD*

*N. Fujima, MD
H. Kameda
K. Tha, MBBS, PhD
Y. Korogi, MD, PhD*

NR118-ED-X

Can You Hear Me Now? Congenital and Acquired Causes of Sensorineural and Mixed Hearing Loss in Children

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B.L. Koch, MD
W.T. O'Brien, DO*

NR141-ED-X

Diff'rent Strokes, Younger Folks: An Image-Based Review of Ischemic Infarction in Young Adults

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L. Leung
C.W. Sitton, MD*

*A. Sarraj
W. Brinjikji*

NR159-ED-X

Radiological Approach for Depth of Invasion of the Oral Tongue Cancer Added in AJCC 8th Edition: Assessment of the Necessity of Elective Neck Dissection

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K. Ikeda, MD, PhD*

*N. Ogino
T. Mogami, MD
K. Hashimoto*

NR184-ED-X

Neuro-Ophthalmic Imaging in Cancer Patients

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T. Hiyama, MD
H. Kuno*

*A. Fujita, MD
N. Saito, MD, PhD
M.N. Chapman, MD*

NR268-ED-X

This Isn't Another Review of Choletestoma: Tips and Tricks from MDCT Basics to Advanced MRI Techniques

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C. Dietz*

*E. Aumente, MD
S. Canovas, MD
A. Luna, MD,PhD*

NR299-ED-X

A Pinch of Salt, A Dash of Pepper - A Tasteful Review and Update on Head and Neck Paragangliomas

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E.P. Lin, MD*

*J. Almast, MD
M. Chadha, MD, MBBS
S.K. Ellika, MD*

NR303-ED-X

Imaging Spectrum of Various Disease Entities Involving Fornix

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NR354-ED-WEB12

Don't Fall Asleep at the Wheel! A Practical Guide for Obstructive Sleep Apnea Syndrome (OSAS) Imaging Evaluation

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A.M. Goncalves Filho, MD*

*N. Da Silva JR, MD
M. Sarpi, MD
M.T. Garcia, MD*

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OB107-ED-X

Two for the Price of One: Not Always a Bargain!

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T.A. Morgan, MD*

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OB115-ED-X

Spectrum of Smooth Muscle Tumors in the Female Pelvis: Radiology-Pathology Correlation

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*N. Curci, MD
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OB170-ED-SUA2

The Fetus Unzipped: Understanding Anterior Body Wall Defects

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A. Ku, MD*

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PD001-EB-X

Put Your Best Foot Forward: Mastering Radiographic Evaluation of Congenital Foot Deformities

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PD104-ED-X

Vascular Anomaly Imaging Mimics and Differential Diagnoses

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PD139-ED-X

Imaging of Proptosis in the Pediatric Population: An 'Eye Popping' Pictorial Review

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M.H. Gabbai, MD*

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PD186-ED-TUB6

Rethinking ADEM: The Changing Landscape of Neuroinflammatory Disorders

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A. Yeh, MD*

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PH119-ED-SUA6

Technical Optimization of Contrast Enhanced Sequences in Central Nervous System: Making the Most for Every Single Gadolinium Drop

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L. Alcalá, MD*

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UR122-ED-X

The Urethra: Imaging and Surgical Approach for Common Pathologies

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J.P. Selph*

*M.E. Lockhart, MD
R. Sanyal, MD*

UR131-ED-X

Evaluation of Benign Prostatic Hyperplasia on Magnetic Resonance Imaging: Where Are We?

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B.J. Ribeiro, MD*

*A.d. Aranha, MD
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UR177-ED-SUA7

Pitfalls in the Interpretation of Adrenal Imaging

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J.H. Patel, MBBS, FRCR*

*N. Patel, MBBS,FRCR
I. Vlahos, MRCP,FRCR*

UR193-ED-THB8

MRI Findings of Obstructive Azospermia: Lesions In and Out of Pelvic Cavity

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*Y. Peng
Y. Guo, MD*

VI120-ED-X

Seeking the Pulse: Role of CT and MRI in Diagnosis and Monitoring of Takayasu Arteritis

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C.R. Bailey, MD*

*A. Hussien, MD
N. Malguria, MBBS, MD*

E.K. Fishman, MD

VI140-ED-X

Including the Excluded Segment: Indications, Tips, and Tricks for G-Tube Placement in the Gastric Remnant after Roux-en-Y Gastric Bypass

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K.B. Quencer, MD*

*A.R. Ibele, MD
R. Hardman, MD*

VI169-ED-WEB10

Portomesenteric Venous Complications After Pancreatic Surgery with Venous Reconstruction: Imaging and Interventional Therapies

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C.J. Fleming, MD*

*L. Yohanathan, MBBS
M. Truty*

*M. Kendrick
J.C. Andrews, MD*

Certificate of Merit

AI149-ED-WEB1

Quality Assurance for Crowdsourced Annotation of the Chest X-ray 14 Dataset for the RSNA-STR Machine Learning Challenge: How We Did It

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M.D. Kohli, MD*

*M.C. Godoy, MD, PhD
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BR105-ED-X

Multimodality Approach to the Nipple-Areolar Complex: A Pictorial Review and Diagnostic Algorithm

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O. Aparicio, MD*

BR115-ED-X

Diagnostic Breast Imaging and Interventions in the Age of Digital Breast Tomosynthesis: How We Do It

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M. Eghtedari, MD, PhD*

*R. Rakow-Penner, MD, PhD
V. Lim, MD*

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BR126-ED-X

A Multi-Modality, Case-Based Review of the 8th Edition AJCC Breast Cancer Staging and Prognosis Algorithm: The Why and How It Impacts Staging

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A. Clark, MD*

*D.A. Mankoff, MD, PhD
E.F. Conant, MD*

BR129-ED-X

A Standardized Approach and Lexicon for Effective Reporting of Breast Cancer MRIs Pre and Post-Neoadjuvant Chemotherapy

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S. Shah, MD*

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E.A. Morris, MD*

E.J. Sutton, MD

BR131-ED-X

Contrast-Enhanced Spectral Mammography (CESM): Lessons Learned from Early Clinical Implementation

*R.G. Roth, MD, Cherry Hill, NJ
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*A.S. Gittens, MD
P. Germaine, DO*

BR135-ED-X

Incidental FDG Uptake in the Breast: A "Hot" Topic

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P. Lotfi, MD*

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BR143-ED-X

Common and Uncommon Breast Lesions in Women Under 30: Clinical Presentation, Diagnosis, and Management

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*K.A. Merchant, MD
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BR144-ED-X

The Medical Student Experience: From Diagnosis to Treatment of Breast Cancer Improving the Medical Student Rotation in the Breast Care Center

*S.B. Thomas, DO, Pittsburgh, PA
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*M.S. Hartman, MD
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BR152-ED-X

The Wire and Beyond: A Review of Recent Advances in Breast Imaging Pre-Operative Needle Localization Technology

*M. Madhukar Kapoor, MD, Houston, TX
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BR153-ED-X

Inflammatory Breast Cancer: A Multimodality Approach

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*M. Delgado Marquez, MD
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BR154-ED-X

Metastasis to the Breast: Where Do They Come From?

*M.M. Da Costa, MD
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M.P. Viana, MD*

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BR160-ED-X

Beyond Ducts and Lobules: Imaging of Non-Epithelial Tumors of the Breast

*S. Moliere, MD, Strasbourg FRANCE
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BR177-ED-MOA8

Factors Affecting MRI Accuracy in Evaluating of Neoadjuvant Therapy Response in Breast Cancer: A Pictorial Review with Radiopathological Correlation

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BR185-ED-MOB10

You Sow What You Reap: Tumoral Needle Tract Seeding After Percutaneous Breast Biopsy

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BR189-ED-TUA8

Perceptive and Interpretive Pitfalls at Digital Breast Tomosynthesis (DBT) – Lessons from Continued Clinical Practice

S. Gaddam, MD, New York, NY

S.L. Heller, MD, PhD

Y. Gao, MD

BR194-ED-TUB9

Getting Acquainted with the Man(I) y Facets of the Lesser Known Male Breast: Lessons Learned From a 10-year Institutional Look-Back

*N. Swamy, MD, Little Rock, AR
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BR196-ED-TUB11

The Future Breast Imager: Understanding the Clinician's Perspective

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BR199-ED-WEA8

The Forgotten Male Breast: A Comprehensive Review of Male Breast Disease

*C.P. Fischer, MD, Santa Monica, CA
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BR206-ED-WEB9

A Wolf in Sheep's Clothing: Cancer Masquerading as a Benign-appearing Breast Mass

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BR207-ED-WEB10

Coming Out: Making Your Breast Imaging Center LGBT Friendly

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*H. Perry, MD
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*T.S. Mehta, MD, MPH
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BR210-ED-THA12

Genetic Testing for Hereditary Breast and Ovarian Cancer: A Primer for Radiologists

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F. Francois*

*N. Tirada, MD
G.R. Khorjekar, MD*

J. Scott

CA101-ED-X

RSNA 2018 Award Winners

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CH154-ED-X**Chronic/Persistent/Migratory Air-space Disease: Causes and Radiographic Findings**

K. Ansari-Gilani, MD, Cleveland, OH
K.R. Kalisz, MD
N. Rassouli, MD

CH162-ED-X**Interstitial Lung Disease of Inherited Origin: CT-Pathologic Correlation**

T.C. Franquet, MD, Barcelona Spain
J.R. Galvin, MD
T.J. Franks, MD
K. Lee
T. Johkoh, MD, PhD
J. Han

CH175-ED-X**Beyond T.B.: Non-Infectious Granulomatous Diseases of the Chest**

M. Naeem, MBBS, Saint Louis, MO
D.H. Ballard, MD
H. Jawad, MBBS
C.A. Raptis, MD
S. Bhalla, MD

CH203-ED-X**Early Stage Lung Cancer Therapy: What Every Radiologist Should Know**

C.I. Olivas Chacon, MD, Darby, PA
J.E. Mackey, MD
O. Teytelboym, MD

CH206-ED-X**TNM 8th Edition in the Staging of Lung Adenocarcinoma Spectrum: What the Radiologist Needs to Know**

D. Kaya, MD, Houston, TX
C.C. Wu, MD
G.S. Shroff, MD
C. Viswanathan, MD
M.T. Truong, MD
J.J. Erasmus, MD

CH215-ED-X**Advanced Imaging of Non-Tumoral Chest Diseases**

J. Broncano, MD, Cordoba SPAIN
A. Luna, MD, PhD
D. Vargas, MD
J.J. Erasmus, MD
C.A. Raptis, MD

CH221-ED-X**Clinical Aspects Relating to Acute Pulmonary Embolism Imaging**

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J. Hine, MBBS
K. Stefanidis, MD, PhD
S. Grubnic, MD
I. Vlahos, MRCP, FRCP

CH233-ED-X**Revising the Updated Multidisciplinary Approach to the Diagnosis of Idiopathic Pulmonary Fibrosis According to Fleischner White Paper: Case-Based Approach**

M.N. Benegas Urteaga, MD, Barcelona SPAIN
F. Hernandez
J. Sellares
C. Lucena
I. Vollmer
J. Ramirez, MD, PhD

CH234-ED-X**Thoracic Involvement in Collagen Vascular Disorders: A Pictorial Essay**

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V.C. Silva, MD
M.V. Sawamura, MD
T.R. Yamanari, MD
J.P. Moura Filho, BMedSc

CH235-ED-X**Diagnosis of Hypersensitivity Pneumonitis: Where Do We Stand Currently and Future Directions?**

K. Batra, MD, Coppell, TX
J.P. Kanne, MD
S. Sirignano, MD

CH238-ED-SUA6**Hybrid (CT and MR) 3D Printing Models in Chest Tumors: How I Do It Step-By-Step**

J. Broncano, MD, Cordoba SPAIN
A. Alvarez-Kindelan
J. Alarcon Rodriguez, MD
M. Sanchez-Alegre, MD
C. Simon-Adiego
J. Sanchez, MD, PhD

CH239-ED-SUB5**Radiologic Patterns of Immune Checkpoint Inhibitor-Associated Pneumonitis and Management According to 2018 ASCO Guidelines: A Primer for the Radiologist**

K.R. Kalisz, MD, Cleveland, OH
N.H. Ramaiya, MD
A. Gupta, MD

CH241-ED-MOA6**Bubbling Over: What Radiologists Should Look for Following a Positive Bubble Study**

J.A. Febbo, Chicago, IL
R.S. Gaddikeri, MD
H. Yepuri, MBBS
P.N. Shah, MD

CH242-ED-MOB6**MR Imaging of The Lung Pathology: Why and How?**

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A. Mozafarykhamseh, MD
H. Savas, MD
P.J. Lombardi, MD
F.H. Miller, MD
V. Yaghamai, MD

CH245-ED-TUA6**Radiomics in Lung Cancer: State of the Art**

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A. Ottavianelli, MD
J. Lenkiewicz
L. Calandriello, MD
A. del Ciello, MD
G. Cicchetti, MD

CH246-ED-TUA7**Imaging After Conventional and Stereotactic Body Radiation Therapy in the Thorax**

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L. Azour, MD
B. Cooper
B. Hutchinson, MBBS, MRCS
W.H. Moore, MD
J.P. Ko, MD

CH255-ED-THB7**Molecular Testing Guideline for the Selection of Patients with Lung Cancer for Treatment with Targeted Therapies as per ASCO 2018 Guidelines: Relevance for Radiologists**

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B. Somarouthu, MD, Boston, MA
K.R. Kalisz, MD
F. Alessandrino, MD
S. Tirumani, MBBS, MD
J. Jagannathan, MD

ER001-EB-X**Face the Facial Injuries!**

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P. Bhari Thippeswamy, MD, MBBS
S. Raghu Teja, MBBS, MD
A. N. V., MBBS, FRCP
K. Mikkineni, MD
R. Shanmuganathan, MS

ER113-ED-X**Absent/Abnormal/Reduced Flow in Testis: Thinking Beyond Torsion**

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L.F. Alexander, MD
M.P. Caserta, MD
S. Bhatt, MD, MBBS
D. Livingston, MBBS

ER114-ED-X**Emergency Cases Resulting from Fish Bone Ingestion**

S. Ichikawa, MD, PhD, Chuo-Shi JAPAN
U. Motosugi, MD
H. Onishi, MD

ER119-ED-X**“Under Pressure” - Lessons Learnt from Overlooked Diaphragmatic Injuries**

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D.A. Elias, MBBS
M. De la Hoz Polo, MD
L.M. Meacock, MBBS

ER124-ED-X**Pseudo-Trauma: Confounding Pre-Existing Pathologic Entities in Trauma Patients**

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J.A. Graves, MD
K. Archer-Arroyo, MD
K.D. Herr, MD
T.N. Hanna, MD

ER125-ED-X**Twists and Turns: An Interactive Guide to Common as Well as Unusual Torsion of Solid Organs and Bowel**

B. Hauck, MD
S. Bhatt, MD, MBBS, Rochester, NY
A. Bowman, MD, PhD
M.P. Caserta, MD
D.J. DiSantis, MD

ER126-ED-X**Suspected Cord Compression: An MRI Primer for ED Radiologist**

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H. Nandu, MD
D.B. Nunez Jr, MD, MPH
D.S. Titelbaum, MD
B. Khurana, MD

ER128-ED-X**Comprehensive Imaging Review of Renal Trauma**

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M.T. Vakil, MD
T.N. Hanna, MD
K. Archer-Arroyo, MD
J.C. Nguyen
K.D. Herr, MD

ER129-ED-X**Twist of Fate: Multimodality Review of Abdominal and Pelvic Torsion**

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A.G. Haboosheh, MD
S.S. Wang, FRANZCR, MBBS
D.S. Katz, MD
C.O. Menias, MD
M. Moshiri, MD

ER137-ED-X**Imaging Evaluation of Tracheo-bronchial Injuries**

K. Stefanidis, MD, PhD
J. Moser, MBChB, FRCP, London UNITED KINGDOM
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ER152-ED-X**How to Report Blunt and Penetrating Bowel Injuries: No Longer a Traumatic Experience!**

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R. Stephenson, FRCP
J. Kyaw-Tun, FRCP
S. Cross, MBChB, FRCP

ER159-ED-SUB4**Penile Emergencies: A Comprehensive Multi-Modality Imaging Review**

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A. Castilho, MD
C.N. Hoff, MD
C.O. Menias, MD
C.L. Siegel, MD

ER160-ED-MOA5**Dual Energy CT in Gastrointestinal Bleeding: Pearls and Pitfalls**

T. Agirlar Trabzonlu, MD, Chicago, IL
A. Mozafarykhamseh, MD
C.G. Wood III, MD
D. Kim, DO
J.M. Horowitz, MD
V. Yaghamai, MD

ER161-ED-MOB4**Abdominal Pain After ERCP: What Should We Look For?**

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R.D. Pellon, MD
J. Crespo Del Pozo
S. Sanchez Bernal, MD
E. Marin-Diez
E. Montes, MD

ER165-ED-WEB4**Dual-Energy CT: Added-Value in Trauma**

N. Murray, MD, Vancouver CANADA
E. Venalainen
S. Nicolaou, MD

GI101-ED-X**Primary and Secondary Sclerosing Cholangitis: A Practical Guide for Diagnostic Management Based on Imaging Patterns**

H.R. Dalla Pria, MD, Sao Paulo Brazil
L. Ferreira Bueno, MD
L.T. Senna, BMedSc
P.H. Silva
R.A. Santiago, MD
U.S. Torres, MD, PhD

GI102-ED-X**Challenges in Abdominal Vascular Disorders: A Pictorial Roadmap**

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G.P. Rodi, MD
I.R. Ramos, MD
S.L. Haiek, MD
R.A. Santiago, MD
F.G. Velloni, MD

GI103-ED-X**Genetics and Imaging of Inflammatory Bowel Disease: 2018 Update**

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L. Daftariresheli, MD
O. Khan
A. Su, BS
H. Rajebi, MD
V. Tammisetti, MD

GI107-ED-X**Get Up and Scan! A Radiology Resident's Roadmap for the Basic Ultrasound Scan**

T. Yu, MD, Baltimore, MD
A. Wnorowski, MD
B.F. Lane, MD
J.J. Wong-You-Cheong, MD

GI113-ED-X**Pancreatic Neuroendocrine Tumor: A Pictorial Review with MRI Emphasis**

J. Lewis, MD, Jacksonville, FL
C.W. Bolan, MD
L.F. Alexander, MD
J. LeGout, MD

GI116-ED-X**CT Gastrography for Gastric Tumors: What is the Current Role?**

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Y. Nishimuta
T. Muraki
Y. Asayama, MD
H. Honda, MD

GI123-ED-X**A Diversity of Imaging Findings in Gastrointestinal Stromal Tumor: What is Characteristic Finding?**

A. Inoue, MD, PhD, Higashiomi-city JAPAN
A. Furukawa, MD, PhD
S. Ota, MD, PhD
M. Yamasaki, MD
N. Nitta, MD
K. Murata, MD

GI132-ED-X**Cystic Hepatic Lesions: Diagnostic Pearls and Pitfalls in CT and MR Imaging**

B. Molinares, MD
C. Restrepo Lopera I, MD, Medellin COLOMBIA
C.P. Huertas, MD
V. Garcia, MD
L.G. Pulgarin, MD

GI141-ED-X**How to Avoid Misdiagnosis of Malignant Liver Tumors? Tips and Pearls on Interpreting Abdominal CT**

H. Nakai, MD, Kyoto JAPAN
S. Arizono, MD, PhD
H. Isoda, MD
K. Togashi, MD, PhD

GI142-ED-X**What to Look For? Post-Cholecystectomy**

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C.P. Huertas, MD
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GI144-ED-X**Intra-Abdominal Free Gas—Where Did It Come From? How to Determine the Site of Perforation Using Peritoneal Anatomy**

J.E. Bretherton, MA, MBBS, London UNITED KINGDOM
B. Musaddaq, MBBS
S. Shah, MD
C. Elliott, FRCP, MBBS
A.H. Brown, MBChB
K.L. Planche, MRCP, FRCP

GI155-ED-X**Cystic Pancreatic Lesions: Understanding Imaging Features and Pathologic Findings**

A. Tamura, MD, Morioka JAPAN
K. Ishida, MD, PhD
K. Kato, MD
S. Ehara, MD

GI159-ED-X**A is for Amyand to Z is for Zenker: Eponyms in Abdominal Imaging**

D.A. Baumgarten, MD, MPH, Decatur, GA
L.F. Alexander, MD
J. LeGout, MD
M.A. Desai, MD, PhD
M.J. Applebaum, DO, MS
J. Zhang, BS, PhD

GI164-ED-X**Hepatic Venous Congestion in Living-Donor Liver Transplantation: Review of Ultrasound and CT findings**

H. Wang, MD, Taipei TAIWAN
Y. Lin, MD
Y. Lai, MD
H. Chiou, MD
Y. Chou, MD

GI175-ED-X**Complications After Orthotopic Liver Transplant Caused by Pre-Existing Pathology: How to Diagnose, Treat, and Potentially Prevent**

M.M. Horrow, MD, Philadelphia, PA
M. Callaghan, MD
S.K. Rodgers, MD
M.L. Huynh, MD

GI180-ED-X**Peritoneal Infiltration: Unusual Etiologies and Imaging Appearances**

\D. Rodriguez-Vargas, MD, Seville SPAIN
M. Parada-Blazquez, MD
L. Gomez-Izquierdo, MD
B. Vargas-Serrano, MD

GI182-ED-X**Unusual and Tricky Abnormalities in the Plain Abdominal Films: Interactive Presentation**

N. Nakrour, MD
T.R. Gates, MD
A.I. Carbo, MD, Shreveport, LA

GI205-ED-X**The Many Faces of Cholangiocarcinoma: A Radiologic-Pathologic Correlation**

R. Cannella, MD, Pittsburgh, PA
M. Minervini, MD
A. Borhani, MD
A. Furlan, MD

GI217-ED-X**A New Look for an Old Problem: MRI Findings of Acute Cholecystitis and Its Complications**

E. Zalaquett, MD, Santiago CHILE
C.O. Menias, MD
A. O'Brien, MD
O.A. Enriquez SR, MD
S. Yevenes Aravena, MD
A. Huete Garin, MD

GI219-ED-X**Don't Bust a Gut: Spectrum of Bowel Contents and Their Complications**

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M.H. Scheinfeld, MD, PhD
A. Parikh, MD
O. Jamil, MD
R.J. Dym, MD

GI220-ED-X**The Problematic Pouch: An Interactive Review of Ileo-Anal Pouch Anastomosis Complications**

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C. Huang, MD
J.M. Ream, MD
M.T. Tafjel, MD

GI221-ED-X**Multi-Modality Imaging of Small Bowel Wall Thickening Beyond Inflammatory Bowel Disease: What Radiology Residents and Fellows Need to Know**

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M.A. Ebada, FRCP, MD, Columbia, MO
N. Thimmappa, MD
P.S. Liu, MD
C.O. Menias, MD
A.S. Abdelaziz, MD

GI228-ED-X**Crohn's Disease and Beyond - Evaluation of Small Bowel Pathology with Ultrasound**

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J.H. Patel, MBBS, FRCP
J.M. Pilcher, MBBS

GI231-ED-X**Demystifying Extraperitoneal Pelvic Spaces and Their Lesions**

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F.R. Ferreira
C.D. Leite, MD, PhD
F.P. Pereira, MD
P.C. Viana, MD

GI259-ED-X**Hematologic Malignancies of the Gastrointestinal Luminal Tract**

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K.M. Elsayes, MD, Ann Arbor, MI
A.C. Morani, MD

P.J. Pickhardt, MD
V.M. Mellnick, MD
A.M. Shaaban, MBBSCh

GI262-ED-X**Cystic Pancreatic Lesions and Clinical Management: A Pictorial Review Based on Recent Guidelines and Expert Opinions**

D.d. Romao, MD, Sao Paulo Brazil
G.M. Cavalcante, MD
D.F. Vieira Vendramini
R.B. Taveira, MD
A.O. De Sousa, MD
G.R. Camerin, MD

GI270-ED-X**The Added Value of Liver Imaging Modalities in the Pre-Operative Evaluation of Hepatocellular Carcinoma, Cholangiocarcinoma, and Colorectal Liver Metastasis**

C.B. Leite, MD, Sao Paulo BRAZIL
I.d. Alves, MD
C.V. Oliveira, MD
N.F. Guerreiro, MD
P.C. Viana, MD
N. Horvat, MD

GI271-ED-X**Case-based Review of Imaging in Complex Pelvic Exenterative Surgery Using 3D Modelling**

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J. Fletcher
J.H. Patel, MBBS, FRCP
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R. Ilangovan, MD, FRCP

GI275-ED-SUB6**An Illustrated Guide to Gastrointestinal Surgical Procedures for Radiologists**

A.R. Cherukuri, MD, Madison, WI
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GI296-ED-THB12

Review of Perianal Fistula Disease, Treatment and Utility of 3D Modelling to Aid Understanding and Training

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GI314-ED-WEB7

Liver MR Elastography Technique and Interpretation: Pearls and Pitfalls

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S.K. Venkatesh, MD, FRCR
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GI321-ED-THA10

Endoscopic Necrosectomy in the Management of Necrotizing Pancreatitis: What the Radiologist Needs to Know

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M.A. Winkler, MD
R.T. Nair, MD
A.A. Dawkins, MD
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GI322-ED-THA11

Hereditary and Sporadic Pancreatic Adenocarcinoma: 2018 Genetics and Imaging Update

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V.S. Katabathina, MD
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A.K. Dasyam, MD

HP104-ED-X

Shared Decision Making: A Primer for the Busy Radiologist

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HP108-ED-X

IV Contrast Agent Administration in Pregnant and Lactating Patients - What Do You Need to Know

A.T. Laroia, MD, Iowa City, IA
M. Kwofie, MD, PhD
H. March, MD
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HP109-ED-X

Lessons from the Past: An Overview of Tumor Response Criteria

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C.A. Sadow, MD
A.D. Van den Abbeele, MD
G.J. Harris, PhD

HP120-ED-SUA4

Quality Measure Development, Implementation, and Future Needs: A Primer

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S.B. Patel, MD
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HP122-ED-TUB6

'Imaging' the Current State of Patient Experience and Imagining the Future State

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S. Saini, MD

IN012-EB-X

Design Methods of 3D Printed Patient Specific Vascular Phantoms for Device Testing, Endovascular Treating Planning, and Residency Training

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M.F. Wilson
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IN100-ED-X

Robotic Process Automation: Go Beyond Artificial Intelligence in the Radiology Department

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M. Nishioka, MD
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IN106-ED-X

3D Printed, Virtual Reality, or Augmented Reality Urological Cancer Models: What Works Best, When, and Why?

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K.U. Park, MS
W.C. Huang, MD
S.S. Taneja, MD
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IN109-ED-X

The First Step of Texture Analysis: How to Create Grey Level Co-Occurrence Matrix (GLCM) and Calculate Six Texture Measures

S. Funaki, Toon JAPAN
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T. Mochizuki, MD

IN118-ED-X

Managing Cognitive Load in Multimedia Presentations: Reducing Extraneous Processing

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IN132-ED-X

Supervised vs. Unsupervised Machine Learning for Radiologists in a Nutshell

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H. Prosch, MD
J. Hofmanninger
F. Prayer, MD
J. Pan
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IN141-ED-SUB1

Blockchain Technology: Principles and Applications in Radiology

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IN144-ED-MOA1

Application of Radiomics in Pancreatic Imaging – Current Status and Future Directions

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S. Kawamoto, MD
D. Fadaei Fouladi, MD
S. Shayesteh, MD
K.M. Horton, MD

MI116-ED-SUB5

Hybrid Multiparametric 3 Tesla PET/MRI in Pelvic Malignancies: From Protocol Design to Clinical Application

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J.B. Ashman, MD, PhD
K.A. Butler, MD, MS
A. Kawashima, MD, PhD

MI117-ED-MOA4

Pancreatic Neuroendocrine Tumors (pNETs) Recognized in New AJCC Staging System 8th Edition: What Radiologists Need to Know

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T.J. Waits, MD
A. Chauhan
L. Anthony, MD
M. Oates, MD
R.H. El Khouli, MD, PhD,
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MK104-ED-X

TB or Not TB: Imaging Features of Musculoskeletal Tuberculosis

D.V. Flores, MD, Makati PHILIPPINES

MK107-ED-X

Ankle Instability in Sports: Anatomy, Imaging Approach, and Treatment

A. Perez, MD, Barcelona SPAIN
L. Cerezal, MD
J. Mota, MD, PhD
A. Cruz, MD
F. Idoate, MD
I. Iriarte

MK116-ED-X

Dealing with a Pain in the Butt: Ultrasound-Guided Musculoskeletal Intervention of the Hip

J.I. Blaichman, MD, FRCP, New Westminster CANADA
B.Y. Chan, MD
P. Michelin, MD
K.S. Lee, MD

MK117-ED-X

Treating Pain with a Little In-"Genu"-ity: Ultrasound-Guided Musculoskeletal Intervention of the Knee and Ankle

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B.Y. Chan, MD
P. Michelin, MD
K.S. Lee, MD

MK118-ED-X

Posterior Tibial Tendon Dysfunction: Sonographic Guided Evaluation and Treatment Options

J.K. Kim, BS, DO, Detroit, MI
P. Williams, MD
P.J. Spicer, MD
S.B. Soliman, DO

MK141-ED-X

Don't Paralyze! A Pocket Guide for Musculoskeletal Surveillance in Patients with Cerebral Palsy

T.A. Murakami, MD, Sao Paulo BRAZIL
L.B. Ferreira, MD
A.Y. Aihara, MD
A. Rosenfeld, MD
C.H. Longo, PhD, MD
P.R. Kanaji, MD

MK142-ED-X

Everything You Want to Know About Chondromyxoid Fibromas! From Typical to Atypical and Its Differentials

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I.R. Oliveira, MD
A. Paz
E.J. Ishida, MD
C.K. Yamaguchi
G. Pozzan, MD

MK146-ED-X

Pitfalls, Anatomical Variations, and Artifacts in Shoulder MRI: Frequent Causes of Overcall!

P.C. Kuenzer Goes, MD, Sao Paulo BRAZIL
A.Y. Aihara, MD
F.N. Cardoso, MD

MK153-ED-X

Quadriceps Femoris Muscle Complex Imaging Anatomy: It Keeps Going, Going, and Going...

R. Britel, Palma de Mallorca Spain
L. Muntaner-Gimbernat, MD, PhD
A. Rodriguez-Baeza
A. Kassarian, MD
I. Monge-Castresana
C. Rissech-Badallo

MK156-ED-X

Sonographic Evaluation of Peripheral Nerve Pathology: A Review of the Pathophysiology, Imaging Features, and Differential Diagnoses of Commonly Encountered Traumatic, Entrapment and Neoplastic Mononeuropathies

S. Mallon, MD, Detroit, MI
V. Starcevic, MD
M.C. Rheinboldt, MD
A.M. Petraszko, MD
Z.S. Delproposto, MD

MK160-ED-X

Focal Lesions of Vertebral Body: Systematic Approach with Valuable Tips

A.C. Neto, MD, Sao Paulo BRAZIL
A.P. Ferreira, MD
S. Rosenberg, MD
A.A. Urbanetz, MD
R.F. Nunes, MD
P.R. Silva, MD

MK164-ED-X

Imaging Review of Tumors and Tumor-Like Lesions of the Wrist

M.M. Santos, MD, MBA
E. Llopis, MD
C. Mejia Gomez, MD
D.V. Flores, MD, Makati PHILIPPINES

MK166-ED-X

Incidental or Life-threatening? A Case-based Review of Osteochondroma Related Pathology from Mechanical Complications to Malignant Degeneration

C.A. Henry, MD, Portland, OR
B.G. Hansford, MD
B.R. Beckett, MD
B.M. Wolf, MD

MK174-ED-X

The Unfolded Rib View: Promises and Challenges

N.M. Doshi, MBBS, MD, Mumbai INDIA
P.S. Sanghavi SR, DMRD
B.G. Jankharia, MD

MK175-ED-X

Frozen Hip: Don't "Let It Go"

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A.Y. Aihara, MD
C.H. Longo, PhD, MD
R.N. Filho, MBBS
M.M. Moreira, MD
B.S. Carleial, MD

MK177-ED-X

Soft Tissue Vascular Malformations: Classic and Unusual Appearance

A.L. Falkowski, MD, Basel SWITZERLAND
V. Kalia, MD, MPH
J.A. Jacobson, MD
A. Hirschmann, MD
O. Magerkurth, MD

MK181-ED-X

The Dark Side of Soft Tissue Tumors: A Review of 'Determinant' MRI Hypointense Soft Tissue Lesions

H. Sellers, BS, Temple, TX
R.D. Garza-Gongora, MD
D.S. Young JR, BS
J.D. Stevens, MD

MK182-ED-X

Stuck in the Middle: Imaging Overview of the Midtarsal Chopart Joint

Z. Doyle, Stanford, CA
M. Nguyen, MD

MK192-ED-X

It's Not a Tumor! A Review of Common Bone Tumor Mimickers

A.A. Rudd, MD, Garden Grove, CA
M. Daun, MD
K. Cheng, MD
D. Gedeon, MD
F. Rezai, MD

MK201-ED-X

Pubalgia and Pubic Dysfunction: Anatomy, Multidisciplinary Approach, and Therapeutic Management

E. Montes, Santander Spain
M. Fernandez Hernando
L. Cerezal, MD
F. Abascal Abascal

MK202-ED-X

Postmortem Imaging of the Cervical Spine Injuries

Y. Makino, MD, Tokyo JAPAN
H. Yokota, MD
T. Horikoshi, MD
H. Mukai
S. Hattori
M. Yoshida, MD

MK217-ED-X

Quantitative Dynamic Contrast-Enhanced Ultrasound and Magnetic Resonance Imaging for the Evaluation of Synovitis and Treatment Response in Inflammatory Arthritis

G.R. Matcuk Jr, MD, Los Angeles, CA
J.S. Gross, MD
P.R. Chhibar, MD
B. Kenol, MD
M. Franco
B. Desai, MBBS, MS

MK226-ED-X

Skeletal Dysplasias Made Simple

L.L. Faria, MD, Juiz de Fora Brazil
F.D. Marsolla, MD
F.A. Bezerra SR, MD
G.A. Bandeira, MD
T.L. Matuki, MD
D.Y. Otto

MK235-ED-X

Sorting the Pathology Jargon-Rad Path Correlation of Common Soft Tissue Sarcomas

G. Bajaj, MD, Little Rock, AR
M.K. Whisman, MD
A.V. Jagadale, MD
R. Ram, MD
K. Jambhekar, MD
J.M. Gardner, MD

MK242-ED-X

No More Tears: A Review of Pediatric Musculoskeletal Infection and Its Mimics

K.R. Wilson, MD, Lexington, KY
A.D. Fain, MD
J.R. Montgomery, MD
P.J. Spicer, MD
F.D. Beaman, MD

MK259-ED-X

Post Treatment Imaging of Soft Tissue Sarcomas

A.U. Kudla, MD, Boston, MA
J. Nimhuirheartaigh, MBBS
J.S. Wu, MD

MK261-ED-X

When the Cure Mimics the Disease: Surgical Findings Misinterpreted as Pathology on Musculoskeletal Radiographs

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B. Kiani, MD
M. Torabi, MD
J. Powell, MD
L. Lenchik, MD
S.D. Wuetzer, MD, MS

MK263-ED-X

How Can MSK Ultrasound Help the Hand Surgeon?

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H.T. Christy, MD
J. Garrett, MD
A.T. Haritha, MD
G.P. Sangster, MD
A.A. Simoncini, MD

MK264-ED-X

Knee Injuries in Pre-Adolescent Children: MRI - Arthroscopy Correlation

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C. Ferguson
B. Kiani, MD
L. Lenchik, MD
J.C. Black, MD
S.D. Wuetzer, MD, MS

MK273-ED-X

Musculoskeletal Biopsy 101: From Pre-Procedural Planning to Post Procedure Care

H. Hunt, MD, Cleveland, OH
A. Gholamrezaezhad, MD
J.M. Nesheiwat, MD
R. Hayeri, MD

MK277-ED-X

Role of Imaging in Temporomandibular Joint Inflammation and Arthropathy in Children

R. Hayeri, MD, Cleveland, OH
A. Gholamrezaezhad, MD

MK286-ED-X

Case-Based Approach to Image-Guided Musculoskeletal Biopsies: A Primer for Residents

M. Naeem, MBBS, Saint Louis, MO
J.R. Long, MD
J.W. Jennings, MD
T.J. Hillen, MD
J.C. Baker, MD

MK292-ED-X

Flex Your fingers

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E. Montes
A. Canga, MD
A. Perez, MD
M. Fernandez Hernando
F. Del Pinal, MD, PhD

MK301-ED-X

MRI on Knee Cartilage Repair Surgery – A Step-By-Step for Beginners

A.R. Souza, MD, Sao Paulo BRAZIL
A.A. Castro, MD
E. Kaiser Ururahy Nunes Fonseca, MD
L.M. Nunes, MD
E. Baptista, MD
L. Hartmann, MD

MK303-ED-X

Dual-Energy CT Imaging of Gout: Beyond the Diagnosis

W. Wong, Vancouver CANADA
L.J. Louis, MD
W. Abdellatif, MD
J.P. Walsh, MBChB
G.M. Sugrue, MBBS
S. Nicolaou, MD

MK311-ED-X

The Lumbar Lexicon: An Imaging Review for Proper Lumbar Disc Nomenclature

J. Hawayek, San Juan, PR
S.C. Torres Ayala, MD
J.R. Ortiz-Cruz, MD
L.C. Figueroa Diaz, MD
J. Atilas-Castro, MD
L.F. Garcia-Paredes, MD

MK316-ED-X

Vertebral Columns: A Practical Spine Lesions Guide for Residents

M. Bayouth Padial, MD, Sao Paulo BRAZIL
A.A. Castro, MD
E. Kaiser Ururahy Nunes Fonseca, MD
D.D. Santos, MD
L.A. Rosenberg, MD

MK329-ED-X

MR Imaging of Superior Capsular Reconstruction for Irreparable Cuff Tears - No Bridges Burned! What the Radiologist Needs to Know

D.F. Lemos, MD, Burlington, VT

M. Kumaravel, MD, FRCR
M.M. Samim, MD, MRCS
L.S. Beltran, MD
S. Gyftopoulos, MD
W.P. Pennington, MD

MK337-ED-X

Stranger Views: Making Sense of Uncommonly Orders Projections in Musculoskeletal Radiography

P. Kobes, DO, Manhasset, NY
H. Allen, MD
C.J. Hanrahan, MD, PhD
R.L. Leake, MD
Z. Berg, MD

MK341-ED-X

Talgia: The Wide Spectrum of Heel Pain—Diagnosis and Imaging Findings

F. Caillava, Buenos Aires ARGENTINA
I.J. Volpe, MD
A.F. Gonzales Nogales, MD, PhD
G.H. Aguilar, MD
I. Rossi, MD

MK343-ED-SUB6

Soft Tissue Calcification - An Interactive Pictorial Quiz

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T. Puttick I, MBBS
J.S. Kho, MBBS
A. Daghir, MRCP, FRCR
D. Yu, MBBS

MS115-ED-X

Exogenous Materials in Abdomen and Pelvis: Who Are They?

D. Pachani, MD, SAO PAULO BRAZIL
F.G. Velloni, MD
R.F. Romano, MD
F.M. Coelho, MD
R. Blasbalg, MD

MS116-ED-X

Technical Restrictions and Artifacts in Shear Wave Elastography (SWE)

P. Bouchet, Besancon FRANCE
M. Aillet, MD
M. Carie
J. Gennison, MD, PhD
S.L. Aubry, MD, PhD

MS121-ED-X

IgG4-Related Disease in the Abdomen and Pelvis: Atypical Findings, Pitfalls, and Mimics

A.H. Gaballah, MD, FRCR
C. Waranch, Columbia, MO
C.O. Menias, MD
A.M. Shaaban, MBBS
M.M. Al-Hawary, MD
A.S. Abdelaziz, MD

MS123-ED-X

Invasive and Non-invasive Fungal Infections in Solid Organ Transplant Recipients: Imaging Spectrum from Head to Toe

N.P. Ghonge, MD, New Delhi INDIA
A.K. Sahu, MBBS, MD

MS127-ED-X

Flaps MRI After Reconstructive Oncologic Surgery: DWI as an Imaging Biomarker for Tumor Recurrence

V. Bura, MD, Jacksonville, FL
S.C. Faria, MD
D. Kammaniraja, MD
R. Pintcan, MD
P.R. Bhosale, MD
S. Sharma, MBBS

MS131-ED-X

Imaging of Lymphedema: A Primer for Radiology Residents

J.B. Vogler, MD, Norfolk, VA
J. Revels, DO
S.S. Wang, FRANZCR, MBBS
F.B. Lazarow, MD
L.S. Johnson, MD, PhD
O. Kolokythas, MD

MS138-ED-X

Typical and Atypical Manifestation of "Schwannoma": Multimodality Imaging and Differential Diagnosis

K. Minamiguchi, Kashihara Japan
J. Takahama, MD
N. Marugami
R. Taiji
T. Tachiiri
T. Miyasaka, MD

MS146-ED-X

Tumor Induced Osteomalacia: A Guide for Diagnostic Work Up and Pictorial Review of Imaging Findings

P. Devi, MBBS, Mumbai INDIA
S. G, MBBS, MD
S. Singh, MBBS
A. Janu, MBBS, MD
A.S. Kawthakar, MBBS, MD
A.S. Lautre, MD

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RSNA 2018 Award Winners

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MS171-ED-X
Adverse Reactions to Cancer Immunotherapy and the Emerging Role of the Radiologist

M.G. McKeague, MD, Pittsburgh, PA
J.S. Mueller, MD
T.J. Mickus, MD
M.L. Miller, PhD
A. Sandhu, MD
G. Finley

MS175-ED-X
Multimodality Imaging Spectrum of Desmoid-Type Fibromatosis Tumors and Associated Syndromes and Genetics

S.C. Faria, MD, Houston, TX
T.L. Sagebiel, MD
C.E. Devine, MD
S.B. Elsherif, MD
V. Bura, MD
C.G. Lall, MD

MS178-ED-X
Extraosseous Multiple Myeloma: Spectrum of Multimodality Imaging Findings and Genomics

S.C. Faria, MD, Houston, TX
V.L. Cox, MD
S.B. Elsherif, MD
M. Patnana, MD
V. Bura, MD
C.G. Lall, MD

NM003-EB-M0B**Signs and Artifacts in Amyloid PET Imaging**

T. Lundeen, MD, Tucson, AZ
P. Kuo, MD, PhD
M. Covington, MD
N. Eshghi, MD, PhD
J. Seibyl, MD

NM100-ED-X**A Pictorial Review of Arthritis on FDG-PET/CT: Key Features and Uptake Patterns for Differential Diagnosis**

M. Hotta, Shinjuku Japan
R. Minamimoto, MD, PhD
T. Tajima, MD, PhD
T. Noguchi, MD, PhD
Y. Shida, MD
T. Okafuji, MD

NM102-ED-X**“Wild & Crazy” Musculoskeletal Scintigraphy - The Bones and Beyond: A Quiz-based Approach**

A.M. Romesberg, DO, Lexington, KY
A.A. Faraq, MD
R.H. El Khouli, MD, PhD
M. Oates, MD

NM103-ED-X**Imaging of Merkel Cell Carcinoma: What Imaging Experts Should Know**

G. Akaike, MD, Seattle, WA
T. Akaike, MD
K. Lachance, MS
P. Nghiem, MD, PhD
S. Behnia, MD

NM113-ED-X**Many Hands Make Light Work—^{99m}Tc-MDP Bone SPECT/CT Scintigraphy of the Hands and Wrists: Pearls and Pitfalls**

R. Mandegaran, MBBS, London UNITED KINGDOM
H. Ilyas
A. Desai, MRCP, FRCP
S. Vijayanathan, MBBS
C. Fowler
A.E. Eccles, MBBS, FRCP

NM116-ED-X**Clinical PET Imaging in Pediatric Brain Tumors**

Y. Yamamoto, MD, PhD, Kagawa JAPAN
T. Norikane
Y. Nishiyama, MD

NM121-ED-X**Pearls and Pitfalls of PET/CT in Infection and Inflammation: Be Aware!**

L. Farias, MD
I.G. Padilha, MD, Sao Paulo BRAZIL
D.C. Menezes, MD
M.L. Soares, MD
R.M. Fernandes, MD
Y.B. Costa, MD

NM127-ED-X**Non-Prostatic Diseases on PSMA-PET Imaging: A Spectrum of Benign and Malignant Findings**

M.A. Queiroz, MD, Sao Paulo Brazil
F.D. Barbosa, MD
R.F. Nunes, MD

E.C. Zaniboni, MD

L.B. Costa, MD

J.F. Marin, MD

NM129-ED-X**⁶⁸Ga-DOTATATE PET Neuroimaging: A Case-Based Pictorial Review**

F.M. Zhu, MD, PhD, St. Louis, MO
M.R. Ponisio, MD

NM140-ED-X**The Peritoneum: What Nuclear Radiologists Need to Know**

M.S. Bermo, MD, Seattle, WA
M. Kumar, MD
B. Koppula, MBBS
A. Leblond, MD
M.C. Matesan, MD, PhD

NR101-ED-X**Cavernicolous Pathologies of the Cervical Sinus**

N. Shekhrjaka, MBBS, MD, New York, NY
K.A. Modi, MBBS
G. Moonis, MD

NR106-ED-X**No Small Matter: Evolving Concepts of Sporadic Cerebral Small Vessel Disease and Implications for the Radiologist**

L. Chan, MD, Boston, MA
N. Spittler

G.A. Curaudeau, MD

K. Buch, MD

M. Lanfranchi, MD

NR111-ED-X**All-You-Can-See: Dynamic Volume Scan for Cerebral Infarction using 320-Detector-Row CT**

Y. Matsuzaki, RT, Suita JAPAN

A.K. Kono, MD, PhD

S. Morikawa

M. Inoue, MD

A. Kotoku, MD

Y. Watanabe, MD

NR112-ED-X**Different Types of Post-Contrast 3-Dimensional T1-Weighted Sequences in Neuroradiology: Do Their Differences Matter?**

S. Prakkamakul, MD, Bangkok THAILAND

S. Kongpromsuk, MD

N. Pitakvej, MD

K. Jakchairoongruang, MD

N. Jittapiromsak, MD

NR114-ED-X**Neurological Complications of Immunotherapy**

D. Schiess, MD

A.K. Agarwal, MD, MBBS, Dallas, TX

B.R. Shah, MD

K.M. Raj, MD

J.A. Maldjian, MD

NR122-ED-X**Post Traumatic Visual Loss: An Unusual Consequence of Cranial and Thoracic Trauma**

L. Ibanez, MD, Madrid SPAIN

P. Martin, MD

E. Salvador, MD

P.A. Encinas Escobar, MD

J. Garcia Prieto, MD

NR123-ED-X**Abnormalities of the Cauda Equina in Adults: Imaging Review & Case Based Approach to Diagnosis**

S.G. Dua, MD, Chicago, IL

R. Zaman, MD

M.N. Alberawi, MBBS

P. Minhas, MBBS

S.H. Bhabad, MD, FRCP

M.D. Jhaveri, MD

NR129-ED-X**Eye Catching and Head Turning Devices: A Pictorial Review of Surgically Implanted Objects Encountered on Head Imaging**

I.L. Saramago, MD, Chapel Hill, NC

B.Y. Huang, MD, MPH

NR132-ED-X**Multimodality Imaging Characteristics of HPV-Related Oropharyngeal Squamous Cell Carcinoma: Morphologic Radiologic Features and Quantitative Parameters**

H. Yamauchi, MD, Minato-ku JAPAN

A. Baba

H. Ojiri, MD

Y. Kubo, MD

K. Ikeda, MD, PhD

N. Ogino

NR135-ED-X**Pseudocontinuous Arterial Spin Labeling: Clinical Applications and Usefulness in Head and Neck Entities**

M. Umino, MD, Tsu JAPAN

M. Maeda, MD

K. Inoue

R. Nakayama, PhD

Y. Nomoto

H. Sakuma, MD

NR136-ED-X**Trigeminal Nerve: From Simplified Anatomy to Complex Pathologies**

A.F. Vieira SR, MD, Sao Paulo BRAZIL

U. Passos, MD

L.N. Silva, MD

W.W. Kleina SR, MD

L.F. Godoy, MD

E.M. Gebrim, MD

NR137-ED-X**Enjoy the Delicacy of Temporal Bone: From Embryology to Pathology—Part I: Embryology and Congenital Ear Abnormalities**

S. Byun, MD, Bucheon KOREA, REPUBLIC OF

J. Lee, MD

H. Hong, MD, PhD

J. Oh, MD

NR143-ED-X**Staging of Laryngeal Cancer: Extralaryngeal Spread Beyond Direct Thyroid Cartilage Invasion**

E. Rodriguez, MD, San Antonio, TX

B. Tantiwongkosi, MD

NR146-ED-X**Advanced Imaging Protocol to Improve the Image Quality of Carotid CT Angiography**

Y. Ota, RT, Morioka JAPAN

A. Tamura, MD

S. Ehara, MD

NR150-ED-X**Sphenoid Sinus Disease: A Pictorial Review**

M. Tanabe, MD, Ube Japan

E. Iida, MD

M. Furukawa, MD

H. Goto

T. Mikuriya

K. Ito, MD

NR155-ED-X**AJCC 2018 Head and Neck Cancer Staging Manual: Get Prepared for the ENT Tumor Board**

C. DeSai, BS

J.T. Hall, MD

B.R. Shah, MD

K.M. Raj, MD

A.K. Agarwal, MD, MBBS, Dallas, TX

NR156-ED-X**Am I Loitering Around a Diagnosis? No, It's Amyloidosis! A Review of Amyloid and Mimics for the Neuroradiologist**

C.M. Tomblinson, MD, Nashville, TN

R. Samant, MD

M. Gokden, MD

J.M. Hoxworth, MD

J.L. McCarty, MD

NR168-ED-X**Spectrum of Neurovascular Complications from Central Nervous System Infections (Viral, Bacterial, Fungal, and Parasitic)**

N.K. Patel, MBBS, BSC, London UNITED KINGDOM

C. Tang, MBBS

R. Miller

T.J. Beale, MBBS

H.K. Hyare, MBBS

NR180-ED-X**Occupational Radiation Exposure of the Eye in Neurovascular Interventional Physician**

M. Kato, PhD, Akita JAPAN

K. Chida, PhD

T. Kinoshita, MD, PhD

H. Toyoshima, BSc

N. Takahashi

T. Omura

NR186-ED-X**Cranio Vertebral Junction Abnormalities: Radiological Assessment and Image Based Review**

M. Swarup, MD, Delhi INDIA

L. Upreti, MD

N. Gupta, MBBS, DMRD

T. Khullar, MBBS

V. Yadav, MBBS

NR196-ED-X**MRI Findings of Anti-Myelin Oligodendrocyte Glycoprotein (Anti MOG) Antibodies Spectrum Disorder, NMO and MS: Is There Any Difference?**

S.A. Velasquez, MD, Bogota Colombia

C. Tramontini

F. Aluja, MD

C. Navas

J.A. Mora, MD

NR199-ED-X**Salvaging the Brain: The Golden Hour & Beyond Arterial Spin Labeling - A Novel Non-Contrast MRI Perfusion Technique in Guiding Management and Predicting Prognosis in Hyperacute Stroke**

M. Verma, MBBS, Mumbai India

A.J. Choudhari, MBBS

P. Thakrar

D. Patkar, MD

S. Oak, MD

NR201-ED-X**Exploring Eloquent Frontal Areas by fMRI & DTI in Neurosurgical Patients**

A. Camins, MD, L'Hospitalet De Llobregat SPAIN

P. Naval Baudin, MD

H. Jofre, MD

J.F. Landa

A. Pons Escoda

M. Serrallonga, MD

NR207-ED-X**Dual Energy CT Cisternography for the Identification of the Site of CSF Fistula in Cases of Cranial CSF Leak**

N. Sopich, Minsk BELARUS

A. Antonenko

NR214-ED-X**Neurological Complications Post Allogeneic Hematopoietic Cell Transplant: A Pictorial Review**

L. Dixon, MBBS, BSC, London UNITED KINGDOM

M. Dumba, MBChB, BSC

S. Kafatabadi

S. Chhabda, BSC, BMBS

A. Gontsarova, MBBS, FRCP

NR237-ED-X**Imaging Evaluation of Otosclerosis: What the Otologist Needs to Know**

R.M. Santos, MD, Sao Paulo Brazil

Y.T. Goncalves, MD

R.A. Moreno, MD

C. Toyama

R.L. Gomes, PhD, MD

E.M. Gebrim, MD

NR250-ED-X**Updates of Anaplastic Thyroid Cancer: Diagnosis, Molecular Genetics, and Treatment**

N. Saito, MD, PhD, Hidaka JAPAN

C. Masaki, MD

O. Sakai, MD, PhD

A. Uchino, MD, PhD

T. Ichikawa, MD, PhD

NR253-ED-X**Don't Get Nervous: Simple Approach to Learning Cranial Nerve Anatomy and Pathology**

K. Skalski, MD, Rochester, NY

A.A. Bhatt, MD

NR263-ED-X**Orthognathic Surgery: A Primer for Reporting and Main Complications**

L.C. Araujo, MD, Sao Paulo BRAZIL

E. Kaiser Ururahy Nunes Fonseca, MD

R.W. Murakoshi, MD

H. Tames

R.L. Gomes, PhD, MD

M.M. Daniel, MD

NR278-ED-X**Alternate Routes for CSF Collection**

M. Peckham, MD, Salt Lake City, UT

T. Hutchins, MD

L.M. Shah, MD

NR286-ED-X**Cortical Restricted Diffusion Patterns on MRI: What the Radiologist Needs to Know**

J. Gavito, MD, El Paso, TX

C. Mullins

H. Sandoval

R. Bou Said

L.R. Ramos-Duran, MD

NR291-ED-X**PET Imaging in Neuro-Oncology: A Radiological Primer**

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A.S. Mehdi, MBBS

M.A. Arshad, MBBS, BSC

A. Waldman

S. Khan, MBBS

E. Aboagye

NR296-ED-X**Ear or There: Demystifying Referred Otalgia Using the 15 T Framework**

J.D. Johnston, MBChB, MRCS

A.Z. Khatib, MBBS, Cardiff UNITED KINGDOM

H. Jaber, MBBS

K. Hardingham, MBBS

S.A. Ebden, MBCh, MRCP

S.G. Evans, MBBS

NR302-ED-X**Intrinsic Non-Neoplastic Myelopathy**

M.C. Pope, MD, Shreveport, MN

F.E. Diehn, MD

C.H. Hunt, MD

L.J. Eckel, MD

NR307-ED-X**It Is Not as Simple as It Seems - Imaging of Lateral Ventricular Tumors**

R. Sharma, MBBS, Bangalore India

B. Nagabhushana Reddy, MBBS, MD

B.B. Das, MD, MBBS

P. Reddy, MBBS, MD

S. Neelakantan, MD

S. Viswamitra, MD

NR314-ED-X**Cerebral Microvascular Imaging with Ferumoxytol-Enhanced MRI**

Y. Ge, MD, New York City, NY

RSNA 2018 Award Winners

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