

RSNA 2015 - 101st Scientific Assembly and Annual Meeting Award Winners

MAGNA CUM LAUDE

BR111-ED-SUB5

Strengths and Shortcomings of Digital Breast Tomosynthesis: Review of Cancers Detected as well as those "Missed" in a Population-based Screening Program

K. Korhonen, MD, Philadelphia, PA; S. Weinstein, MD; E. McDonald, MD, PhD; S.P. Zuckerman, MD; E.F. Conant, MD

BR172-ED-X

Early Implementation of Synthesized 2D in Screening with Digital Breast Tomosynthesis: A Pictorial Essay of Early Outcomes

S.P. Zuckerman, MD, Philadelphia, PA; E.F. Conant, MD; S. Weinstein, MD; K. Korhonen, MD; M. Synnestvedt; E. McDonald, MD, PhD

CA124-ED-WEA8

Atrioventricular Septum Junction: Comprehensive Imaging Inadults Using Cardiac CT and MR

C. Hassani, MD, Los Angeles, CA; D. Sanchez-Quintana, MD; F. Saremi, MD

CH146-ED-X

Pulmonary Function Testing for the Radiologist: A Case-Based Review

H. Tseng, MA, MD, Atlanta, GA; T.S. Henry, MD; S. Veeraraghavan; B. Little, MD

CH160-ED-X

Novel Concepts in the Diagnosis, Gradation and Respiratory Management of ARDS. Guidance from State of the Art Multimodality Imaging

K. Stefanidis, MD, PhD, London UNITED KINGDOM; P. Tousek, MBBS, BMedSc; C. Sayer, MBBS, FRCR; M.A. Abbasi, MBBS; S. Grubnic, MD; I. Vlahos, MRCP, FRCR

ER148-ED-X

Demystifying Orbital Emergencies: A Pictorial Review

V.D. Nguyen, MD, San Antonio, TX; D. Verdini, MD; M.P. Valencia, MD; A.K. Singh, MD; W. Altmeyer, MD; B. Tantiwongkosi, MD

GI153-ED-X

Hepatobiliary Phase of Gadoteric Acid Enhanced MR Imaging of Benign Hepatocellular Nodules Based on Molecule Background

N. Yoneda, Kanazawa Japan; O. Matsui, MD; A. Kitao; K. Kozaka, MD; S. Kobayashi, MD; K. Yoshida, MD

GI301-ED-X

Vascular Lesions at Multi-phase CT Enterography for Obscure GI Bleeding (OGIB): Theme and Variations

K. Pundi, BS, Rochester, MN; R. Vasconcelos, MD; S.P. Sheedy, MD; A.B. Kolbe, MD; J.L. Fidler, MD; J.M. Barlow, MD

GI303-ED-X

Mibs & Mabs: Intra-abdominal Complications of Targeted Cancer Therapies

S.T. Chang, MD, Palo Alto, CA; C.O. Menias, MD; V.M. Melnick, MD; M.G. Lubner, MD; A.K. Hara, MD; T.S. Desser, MD

HP111-ED-MOB6

Pitfalls During Management of Contrast Reactions and Contrast Reaction Mimic's - Avoiding Errors and Tips to Improve Patient Care

J. Cavallo, MD, New Haven, CT; K.E. Pfeifer, MD; D. Asch, MD; J.D. Kirsch, MD; J.K. Pahade, MD

IN108-ED-X

ReportDiff: Analytics and Feedback for Resident Dictated Reports

P.M. Cheng, MD, MS, Los Angeles, CA; M. Romero, MD; M. Marx, MD

MK127-ED-WEB7

Long Head Biceps Tendon Injuries of the Shoulder: Injury Biomechanics, and the Role of Imaging in Clinical Management

S. Sheehan, MD, Madison, WI; H.G. Rosas, MD; J.W. Stephenson, MD

MK128-ED-X

Beyond the Greater Trochanter: The Many Bursa about the Pelvis

S.A. Currie, MD; T.J. Hillen, MD; J.R. Long, MD; J.D. Stensby, MD; Q. Xiao; M.V. Friedman, MD, Saint Louis, MO

MK272-ED-X

Ultrasound for the Evaluation of Rheumatologic Conditions

N. Berko, MD, Bronx, NY; S. Goldberg-Stein, MD; S. Friedman, MD; M.B. Finckelstein, MD; B.A. Thornhill, MD

MK291-ED-X

Interposition Injuries in Orthopaedics: MRI Features and Clinical Significance

R.D. Boutin, MD, Sacramento, CA; R.C. Fritz, MD; T. Laor, MD; L. Yao, MD; M.N. Pathria, MD

MS122-ED-X

Multi-system Imaging Features of Cystic Fibrosis in Adults

S. Averill; M.G. Lubner, MD, Madison, WI; V.M. Melnick, MD; T.A. Kennedy, MD; C.O. Menias, MD; S. Bhalla, MD

MS133-ED-X

Third-Generation Dual-Source CT: Advances and Advantages in Clinical Practice

T.J. Vrtiska, MD, Rochester, MN; R. Vasconcelos, MD; J. Montoya; T.A. Macedo, MD; T.A. Foley, MD; E.E. Williamson, MD

NR114-ED-X

MR-EYE: The Role of High-resolution Microscopy Coil MRI (MCMRI) for the Assessment of the Orbit and Peri-orbital Structures

N.W. Dobbs, MBBS, Nottingham United Kingdom; I.A. Zealley, MD; P.M. Yeap, MBChB, FRCR; M.J. Budak, MD, FRCR; J. Weir-McCall, MBChB, FRCR; R.D. White, MBChB, FRCR

NR134-ED-X

When Less is More: Exploiting Vessel Sparsity to improve 4D CEMRA of Dural AV Fistulas

Z. Clark, MD, MS, Madison, WI; K.M. Johnson; Y. Wu; M. Edjlali; O. Wieben, PhD; P.A. Turski, MD

NR207-ED-X

State-of-the-Art Imaging of the Pituitary Gland Utilizing Radial-VIBE with GRASP Sequences

J. Rispoli, MD, New York, NY; V. Prabhhu, MD; C. Graffeo, BA; L. Bangiyev, DO; C. Rossi Espagnet; K. Block, PhD

NR259-ED-TUB6

Reduced Diffusion in the Corpus Callosum: Etiologies, Mechanisms, and Manifestations of Cytotoxic Corpus Callosum (CCC) Lesions

J. Starkey, MD, Tokyo JAPAN; N. Kobayashi, MD; Y. Numaguchi, MD, PhD; T. Moritani, MD, PhD;

OB127-ED-X

Surgical Conundrums In Gynecological Malignancies: A Radiologist's Primer

M. Dumba, MBChB, BSC, London UNITED KINGDOM; L. Breitzstajn, MBChB; V. Stewart; T.D. Barwick, MBChB; A.G. Rockall, MRCP, FRCR; N. Bharwani, MBBS, FRCR

PD003-EB-MOB

Pediatric Non Odontogenic Tumors of the Maxillo-facial Skeleton: What the Radiologist Needs to Know

S. Stefanelli, MD, Geneva SWITZERLAND; L. Merlini, MD; A. Rougemont, MD; A. Ailianou, MD; P. Scolozzi, MD; A. Terzic

PH004-EB-X

HU Knew?: What You Need to Know about kVp, CT Numbers, Dose, and Their Relationships

J.B. Guild, PhD; E.A. Jones, MD; X. Duan, PhD; G. Arbique, PhD; D.P. Chason, MD; J.A. Anderson, PhD, Dallas, TX

UR104-ED-X

Prostate Cancer in the Transition Zone and the Anterior Fibromuscular Stroma: Clues to the Diagnosis in Multiparametric MRI with Emphasis on Intraprostatic Patterns of Spread and the Relative Frequency of the Locations

H. Shimoto, MD, Tokorozawa JAPAN; S. Soga, MD; C. Tamura; K. Yamada, MD; T. Okamura, MD; H. Tomita

VI118-ED-X

CTA Imaging of State-of-the-art Fenestrated and Branched Aortic Endografts: What the Radiologist Needs to Know

T.A. Macedo, MD, Rochester, MN; T.J. Vrtiska, MD; G.S. Oderich, MD

VI153-ED-X

Cerebral Disease: Optimal Imaging Method for Preoperative 3DCT - Arteriovenous Separation Scanning Method

K. Mitsui, Saga-Shi JAPAN; M. Kishikawa; S. Kakimoto; R. Kawano; H. Aibe, MD

CUM LAUDE

BR109-ED-X

Between a Rock and a Hard Place (to Biopsy): Management Algorithm and Pathologic Correlation of Nipple Areolar Calcifications

A.N. Chu, MD, Dallas, TX; S.J. Seiler, MD; J.H. Porembka, MD

BR119-ED-X

Initial Experience with Contrast Enhanced Spectral Mammography (CESM) in a Multimodality State-of-the-Art Breast Imaging Facility

S. Ghai, MD, Toronto Canada; F. Au, MD; R.P. Fleming, MD; P. Crystal, MD

BR133-ED-X

Comparison of DCIS on Full-Field Digital Mammography, C-View, and Digital Breast Tomosynthesis

E. Hwang, MD, New York, NY; J.R. Szabo, MD; E.B. Sonnenblick, MD; L.R. Margolies, MD

BR171-ED-X

Reporting 'Breast tissue' in the 5th Edition of BI-RADS: Why, What, and How?

J. Youk, MD, Seoul KOREA, REPUBLIC OF; E. Son, MD, PhD; H. Gweon, MD; J. Kim, MD, PhD

CA123-ED-X

Transthoracic Echocardiography Pitfalls and Limitations as Exposed by Cardiac CT and MRI

S.B. Malik, MD, Los Angeles, CA; N. Chen, MD; R.A. Parker III, MD; J.Y. Hsu, MD

CA152-ED-X

Clinical Benefits of Cardiac Computed Tomography (CT) before and after Surgery for Evaluating Mitral Valve

E. Kim, Jeonju-si KOREA, REPUBLIC OF; G. Jin, MD, PhD; J. Choi; Y. Han; J. Song, MD

CH124-ED-X

Getting on Your Nerves: Nervous System Disease the Thoracic Radiologist Should Recognize

K.W. Cummings, MD, Phoenix, AZ; S. Sridhar, MD; M.S. Parsons, MD; C. Javidan-Nejad, MD; S. Bhalla, MD

CH165-ED-X

Successfully Transplanted: Guide to Posttransplant Lung Imaging

N. Malguria, MBBS, Dallas, TX; K.G. Jordan, MD; M.J. Landay, MD; S. Abbara, MD

CH168-ED-X

Thoracic Ultrasound: Technique, Applications and Interpretation

S.H. Ramhria, MD, New Hyde Park, NY; A. Noor, MD; R. Villani, MD; C.A. D'Agostino, MD; J. Pellerito, MD

CH181-ED-X

Non-small Cell Lung Cancer: Beyond Current TNM Staging

C. Sayer, MBBS, FRCR, London United Kingdom; S. Grubnic, MD; T. Benepal; I. Vlahos, MRCP, FRCR;

ER109-ED-X

MDCT and MR Imaging of Abdominal Manifestations of Hematological Conditions

V. Tamisetti, MD, Houston, TX; V.S. Katabathina, MD; A.K. Dasyam, MD; C.O. Menias, MD

ER119-ED-X

Foreign Body on the Lateral Neck Radiograph: Are You Sure? Pitfalls in Interpretation

A. Castan Senar, MD, Zaragoza SPAIN; Y. Navarro, MD; R. Larrosa, MD; Y. Taboada; A. Romeo; E. Angulo Hervias

ER125-ED-X

Vasculitis in the Emergency Room Setting

K.L. Ratkowski, MD, Saint Louis, MO; V.M. Melnick, MD; M.G. Lubner, MD; S. Bhalla, MD; C.A. Raptis, MD

ER146-ED-X

Don't Forget the Abdominal Wall! Important Traumatic Injuries Not to be Missed

S. Matalon, MD, Boston, MA; R. Askari; K. Patel, MD, MBBS; J. Gates; A.D. Sodickson, MD, PhD; B. Khurana, MD

GI168-ED-X

Clinical and MR Indices of Inflammatory Bowel Disease Activity

C.S. Santillan, MD, San Diego, CA; J. Rimola, MD; B.G. Levesque, MD; D. Bruining, MD; W.J. Sandborn, MD

GI197-ED-X

Heterotopic Pancreatic Rests: Imaging Features, Complications, and Unifying Concepts

D.U. Kim, MD; M.G. Lubner, MD, Madison, WI; V.M. Melnick, MD; P.J. Pickhardt, MD

GI199-ED-X

Anorectal Evaluation at CT Colonography: Pathology and Pitfalls

L.M. Gettle, MD, MBA; M.G. Lubner, MD, Madison, WI; P.J. Pickhardt, MD

GI201-ED-X

Presurgical CT Assessment of Detailed Abdominal Vascular Anatomy in the Era of Minimal Invasive Surgery

T. Wada, MD, Tokyo Japan; T. Ueda, MD; J. Starkey, MD; M. Enokido; R. Miyazawa; N. Wakabayashi

GI205-ED-X

Magnetic Resonance Elastography Stiffness Maps: What Do They Tell Us?

M.L. Wells, MD, Rochester, MN; K.S. Jhaveri, MD; A.C. Silva, MD; F.H. Miller, MD; J.M. Horowitz, MD; M.A. Ohliger, MD, PhD

GI265-ED-X

Partial Pancreatectomy: MR Imaging of Normal Postoperative Appearance and Complications

M. Baad, MD, Chicago, IL; K.M. Jahangir, MD; A. Newark; E.V. Ward, MD; S. Thomas, MD

GI275-ED-X

Hepatic Lymphatic Vessels: Non Contrast MR Lymphography

S. El Mouhadi, MD, Paris FRANCE; M. Ronot, MD; S. Derhy; L. Monnier-Cholley, MD; Y.M. Menu, MD; L. Arrive, MD

GI277-ED-X

Electronic Cleansing in Fecal-tagging CT Colonography: Past, Present and Future

W. Cai, PhD, Boston, MA; M.E. Zalis, MD

GI290-ED-X

Autoimmune Pancreatitis versus Pancreatic Carcinoma

T. Kim, MD, PhD, Toronto CANADA; M. Bandar, MBChB; K. Khalili, MD; H. Jang, MD

GI327-ED-X

Long Common Channel: How Common is it and Why Do We Need to Report It?

S. Bhowmik, MBBS, Sturbridge, MA; D.V. Sahani, MD

HP103-ED-SUB4

MR Safety 101: What All Radiologists Must Know

J.J. Wan, MD, San Francisco, CA; S. Cha, MD

IN102-ED-SUA8

Change that Protocol Now! A Real-Time CT Radiation Dose Display for Reading Rooms

T. O'Connell, MD, Meng, Vancouver CANADA; S. Nicolaou, MD; L.J. Louis, MD; P.D. McLaughlin, FRRCRCSI; D. Chang, MD; J.R. Mayo, MD

IN114-ED-X

#MummyScan: Using Social Media to Market an Event for a Radiology Practice

A. Towbin, MD, Cincinnati, OH

MI110-ED-X

The Lugano Standardized Criteria for Staging and Response Assessment of Hodgkin and Non-Hodgkin Lymphoma

S. Sheikhhahaei, MD, MPH, Baltimore, MD; M. Taghipour, MD; E. Mena, MD; R. Wray, MD; S. Ahn, MD; J. Xiao

MK147-ED-X

Imaging of Reverse Total Shoulder Arthroplasty: What Radiologists Need To Know

A. Dahir, MD, Atlanta, GA; T.N. Hanna, MD; N.M. Safdar, MD; Y. Melenevsky, MD

MK148-ED-X

Image-Guided Joint Injections and Aspirations: A Review of Data-driven Decision Points

D.B. Khatami, MD, PhD, Boston, MA; J. Nimhurchearthaigh, MBChB; S.D. Madoff, MD; M.G. Hochman, MD

MK157-ED-X

Normal Skeletal Development and Imaging Pitfalls of the Calcaneal Apophysis: MRI Features

I. Rossi, Buenos Aires ARGENTINA; Z.S. Rosenberg, MD; C. Mba-Jonas, MD; J.S. Zember, MD; C. Morley, MD; A.M. Wang, MD

MK164-ED-X

Pathology of Triangular Fibrocartilage Complex. A Pictorial Essay and Attempt to Classification

A. Perez, MD, Caracas VENEZUELA; G. Lacau, MD; M.A. Garcia

MK171-ED-X

Radiographic Evaluation of Lower Extremity Coronal Plane Deformities: Practical Reporting for Orthopedic Surgeons

A.J. Song, MD, Maywood, IL; K. Bird, MD; L.M. Lomasney, MD; M. Bernstein; S.R. Rozbruch, MD

MK226-ED-TUB10

Appreciating MoM: Demystifying the Complications of Metal-on-metal Hip Articularities

P.M. Yeap, MBChB, FRCR, Dundee United Kingdom; J. Weir-McCall, MBChB, FRCR; M.J. Budak, MD, FRCR; T.A. Sudarshan, DMRD, FRCR; I.A. Zealley, MD; D. Scott

MK232-ED-X

Imaging of Patellofemoral Instability: A Review of Joint Mechanics and Radiographic Features of the Unstable Joint

A.J. Song, MD, Maywood, IL; M.A. Bozza, DO; L.M. Lomasney, MD; D.G. Evans, MD

MK252-ED-X

Optimal Reporting of Acetabular Fractures on Trauma CT Examinations: What the Orthopedic Surgeon Wants to Know

B.S. Martell, MD, Winston-Salem, NC; L. Lenchik, MD; M. Torabi, MD; B. Kiani, MD; P. Gupta, MBBS; A.N. Miller, MD

MK314-ED-X

Intra Muscular Hemangioma: A Diagnostic Challenge

A. Bisdorf Bresson, Paris FRANCE; C. Parlier, MD; M. Wassef; C. Laurian; B. Faucon; E. Houdart



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MS115-ED-X Superficial Palpable Masses: Are They Lipomas or Something Else? The Role of Sonography

D.S. Perera, MD, Philadelphia, PA; K.L. Lim, MD

MS179-ED-X Onco-genic Infections: A Review

R. Chahinian, MD, Beirut LEBANON; J. Mansour; A.K. Hara, MD; K.M. Elsayes, MD; M.G. Lubner, MD; C.O. Menias, MD

NM103-ED-X Frostbite: The Spectrum of Imaging Findings and How They Impact Management

J.D. Millet, MD, Ann Arbor, MI; B. Levi, MD; R.K. Brown, MD; J.A. Jacobson, MD; K. Wong, MBBS; M.D. Gross, MD

NR147-ED-X Diffusion Tensor Imaging of the Spinal Cord

A.M. Rutman, MD, Seattle, WA; W.A. Cohen, MD; M. Mossa-Basha, MD; D. Peterson

NR156-ED-X MR Sialography at 3T: Improving the Non-invasive Diagnosis of Salivary Duct Diseases

B. Sobrino Guijarro, Madrid SPAIN; A. Sanchez Barrueco; C. Ordóñez; J. Montoya Bordon, MD; J. del Valle, MD

NR161-ED-X Neurologic Complications in Onco- logic Patients: Beyond Tumor

D.J. Oliveira, MD, Sao Paulo BRAZIL; M. Martin; L.F. Godoy, MD; M.F. Docema, MD; H.W. Lee, MD; D. Delgado

NR175-ED-X Where's the Blood? Understanding the Anatomy and Imaging of Scalp Trauma

I.M. Dequesada, MD; J. Kim, MD; T. Moritani, MD, PhD; Y. Numaguchi, MD, PhD; J. Starkey, MD, Tokyo JAPAN

NR215-ED-X Keeping Pace With The Shifting Paradigm of Autoimmune Encephali- tis: A Pictorial Review

L. Dixon, MBBS, BSC, London UNITED KINGDOM; A. Atinga, MBBS; M. Dumba, MBChB, BSC; O. Kirimi, MBBS; A. Mehta, MBBS

NR226-ED-X All in the Family: Genetic Syndromes with Central Nervous System Tumors

C. Vijapura, MD, Iowa City, IA; T. Moritani, MD, PhD; Y. Sato, MD; B.A. Policeni, MD; A.A. Capizzano, MD

NR230-ED-X 4D Dual Energy CT in the Evalu- ation of Parathyroid Adenoma: The New Kid on the Block

D. Kandasamy, New Delhi INDIA; R. Sharma, MD; A. Goyal, MBBS, MD; N. Tandon, MD; A.K. Gupta, MBBS, MD

NR278-ED-X Test Your Knowledge... Pharyngeal Dysphagia — Evaluation at Barium Swallows

J.D. Angel; J.A. Pietryga, MD; R. Sanyal, MD; J.G. Zazour, MD, Birmingham, AL

NR305-ED-X Location, Location, Location — Spi- nal Cord Topographical Anatomy and Its Role in Evaluating Intramed- ullary Lesions

A.J. Spain, MD, Detroit, MI; N. Kolicaj, MD; H.L. Marin, MD; B.D. Griffith, MD; S.C. Patel, MD; J.J. Corrigan, MD

OB105-ED-X MRI of the Clitoris, Labia and Introitus

M.D. Agarwal, MD, Boston, MA; E.L. Resnick, MD; J. Nimhuirheartaigh, MBBS; C. Ballianw, MD; B.J. Flore; K.J. Mortele, MD

OB138-ED-THA1 Be Still My Beating Heart: Why Imaging the Fetal Heart Should not Give You Palpitations!

N. Patel, BA; E. Narasimhan, BA; A.M. Kennedy, MD, Salt Lake City, UT

OB140-ED-SUA2 Go with the Flow: Fetal GU Anoma- lies with Pathologic, Post Natal, and Clinical Correlation

M. Moshiri, MD, Seattle, WA; R.S. Iyer, MD; P. Bhargava, MD; R. Nicola, DO, MSc; M.K. Dighe, MD; C.O. Menias, MD

PD126-ED-X MRI of the the Temporomandibular Joint in Juvenile Idiopathic Arthritis: How to Do It and What to Look For

M. Navallas, MD, Barcelona SPAIN; E. Inarejos Clemente, MD; M. De la Hoz Polo, MD; L. Riaza; M. Rebollo, MD; E. Iglesias

PD132-ED-X MRI of Pediatric Bone Marrow: The Normal, the Abnormal, and the Exceptions

B.Y. Chan, MD, Madison, WI; K. Gill, MD; S.L. Rebsamen, MD; J.C. Nguyen, MD

PD147-ED-X MRI of Thoracic Outlet Syndrome in Children

G.B. Chavhan, MD, Toronto CANADA; V. Batnanabane, MD; G. Borschel, MD

PD156-ED-X Congenital Variations of the Uterus and Reproductive Tract

P.A. DiCamillo, MD, PhD, Cleveland, OH; M.B. Shvarts, MD; R.M. Paspulati, MD; P.S. Vasavada, MD

PH124-ED-X Is Fat Our Best Friend or Worst Enemy on Computed Tomography and Magnetic Resonance Imaging? What the Radiologist and Radiology Technologist Should Know

S. Torii, RT, Tokyo JAPAN; H. Machida, MD; R. Fukui; S. Kojima; M. Hirata; I. Tanaka

UR117-ED-M0B7 Renal Papillary and Calyceal Lesions on CT Urography

S. Kawamoto, MD, Baltimore, MD; S. Sheth, MD; E.K. Fishman, MD

UR118-ED-X The Added Value of Functional and Molecular Imaging of the Scrotum

S. Baleato Gonzalez, MD, PhD, Santiago SPAIN; R. Garcia Figueiras, MD; J. Vilanova, MD, PhD; G.C. Fernandez-Perez, PhD, MD; N. Escudero-Garcia; A. Martinez De Alegria, MD

UR146-ED-X Pathways, Pearls and Pitfalls: An MR Feature-based Algorithm for Renal Mass Characterization

K. Lee, MD, Boston, MA; K.M. Troy, MD; L.L. Tsai, MD, PhD; K.S. Lee, MD; M.R. Sun, MD

VI020-EB-X Pay Attention to What Patients Say: Provocation Test during Angiogra- phy for Arterial Thoracic Outlet Syndrome

S. Lee, MD, Seoul Korea, Republic of; S. Lee; J. Han, MD; H. Chung; B. Kim, MD

VI135-ED-X Percutaneous Transhepatic Cholangioscopy: Pearls and Pitfalls

S. Ahmed, MD, Baltimore, MD; T. Schlachter, MD; K.K. Hong, MD

VI169-ED-TUB5 Upper Extremity Angiography: A Review of Anatomy, Pathology, and Interventions

E.J. Monroe, MD, Seattle, WA; C.R. Ingraham, MD; G.E. Johnson, MD; M.J. Kogut, MD

VI192-ED-X Ultrasound Assessment of Chronic Mesenteric Ischemia

A. Momin, MD, New Haven, CT; J.S. Pellerito, MD; M.V. Revzin, MD

VI198-ED-X Ultrasound-Guided Intervention Enhanced: How to Improve Success Rate and Avoid Complication with the Use of Ultrasound Contrast Agent

D.Y. Huang, FRCP, London UNITED KINGDOM; M. Daneshi, MBBS, FRCP; G. Yusuf, MBBS; R. Ramnarine, MBBS, FRCP; M.E. Sellars, MD, FRCP; P.S. Sidhu, MRCP, FRCP

BR001-EB-X Whole Mount Pathology of the Breast: Large Format Pathology Sec- tions for Better Radiology- Pathology Correlation

K. Tsuchiya, Chicago, IL; D.V. Schacht, MD; K.M. Kulkarni, MD; R. Reddy; J. Mueller, MD; H. Abe, MD

BR102-ED-X Correlation of MR Imaging with Predictive Pathologic Models of Response after Neoadjuvant Therapy in Different Subtypes of Locally Advanced Breast Cancer. A Radio- pathologic Review of Standard Con- cepts, Usefulness and Limitations

R.M. Lorente-Ramos, MD, PhD, Madrid Spain; J. Azpeitia Arman, MD; T. Rivera Garcia; I. Casado Farinas; M. Lara Alvarez; E. Dominguez-Franjo, MD, PhD

BR104-ED-X Normal Breast Implants. What We Must Know to Avoid Misinterpreta- tions

C.A. Cres; F.I. Shitara, MD; E. Federicci; P.C. Moraes, MD; L.D. Silva; A.C. Racy, MD

BR108-ED-X False-friends in Breast Imaging. A Quiz Presenting the Challenge of Benign-looking Malignant Lesions

R.M. Lorente-Ramos, MD, PhD, Madrid Spain; J. Azpeitia Arman, MD; T. Rivera Garcia; I. Casado Farinas

BR118-ED-X Eyes Wide Open — Extramammary Findings on Breast MRI

Y. Gao, MD, New York, NY; H.B. Toth, MD; L. Moy, MD

BR134-ED-X Diagnosis and Management of Recurrent Breast Cancer: Current Concepts and Future Directions

A. Wadhwa, MD, Milwaukee, WI; M. Gonyo, MD; J.R. Sullivan, MD; K.M. England, MD

BR136-ED-M0B7 Benign to Malignant Spectrum of Architectural Distortions on Digital Breast Tomosynthesis

J. Young, MD, MPH, Los Angeles, CA; M.M. Joines, MD

BR140-ED-X Noncalcified Ductal Carcinoma in Situ: The Danger that Lies Beneath

L. Santiago, MD; R.P. Candelaria, MD, Houston, TX; E.M. Arribas, MD; M.L. Huang, MD; M.E. Scoggins, MD; B.E. Adrada, MD

BR153-ED-X Imaging of Breast Implants for Residents: A Pictorial Review

L.I. Beccar Varela, MD; M. Nocetti, MD; B.O. Blejman, MD; M. Lamattina, MD; F. Melendez, MD; F.B. Sarquis, MD, Vicente Lopez Argentina

BR157-ED-X Imaging Spectrum of Breast Cancer Metastases and Patterns of Metastatic Spread

V.A. Arasu, MD, San Francisco, CA; E.R. Price, MD; C.W. McHargue, BA; K.M. Ray, MD; M. Hernandez Pampaloni, MD; R. Aslam, MBBS

BR166-ED-X Reading Between the Lines: Sonographic Evaluation for Breast Implant Rupture

R. Ganti, MD, Dallas, TX; P. Sharma, MD; J.C. Hayes, MD; S.J. Seiler, MD

BR173-ED-X Real-time MRI Navigated Ultra- sound for Preoperative Tumor Stag- ing in Breast Cancer Patients: Tech- nique and Clinical Implementation

A. Park, MD, Ansan KOREA, REPUBLIC OF; B. Seo, MD, PhD; K. Cho, MD, PhD; O. Woo, MD; S. Cha, MD

BR183-ED-SUA6 O Recurrent Breast Cancer, Where Art Thou? A Guide for Detecting Locally Recurrent Breast Cancer after Lumpectomy and Radiation.

S.A. Lee-Felker, MD, Los Angeles, CA; K. Pool, MD; M. Thomas, MD; G. Rahbar, MD; D.M. Andrews-Tang, MD; E.A. Gupta, MD

BR188-ED-X MRI of Benign Breast Lesions: Key Imaging Findings for Making Correct Diagnosis

M. Goto, MD, Kyoto Japan; M. Kiba; E. Konishi; Y. Tsuji; Y. Masuda; H. Yokota, MD

BR190-ED-X Man, Oh Man!: Clinical and Imag- ing Spectrum of Male Breast Cancer

L.A. Omar, MD, Dallas, TX; E. Eads, MD; S.J. Seiler, MD; W. Evans III, MD

BR195-ED-X Spindle-Cell Lesions of the Breast: Multi-modality Imaging Differentia- tion of these Pathologically Similar Neoplasms

S.D. Raj, MD, Houston, TX; A.S. Hamame, MD; S. Sadrudin, MD; K. Sweetwood, BS; K.A. Sepulveda, MD; E.L. Sedgwick, MD

BR197-ED-X Spectrum of Pregnancy and Lacta- tion Related Benign Breast Pathol- ogy: Typical and Atypical Physiologic Changes Associated with Imaging Appearances and Management Con- siderations

N.S. Winkler, MD, Salt Lake City, UT; M. Saetle, MD; M.B. Morgan, MD; M. Stein, MD

BR202-ED-X Where To Go From Here?: Interac- tive Radiologic — Pathologic Case Review and Step-by-Step Manage- ment of Breast MRs Given BI-RADS 3, 4, or 5

R.C. Ward, MD, Providence, RI; L.M. Negrete, MD; E. Lazarus, MD; A.P. Lourenco, MD; M. Lomme, MD

BR204-ED-X Multimodality Imaging of Elective and Reconstructive Breast Augmen- tation: Tough Calls, Complications, and New Techniques

E.L. Martin-Macintosh, MD, Rochester, MN; R.T. Fazio, MD, PhD; K.N. Jones, MD; K.N. Glazebrook, MBChB

BR209-ED-X Comparative Effectiveness of Ultra- sound and MR Imaging of Non-Cal- cified Ductal Carcinoma in Situ

O. Woo, MD, Seoul KOREA, REPUBLIC OF; H. Shin; K. Cho, MD, PhD; B. Seo, MD, PhD

CA003-EB-X Hold the Contrast, Please: A Tail- ored, Non-contrast MR Approach for Evaluation of Thoracic Aortic Disease

P.G. Peterson, MD, Bethesda, MD; J. Lichtenberger; M. Lutynski, DO; M. Huppman, MD; R.A. Liotta, MD; V.B. Ho, MD, MBA

CA101-ED-X Cardiothoracic Applications of Spectral CT- Physics, Principles and Clinical Applications

B. Mansoori, MD; H. Chalian, MD; L.A. Landeras, MD; P. Rajiah, MD, FRCP, Cleveland, OH

CA111-ED-X Spectrum of Pulmonary Artery Pathology on CT: What the Radiol- ogist Should Know

A. Ugarte Nuno, MBBS, San Sebastian SPAIN; A. Goienetxea Murgiondo, MD; C. Biurrun Mancisidor, MD; J. Vega Eraso; I. Echegoyen

CA115-ED-X How to Evaluate Extent and Sever- ity of Cardiac Sarcoidosis with FDG PET/CT and MRI

O. Manabe, Sapporo JAPAN; N. Oyama-Manabe, MD, PhD; H. Ohira, MD; Y. Tomiyama; K. Yoshinaga; I. Tsujino, MD, PhD

CA125-ED-X Myocardial T1 Mapping for the Characterization of Cardiac Diseases

S. Oda, MD, Kumamoto Japan; K. Morita; D. Utsunomiya, MD; H. Yuki, MD; M. Kidoh; Y. Yamashita, MD

CA128-ED-X Congenital Anomalies of the Aortic Arch

K. Hanneman, MD, Toronto CANADA; B.M. Newman, MD, MBCh; F.P. Chan, MD, PhD

CA130-ED-X Comprehensive Evaluation of Mechanical Heart Valves with Third Generation Dual Source CT

M.L. Dijkshoorn, RT, Rotterdam Netherlands; D. Suga, MD; K. Nieman, MD, PhD; A.J. Bogers, MD, PhD; R.P. Budde, MD, PhD

CA140-ED-X Cardiac Imaging Applications for Electrophysiology

K.G. Kallianos, MD, San Francisco, CA; K.G. Ordovas, MD

CA142-ED-X Cardiac DWI: A New Kid on the Block

J. Broncano, MD, Cordoba Spain; A. Luna, MD; T. Martin, MD; J. Sanchez, MD, PhD; P. Caro Mateo

CH005-EB-X Cracking the Core of the Lateral Chest: A Case Based Study of Abnor- malities and Anatomy and the Center of the Lateral Radiograph

L. Minshew, MD, Jacksonville Beach, FL; B.L. McComb, MD

CH007-EB-MOB Spectrum of CT Findings in Tho- racic Extranodal Non-Hodgkin Lymphoma: Lesion Detection and Problem-Solving Strategies

M.P. Bligh, MD, BEng, Halifax CANADA; J.N. Borgeonkar, MD, FRCP; S.C. Burrell, MD; D. Macdonald, MD, FRCP; D. Manos, MD, FRCP

CH010-EB-X Anastomotic Airway Complications after Lung Transplant: Clinical, Bronchoscopic and CT Correlation

K. Luecke, MD, Tampa, FL; C.A. Rojas, MD; A. Pelaez, MD; T. Fattouch, MD

CH104-ED-X Soft Tissue and Chest Wall Recon- struction After Intrathoracic Oncological Resections

S.L. Betancourt Cuellar, MD, Houston, TX; S. Martinez-Jimenez, MD; D.M. Palacio, MD; W.L. Hofstetter; B.W. Carter, MD; E.M. Marom, MD

CH126-ED-X Imaging of Intrathoracic Paragan- gliomas

D. Ocazionez, MD, Houston, TX; D. Vargas, MD; D.L. Dicks, MD; G.S. Shroff, MD; A.C. Nachiappan, MD; A.J. Baxi, MBBS, DMRD

CH129-ED-X Evolving Radiation Therapies and Associated Radiation Induced Lung Disease (RILD): Radiologic Findings along a Time Continuum

H.Q. Le, MD, Los Angeles, CA; C. Lee, MD; S.J. Genshaft, MD; F.G. Abtin, MD; K.Q. Vuu, MD

CH130-ED-X New ITMIG Classification of Medi- astinal Compartments: Update and Approach to Mediastinal Masses

B.W. Carter, MD, Houston, TX; M.K. Benveniste, MD; R. Madan, MD; M.C. Godoy, MD, PhD; P.M. de Groot, MD; M.T. Truong, MD

CH134-ED-X Challenges in Interpretation of Staging PET/CT in Thoracic Malignancies

G.S. Shroff, MD, Houston, TX; B.W. Carter, MD; C. Viswanathan, MD; E.M. Marom, MD; C.C. Wu, MD; M.T. Truong, MD

CH142-ED-X Preoperative 3DCT as an Optimal Imaging Method for Pulmonary Segmentectomy

K. Ogura, RT, PhD, Sapporo JAPAN; A. Watanabe, MD, PhD; M. Miyajima, MD, PhD; T. Mishina, MD; M. Abukawa; T. Tanaka

CH154-ED-X Lung Under Attack: Antibody Related Lung Disease

M. Okura, MD, Tokyo Japan; M. Matsusako, MD, PhD; H. Miyazawa; M. Enokido; N. Wakabayashi; Y. Yaguchi

CH156-ED-X Percutaneous Drainage of Thoracic Fluid Collections: What Radiologists Need to Know

I. Vollmer, MD, Barcelona SPAIN; M.N. Benegas Urteaga, MD; A. Gayete Cara, MD, PhD; R.J. Perea, MD, PhD; T. Caralt; M. Sanchez Gonzalez, MD

CH158-ED-X How to Avoid Common Pitfalls, Seen in Daily Practice, Related to the Interpretation of Chest Computed Tomography

P. Khafagy, MD, Montfermeil FRANCE; M. Roumilla; J. Seroussi, MD; M. Bekeheit, MBBS; P.Y. Brillet, MD, PhD; M. Cymbalista, MD

CH169-ED-X Incidental Findings in Lung Cancer CT Screening: Which Ones are Relevant?

M.C. Godoy, MD, PhD, Houston, TX; E.G. Odisio, MD; B.W. Carter, MD; M.T. Truong, MD; C. Chiles, MD; G.W. Gladish, MD

CH176-ED-X How to Help your Forensic Pathol- ogist to Study Traumatic Thoracic Lesions in Violent Death with a Post Mortem Non Enhanced CT?

I. Sifaoui, Angers FRANCE; C.R. Nedelcu, MD; G. Beltran; A. Gaudin, MD; C. Ridereau-Zins, MD; C. Aube, MD, PhD

CH180-ED-X Breast Imaging on Chest CT after Various Types of Breast Surgery

D. Kim, Seoul KOREA, REPUBLIC OF; M. Kang, MD; J. Lee; K. Bae, MD

CH185-ED-X Visiting the New 2015 WHO Clas- sification of Tumours of the Lung: Radiologic-pathologic Correlation

M. Sanchez, MD, Barcelona SPAIN; M.N. Benegas Urteaga, MD; J. Ramirez, MD; I. Vollmer, MD; R.J. Perea, MD, PhD; T. Caralt

CH188-ED-X Spectrum of CT Findings in Tho- racic Extranodal Non-Hodgkin Lymphoma: Lesion Detection and Problem-Solving Strategies

M.P. Bligh, MD, BEng, Halifax CANADA; J.N. Borgeonkar, MD, FRCP; S.C. Burrell, MD; D. Macdonald, MD, FRCP; D. Manos, MD, FRCP



CERTIFICATE OF MERIT

BR001-EB-X
Whole Mount Pathology of the
Breast: Large Format Pathology Sec-
tions for Better Radiology- Pathology
Correlation

K. Tsuchiya, Chicago, IL; D.V. Schacht,
MD; K.M. Kulkarni, MD; R. Reddy; J.
Mueller, MD; H. Abe, MD

ER007-EB-X
Near Death Imaging: Understanding the Radiologic Predictors of Cause, Cost, and Course unto Death

E.J. Flores, MD, Boston, MA; A. Bhadouria; A. Padole, MD; A. Otrakji, MD; L.L. Avery, MD; S.R. Digumarthy, MD

ER100-ED-X
Abdominal and Pelvic Trauma: Misses and Misinterpretations on Multidetector Computed Tomography

M.N. Patlas, MD, FRCPC, Hamilton CANADA; S. Nicolaou, MD; C.O. Menias, MD; S. Bhalla, MD; N. Fars-hait, MS; D.S. Katz, MD

ER104-ED-X
Look Again! How Well Do You Detect Vascular Pathology on Unenhanced CT?

A.V. Berniker, MD, Darby, PA; O. Teytelboym, MD; J.E. Mackey, MD

ER113-ED-X
Bowel Injury in Blunt Abdominal Trauma: Evaluation with CT and Clinical Implications in Surgically Proven Cases

D.D. Bates, MD, Boston, MA; M. Wasserman, MD; V. Gorantla; C.A. LeBedis, MD

ER117-ED-X
Rib Trauma: A Review of Rib Fractures, Common Mimics, and Complications

B.S. Talbot, MD; C.P. Gange JR, MMedSc, MD, Rochester, NY; A. Chaturvedi, MD

ER118-ED-X
Breast Imaging for the Emergency Room Radiologist: An Educational Review

E.V. Geffen, MD, New York, NY; L. Moy, MD

ER122-ED-X
CT Pulmonary Angiography in Pulmonary Embolism- "A Survival Guide" for Radiology Residents

S.B. Raniga, FRCR, MD, Muscat OMAN; N. Gupta, MD; R. AlSukaiti, MD; B. Jankharia, MD; M.R. Skalski, DC

ER129-ED-X
CT and MR Imaging of Gynecological Emergencies: What Residents and Fellows Should Know

Y. Iraha, Nishihara-Cho Japan; M. Okada, MD; R. Iraha; K. Azama; S. Murayama, MD, PhD; T. Matayoshi, MD

ER134-ED-X
Approach to Radiological Diagnosis of Non-traumatic Pediatric Pelvic Emergencies

A.J. Baxi, MBBS, DMRD, San Antonio, TX; V. Ojili, MD; D. Rajderkar, MD; A.S. Katkar, MD; A.K. Singh, MD; K.N. Chintapalli, MD

ER135-ED-X
What to Expect When They're Expecting: MR Imaging of the Acute Abdomen in Pregnancy

H. Kotecha, DO, Worcester, MA; L. McIntosh, DO, MPH; H.S. Lo, MD; B.Y. Chen, MD; C.S. Dupuis, MD

ER137-ED-X
So You Think You Can Grade - Renal Trauma

J.A. Gross, MD, MS, Seattle, WA; C.K. Sandstrom, MD; J.D. Robinson, MD, MBA; B.E. Lehnert, MD; B. Voelzke, MD

ER157-ED-X
Principles of CT Angiography in the Emergency Department: How to Maximize Contrast Enhancement and Image Quality while Minimizing Radiation and Contrast

M.L. Gunn, MBChB, Seattle, WA; T.J. Clark, MD

ER158-ED-X
Tracheobronchial Injuries: Current Imaging Strategies to Guide Management

C. Sayer, MBBS, FRCR, London United Kingdom; C.A. Raptis, MD; S. Bhalla, MD; M. Kuppasamy; I. Vlahos, MRCP, FRCR

GI018-EC-X
A Checklist Approach to the CT Evaluation of a Suspected Pancreatic Mass: The Use of an iPad as an Interface to a Critical Pathway Approach at the Detection and Definition of a Suspected Pancreatic Mass

E.K. Fishman, MD, Owings Mills, MD; P.T. Johnson, MD; K.M. Horton, MD

GI020-EB-X
Neoplastic Diseases of Duodenum

S. Lee, MD, Guri Korea, Republic of; Y. Kim, MD, PhD; S. Lim, MD

GI021-EB-MOA
Cytoreductive Surgery (CRS) with Hyperthermic Intraperitoneal Chemotherapy (HIPEC) and Peritoneal Carcinomatosis Index (PCI) in Colorectal Cancer (CRC) Part 1: What Radiologists Need To Know Peritoneal Metastases From Colorectal Cancer, Imaging an

C. Suzuki, MD, PhD, Stockholm SWEDEN; G. Palmer, MD, PhD; L. Blomqvist

GI022-EB-THB
Dect Applications in the Liver: All You Need to Know

A. Prochowski Imurri, MD, Boston, MA; M. Patino, MD; D.V. Sahani, MD; A.R. Kambadakone, MD

GI100-ED-X
LI-RADS - Ultrasound Recommendations for Sonographic Screening and Surveillance of Hepatocellular Carcinoma: Initial Proposal

A. Kamaya, MD; S.G. Prakash, MD, Stanford, CA; M.R. Sun, MD; K.E. Maturen, MD; N. Dahiya, MD; T.S. Desser, MD

GI106-ED-X
Mesenteric Panniculitis - A Review and Guide for the (Confused) Radiologist

D. Bowden, MBChir, Toronto Canada; S.A. Whitley, MBBS; J. Chan, MBBS; S. Malhotra, MBBS; E.M. Godfrey, MA, FRCR

GI108-ED-X
Beyond Hernias: Multimodality Imaging Review of Abdominal Wall Pathology

V. Hostettler, MD, Travis AFB, CA; D.P. Dunn, MD; B.F. McQuillan, MD; G.E. Lattin JR, MD

GI112-ED-X
Calcified Pancreatic Masses Beyond Chronic Pancreatitis; Pattern Recognition Approach on Computed Tomography

K.M. Elsayes, MD, Ann Arbor, MI; C.O. Menias, MD; K. Sandrasegaran, MD; S. Abdelbaki; A.M. Shaaban, MBCh

GI127-ED-X
Imaging of Large Bowel Perforation

K. Kothari, Manhasset, NY; J.J. Hines JR, MD; B. Friedman, MD; G.M. Grimaldi, MD

GI128-ED-X
50 Shades of Fat: Atypical Imaging Patterns of Hepatic Steatosis

E. Zalaquett, MD, Santiago Chile; C.O. Menias, MD; W.C. Baughman, MD; J. Olivares Maldonado, MD; J.C. Araya Campos, MD; M.G. Vargas Araya, MD

GI130-ED-SUB6
A Bag of Tricks: Multimodality Approach to Challenging Gallbladder Pathology and Differential Diagnosis

J.N. Roberson, MD, Royal Oak, MI; D.L. Scola, MD; B.D. Lack, MD; H.V. Nghiem, MD; F. Sokhandon, MD

GI132-ED-X
Spectrum of Xanthogranulomatous Processes in the Abdomen and Pelvis: Pathogenesis, Imaging Features and Differential Diagnosis - A Pictorial Essay

M. El Hawari, MD, Wichita, KS; K. Ali, MD; C.O. Menias, MD; C.L. Siegel, MD; A. Huete Garin, MD; K.M. Elsayes, MD

GI134-ED-MOB9
A Primer of the Fluoroscopic Examination of the Post Surgical Gastrointestinal Tract

A.I. Carbo, MD, Shreveport, LA; D.D. Maglante, MD

GI145-ED-X
On the Right Level: MRE, Endoscopy, and Fecal Calprotectin Correlation

R.D. Navarro, MD, Washington, DC; A. Somwaru, MD; A. Charabaty; A.D. Levy, MD

GI146-ED-X
Heterotopic Pancreas: Pathological Features, Imaging Appearance and Complications

A.M. Shaaban, MBCh, Salt Lake City, UT; C.O. Menias, MD; K. Sandrasegaran, MD; J. Olpin, MD; M. Rezvani, MD; K.M. Elsayes, MD



GI157-ED-X
Intra-abdominal Lymphatic Malformation: An Uncommon but Important Diagnosis

A. Palvanov, MD, New Hyde Park, NY; A. Chau, MD; M.E. Bittman, MD; M. Wegener; J.J. Hines JR, MD; D.S. Katz, MD

GI164-ED-THB8
Hepatobiliary Agent Technique: Maximizing Image Quality

N.C. Monu, MD, Providence, RI; K.J. Fowler, MD; J.P. Heiken, MD; C.B. Sirlin, MD; H.K. Hussain, MD; A.R. Kambadakone, MD

GI171-ED-X
Cystic Lesions of the Liver - An Update and Comprehensive Case-based Imaging Review

D. Bowden, MBChir, Toronto Canada; C. Patel, MBBS, MRCP; J. Sarrazin, MD; L. Milot, MD, MSc; C.T. McGregor, MD

GI172-ED-SUA8
Cephalic Pancreaticoduodenectomy: What Radiologists Need to Know - Surgical Variants, Normal Postoperative Findings and Complications

M. Millor, MEd, Pamplona Spain; P. Garcia Barquin, MD; J. Madrid, MD; D. Cano, MD; I. Vivas Perez, MD; M. Arraiza, MD

GI183-ED-X
Three-Dimensional Multi-detector CT Gastrography for Various Gastric Lesions; Ready for Prime Time?

J. Kim, MD, Jeollanamdo Korea, Republic of; S. Shin, MD; S. Heo, MD; J. Hong; H. Lim, MD; H. Seon, MD

GI185-ED-MOA11
Ultrasound-Guided Percutaneous Core Needle Biopsy of Abdominal Viscera: When? Where? How?

J. Kim, MD; S. Shin, MD, Gwangju KOREA, REPUBLIC OF; S. Heo, MD; J. Hong; H. Lim, MD; H. Seon, MD

GI191-ED-X
Stuck in the Liver: Causes of Hepatic Sinusoidal Dilatation Resulting in "Mosaic" Enhancement Pattern

A. Furlan, MD, Pittsburgh, PA; M. Dioguardi Burgio, MD; A. Borhani, MD; M.E. Tublin, MD; G. Brancatelli, MD

GI193-ED-X
The Incidental Splenic Mass: Management and Medicolegal Issues

J. Olpin, MD, Salt Lake City, UT; M.E. Heilbrun, MD

GI208-ED-TUB9
Current Concepts in Molecular Genetics and Management Guidelines for Pancreatic Cystic Neoplasms: An Essential Update for Radiologists

M.H. Kulzer, MD; A.K. Dasyam, MD, Pittsburgh, PA; A. Furlan, MD; A. Singhi, MD, PhD; V.S. Katabathina, MD; M.T. Heller, MD

GI212-ED-X
Incorporation of CEUS Into LI-RADS for Diagnosis of Hepatocellular Carcinoma (HCC): A Work in Progress

H. Jang, MD, Toronto Canada; Y. Kono, MD, PhD; C.B. Sirlin, MD; A. Lyshchik, MD, PhD; F. Piscaglia; D.O. Cosgrove, MBCh, FRCR

GI214-ED-X
Tropical Chronic Pancreatitis - A Unique Clinico-radiological Entity. Why Is It Important to Know This?

C.B. Kulkarni, MBBS, MD, Cochin India; S. Moorthy, MD; S. K P, MBBS, MD; R.R. Kannan, MD

GI230-ED-X
Molecular Targeted Therapies in Gastrointestinal Malignancies: Imaging Features of Treatment Response and Toxicities

H. Nandu, MD, Boston, MA; S. Tirumani, MBBS, MD; A.B. Shinagare, MD; K.M. Krajewski, MD; C. Fuchs, MD, MPH; M.H. Rosenthal, MD, PhD

GI235-ED-X
Don't Pass This Gas: Abdominal Gas Patterns That Shouldn't Slip By

S. Cornejo, MD; P. Cornejo, MD; C.O. Menias, MD; G. Chesteen, MD, Phoenix, AZ

GI251-ED-SUA09
Postoperative Anatomy and Pathologic Findings of Pancreas Transplantation with Enteric Drainage: A Radiological Review

Q. Wang, MD, Indianapolis, IN; F. Akisik, MD; T. Tirkes, MD; M. Tann, MD; K. Sandrasegaran, MD

GI254-ED-X
MR Enterography in Crohn's Disease: How We Do It. Imaging Findings and Correlation with Disease Activity

P. Scalise, MD, Pisa ITALY; A. Mantarro, MD; E. Guidi; F. Pancrazi, MD; L. Faggioni, MD, PhD; E. Neri, MD

GI262-ED-SUB8
Review of the 2012 Revised Atlanta Classification of Acute Pancreatitis with Emphasis on Different Treatment Options

M. Peckham, MD, Worcester, MA; Y. Kim, MD

GI268-ED-X
Surgical Implications of Imaging Evaluation of Tailgut Cysts

D.P. Araujo, MD, Sao Paulo BRAZIL; L.T. Siqueira, MD; T.D. Vieira, MD; A.M. Pereira, MD; R. Bezerra, MD; C.D. Leite, MD, PhD

GI276-ED-X
Liver Nodules in Hereditary Haemorrhagic Telangiectasia: How to Characterize and How to Manage Them?

P. Bazeries, ANGERS FRANCE; M. Ronot, MD; J. Lebigot, MD; V. Cartier, MD; L. Leiber, MD; C. Ridereau-Zins, MD

GI282-ED-X
Beyond the Usual: Breast Cancer Metastasis to the Gastrointestinal Tract

K.R. Burton, MD, MBA, Toronto CANADA; S. Thippavong, MD; R. Kirsch, MD, PhD; N.M. Jaffer, MD

GI283-ED-X
Secretory Tumors of the Gastrointestinal Tract; Cross Sectional Imaging with Pathologic and Laboratory Correlation

Y.M. Elguindy, MD; C.O. Menias, MD; H.M. Elsamaloty, MD; M. Ali, MD; K.M. Elsayes, MD, Ann Arbor, MI

GI287-ED-X
Isolated Arteries Originated from the Intrahepatic Arteries: Functions and Importance in Intervention

K. Yoshida, MD, Kanazawa Japan; O. Matsui, MD; S. Miyayama; N. Terayama; S. Kobayashi, MD; T. Gabata, MD

GI288-ED-X
Cholangiocarcinoma in Primary Sclerosing Cholangitis: A Pictorial Review

T. Kim, MD, PhD, Toronto CANADA; J. Lee; H. Jang, MD

GI294-ED-X
Sectional Imaging Diagnosis of Sig-moid Mesocolon

A. Inoue, MD, Shiga JAPAN; S. Ohta, MD, PhD; A. Furukawa, MD, PhD; Y. Tomozawa, MD; S. Watanabe, MD; M. Yamasaki, MD

GI307-ED-TUA11
Precancerous Lesions of the Pancreaticobiliary Tract: A Current Comprehensive Update

K. Shanbhogue, MD, New York, NY; C.O. Menias, MD; S.R. Prasad, MD

GI308-ED-X
Drug-induced Disorders in the Abdomen: Clinico-radiological Features and Differential Diagnosis

H. Okada, Kashihara JAPAN; N. Marugami; J. Takahama, MD; T. Itoh, MD; A. Takahashi, MD; K. Kichikawa, MD

GI309-ED-X
Imaging of Biliary Reconstructions and Complications after-Living Donor Liver Transplantation

S. Park, MD, Seoul KOREA, REPUBLIC OF; K. Kim, MD; B. Kim, MD; S. Lee; J. Lee, MD; H. Kim, MD

GI318-ED-X
Inflammatory Bowel Disease: The Current Role of Imaging Modalities in the Diagnosis and Investigation of Complications

P. Panizza, Sao Paulo BRAZIL; T.R. Yamanari, MD; C.T. Amancio; T.C. Lima; T.S. Paixao, MD; N.d. Horvat, MD

GI398-ED-X
Review of Current Portal Venous Reconstruction Techniques Performed with Pancreaticoduodenectomy and Correlation with Post-Operative CT Imaging Appearances

K.B. Bleich, MD, Baltimore, MD; A. Javed, MD; F. Bagante; C.L. Wolfgang, MD; E.K. Fishman, MD

HP001-EB-X
Contrast Material Administration by Use of Variable Injection Methods: A Phantom Study of Evaluation of Aortic Peak Enhancement

K. Terasawa, Sagano-Shi JAPAN; A. Maruyama, MD; T. Tsukimata, RT

HP104-ED-X
Quality Improvement and Patient Safety Course for Radiologists

J. Banks, MD, Miami, FL; G.H. Danton, MD, PhD

HP106-ED-X
Going Back to School: Approaches to Effectively Mentor Medical Students Interested in Radiology

T. Wong, BA, Aurora, CO; J.A. Flug, MD, MBA; J.C. Hoffmann, MD; C.D. Strickland, MD

HP108-ED-X
Evaluation of Frequency and Type of Line Malpositions and Associated Complications on Portable Radiographs Identified using Alert Notification of Critical Results (ANCR)

L. Peavy, BS; B. Trotman-Dickenson, FRCR, MRCP; A.R. Hunsaker, MD; B. Crudup, BS; R. Madan, MD, Boston, MA

HP110-ED-X
Global Health: Improving Early Detection of Breast Cancer in Rural Areas. From Community Education to Ultrasound Exams, A Model for Reducing Barriers to Breast Care

S.L. Averill, MD, Iowa City, IA; L.M. Lai, MD; M.A. Nigogosyan, MD; J. Klevan, MD; J. Pollard, MD; M. Rajput, MD

HP130-ED-X
Medical Malpractice Survival Guide for Radiologists

A. Srinivasa Babu, MD, Darby, PA; A.L. Steinberger, DO; M.L. Brooks, MD, JD

IN002-EB-X
3D Printing Workflow for Fabrication of a Patient Specific Model from Medical Imaging: A to Z

H. Kim, Seoul KOREA, REPUBLIC OF; G. Kim; K. Lee; N. Kim, PhD; J. Seo, MD, PhD; D. Yang, MD

IN118-ED-X
Using Modality Log Files to Improve Imaging Efficiency and Quality

M.L. Gunn, MBChB, Seattle, WA; B.E. Lehnert, MD; C. Hall, PhD; T. Amthor; J. Senegas; D.R. Elgort, PhD

IN122-ED-X
Synchronized Surgical Simulation using Bio-elastic Organ Replica: The Next Step of 3D Medical Imaging and 3D-printed Injection Molding

M. Sugimoto, MD, PhD, Kobe JAPAN

IN123-ED-X
"The Checklist Manifesto" - Experiences with Structured Reporting (SR) at an Academic Medical Center

P.P. Tolat, MD, Milwaukee, WI; R. Mannem, MD; S.J. Erickson, MD; J.J. Budovec, MD; G. Holl

MI001-EB-X
**PET-CT beyond 18FDG:
A New Telling of an Old Tale**

C.N. Cristancho Rojas, MD; L. Azepeita Espinosa, MD, Mexico City MEXICO; J. Ramirez Arango, MD; M.C. Herrera-Zarza, MD; G. Estrada, MD; L.A. Ruiz Elizondo, MD

MI102-ED-X
**FDG-PET/CT of Epstein-Barr
Virus-related Lymphoproliferative
Disorders: Knowledge for Rapid
and Appropriate Diagnosis**

A. Torihara, Bunkyo-Ku JAPAN; R. Nakajima; A. Arai; M. Nakadate; K. Abe, MD; K. Kubota, MD, PhD

MI108-ED-X
**Imaging Tumor Treatment
Response Criteria: Multimodality
Case-based Review**

P. Ziai, MD, Darby, PA; M. Hayeri, MD; V. Gowdra Halappa, MD; A. Salei, MD; O. Teytelboym, MD

MK100-ED-X
**A Radiological Overview of Knee
Arthroplasty. Practical Keys in the
Assessment of Knee Replacement**

J. Azepeita Arman, MD, Madrid Spain; R.M. Lorente-Ramos, MD, PhD; A. Murillo Vizueté; B. Limousin Aranzabal; E. Barcina-Garcia, MD; N. Santamaria Guinea

MK104-ED-X
**Wounded Warrior
Care:Complications Following
Combat-Related Lower Extremity
Amputation, A Pictorial Essay**

S.S. Dalane, MD, Columbia, MD; A. Fehring; A.B. Galifianakis, MD

MK107-ED-X
**Chronic Recurrent Multifocal
Osteomyelitis: The Role of Whole-
Body MRI in Evaluation and
Diagnosis**

F.G. Vieira, MD, Braga PORTUGAL; F.M. Costa, MD; B.E. Bica, MD, PhD; S.M. Mendonca; C. Canella, MD

MK109-ED-SUB6
**Proximal Humeral Fractures:
Understanding the Neer Clas-
sification**

G. Erski, MD; J. Holder, MD; V. Seit, MD, New York, NY; S. Kolla, MD; A.B. Maderazo, MD; D. Fitzpatrick, MD

MK110-ED-X
**Myxofibrosarcoma – A Tail Not to
be Missed**

A.E. Li, MBBS, MMed, New York, NY; C. Antonescu, MD; R.A. Lefkowitz, MD; J. Landa, DO; D.M. Panicek, MD

MK112-ED-X
**What’s that Sound? Sonographic
Evaluation of Common Shoulder
Pathologies with MRI Correlation**

M.H. Lee, MD, Madison, WI; S. Sheehan, MD; K.S. Lee, MD

MK113-ED-X
**Hypertrophic Osteoarthropathy
(HOA) – What Lies Beneath Hip-
pocrates’ Fingers**

F.Y. Yap, MD, Los Angeles, CA; D.B. Patel, MD; E.A. White, MD; A. Schein, MD; A. Tomasian, MD; S. Masih, MD

MK120-ED-TUB8
**Opening the Windows: The
Diagnostic Value of Soft Tissue
Window Settings in Musculoskel-
etal CT**

B. Bachert, MD, Philadelphia, PA; C.E. Kim, MD; T.A. Gorbachova, MD; T.J. Reilly JR, MD

MK126-ED-X
**MRI Anatomy of the Thumb: Not
Just Another Finger**

U. Rawat, MD, Charlottesville, VA; N.C. Nacey, MD

MK135-ED-X
**Are You Ready to Muscle Up?
The Imaging of CrossFit Injuries**

J.R. Long, MD, Saint Louis, MO; D.E. Wessell, MD, PhD; M.V. Friedman, MD; J.L. Demertzis, MD; J.S. Symanski, MD; J.C. Baker, MD

MK138-ED-THA7
**Superficial Soft Tissue Lesions:
Imaging Findings and Systematic
Approach**

L.G. Savarese, MD, Ribeirao Preto BRAZIL; M. Hernandez, MD; M.N. Simao, MD, PhD; M.E. Yamashita, MD; N.F. Gava, MD; E.E. Engel, MD, PhD

MK151-ED-SUB7
**Coracoid: The Lighthouse of the
Shoulder**

H. Mohammed, MD, Los Angeles, CA; M.R. Skalski, DC; D.B. Patel, MD; E.A. White, MD; A. Schein, MD; A. Tomasian, MD

MK154-ED-X
**Tendons, Entheses and Peritendi-
nous Environment on High Reso-
lution MRI: Which Findings Can
Predict Symptoms, Which Are
Usually Asymptomatic and Which
Are Pitfalls or Normal Variants?**

E.M. Bimbato, Sao Paulo Brazil; C.H. Longo, MD; H. Guidorizzi, MD; A.Y. Aihara, MD; F.N. Cardoso, MD; B.O. Aburjeli, MD

MK163-ED-X
**Beyond Hardware Loosening:
Multi-modality Imaging of the
Postoperative Ankle**

A. Burt, MD, San Diego, CA; E.Y. Chang, MD; J. Holt; A.S. Ha, MD; K.C. Chen, MD

MK166-ED-MOB9
**Normal and Injured Ankle Liga-
ments on Ultrasonography with
Magnetic Resonance Imaging
Correlation**

Q. Dong, MD, Ann Arbor, MI; J.A. Jacobson, MD; D.P. Fessell, MD; S. Kim, MD; C.J. Brandon, MD; C.M. Yablon, MD

MK167-ED-X
**Myositis Ossificans, The Great
Pretender: Key Findings to Avoid
Misdiagnosis**

A.G. Palma, MD, Itu BRAZIL; E.M. Bimbato; B.O. Aburjeli, MD; P. Musa Aguilar, MD; M.V. Espirito Santo; J.S. Goncalves, MD

MK189-ED-X
**Pathomechanics of Elbow in the
Throwing Athlete; Clinical, Imag-
ing and Arthroscopic Correlation**

B.S. Martell, MD; M.T. Freehill, MD; L. Lenchik, MD; B. Kiani, MD; S.D. Wuertzer, MD, MS; M. Torabi, MD, Winston Salem, NC

MK197-ED-X
**Radiation-induced Changes in
Musculoskeletal System: Demysti-
fying the X Factor**

V.S. Yamachira, Sao Paulo BRAZIL; S.J. Kim, MD; R.S. Reche, MD; H.P. Costa, MD; C. Obara Kurimori, MD; P.P. Helito, MD

MK201-ED-X
**Musculoskeletal Manifestations of
Hematologic Malignancies**

S.M. Navarro, MPH, MD, Los Angeles, CA; G.R. Mateuk JR, MD; D.B. Patel, MD; E.A. White, MD; A. Schein, MD

MK203-ED-MOA10
**High-resolution Imaging of
Metabolic Bone Diseases**

J.M. Patsch, MD, PhD, Vienna AUSTRIA; G.J. Kazakia, PhD; A.J. Burghardt, BS; U.R. Heilmeyer, MD; T.L. Nickolas, MD; T.M. Link, MD, PhD

MK210-ED-X
**Schwannomatosis: Review of
Clinical and Imaging Features in a
Recently Recognized Entity**

S. Ahlawat, MD, Baltimore, MD; J. Blakely, MD; M.A. Jacobs, PhD; L.M. Fayad, MD

MK211-ED-X
**Extra-adrenal Myelolipoma and
Extramedullary Hematopoiesis:
Imaging Features of Two Similar
Benign Fat-Containing Presacral
Masses That May Mimic Lipo-
sarcoma**

L.A. Littrell, MD, Rochester, MN; D.E. Wenger, MD; J.M. Carter, MD, PhD

MK251-ED-MOA11
**Adult Spinal Deformity: Pertinent
Radiographic Findings for the
Surgeon**

C.J. Schmitz, MD, Temple, TX; R.D. Garza-Gongora, MD; L.M. Parman, MD; M. Rahm; J.D. Stevens, MD

MK254-ED-X
**Look Under the (Knee) Cap:
Patellofemoral Dysplasia—A Fre-
quently Overlooked Condition on
Imaging**

D.G. Mackey, MD, New Orleans, LA; R. Danrad, MD; M.L. Maristany, MD; E. Wallace JR, MD; B.M. Spieler, MD

MK256-ED-X
**Soft Tissue Infections from Cellu-
litis to Necrotizing Fasciitis**

M. Hayeri, MD, San Diego, CA; P. Ziai, MD; M.L. Shehata, MD; O. Teytelboym, MD

MK262-ED-X
**Be Pain Free: CT Guided Perineu-
ral Injections for Pelvic Pain**

V. Wadhwa, MBBS, Little Rock, AR; P.T. Weatherall, MD; L. Tenorio, MD; H.A. Omar, MD; P. Pezeshk, MD; Chhabra, MD

MK273-ED-X
**Musculoskeletal Tumors and
Pseudotumors with Restricted Dif-
fusion in DW-MRI**

J.P. Andrade, MD, Rio de Janeiro BRAZIL; F.M. Costa, MD; C. Canella, MD; S.M. Mendonca; A.G. Altoe

MK277-ED-TUA11
**Posteromedial Corner Pain: An
Important Diagnostic Consider-
ation**

P. Kobes, DO, Manhasset, NY; A. Singh, MD; J.S. O'Donnell, MD; D.M. Walz, MD; M. Brown, MD; H.R. Coopersmith, MD

MK317-ED-X
**Tips to Stay Hip: An Imaging
Review of Uncommon Intra- and
Extraarticular Hip Pathologies**

R.C. Santos Neto, MD, San Diego, CA; B.R. Ogata; D.V. Flores, MD; E. Smitaman, MD; M.N. Pathria, MD; B.K. Huang, MD

MS100-ED-X
**Restriction Spectrum Imaging:
Cellular Architecture at Eye Level**

R.L. Brunsing, San Diego, CA; N. White, PhD; N. Schenker, PhD; J. Kuperman, PhD; H. Bartsch, PhD; K.C. McCammack, MD

MS104-ED-X
**Ultrasound Features of Benign
and Pathologic Lymph Nodes**

R.G. Prativadi, MD, Rochester, NY; C.K. Gomez, DO; S. Bhatt, MD, MBBS

MS106-ED-X
**Intra-abdominal Sarcomas: Diag-
nosis and Surgical Planning**

J.S. Riess, MD, Washington, DC; M. Shroods; M.A. Manning, MD; W.B. Al-Refaie; A.D. Levy, MD

MS109-ED-X
**Extra-Osseous Ewing Sarcoma:
Spectrum of Disease With Patho-
logic Correlation**

C.W. Bolan, MD, Jacksonville, FL; C.O. Menias, MD; A.K. Hara, MD; P.J. Pickhardt, MD; V.M. Mellnick, MD; S. Bhalla, MD

MS116-ED-X
**State-of-the-art Diagnosis and
Treatment of Metastatic Melano-
ma: MDCT Protocol Optimization
to Identify Metastases in Unusual
Locations and Review of Innova-
tive Therapeutic Agents**

P.T. Johnson, MD, Baltimore, MD; B.C. Jones, MD; E.J. Lipson, MD; B. Childers, MD; K.B. Bleich, MD; E.K. Fishman, MD

MS148-ED-X
Hamartomas from Head to Toe

D. Alvarez, MD, Santiago Chile; C.S. Restrepo, MD; A. Luna, MD; J. Broncano, MD; D. Ocazionez, MD; T.D. Suby-Long, MD

MS150-ED-X
**An Overview of Uncommon
Lower Genitourinary Tumors: An
Imaging Spectrum with
Histopathological Correlation**

A.J. Baxi, MBBS, DMRD, San Antonio, TX; V. Ojili, MD; D. Rajderkar, MD; A.K. Singh, MD; K.N. Chintapalli, MD

MS153-ED-X
A Pictorial Review of Amyloidosis

S. Nakao, Ube JAPAN; M. Tanabe, MD; T. Ueda; K. Miyoshi; Y. Harada, MD; M. Furukawa, MD

MS161-ED-X
**Features and Mimics of Extra-
nodal Lymphoma in Abdominal
Imaging: A Practical Guide**

J.C. Coelho, MD, Rio De Janeiro BRAZIL; P. Gentile, MD; N. Sabaneeff, MD; E.D. Barbosa; M.S. Ferreira SR, ARRT; L.K. Bittencourt, MD, PhD

MS164-ED-X
**Lord of the Rings: A Guide to
Understanding the Countless
Radiology Ring Signs**

V. Patel, MD, New Haven, CT; A. Vyas, MD; G.S. Desai, Pharm D; M. Mathur, MD; M. Spektor, MD

MS165-ED-THB1
**Transcompartmental Pathology
in the Abdomen: Making Sense
of Chaos**

D. Alvarez, MD, Santiago Chile; J. Gutierrez Chacoff, MD; F. Leiter, MD; I. Maldonado, MD; C. Varela, MD; J.R. Ayuso, MD

MS168-ED-X
**Fluoroscopy, an Outdated Tool?
Experiences at a Tertiary Cancer
Center**

D. Holzwanger, MD, New York, NY; N. Campbell, MBBS; M.J. Gollub, MD; R.A. Lefkowitz, MD; M.Z. Simmons, MD

MS181-ED-X
**Reviews and Updates: Iodinated
Contrast, Pressure Injector, and
Protocols in Body Imaging**

N. Tirada, MD, Washington, DC; D. Dreizin, MD; M.T. Taffel, MD; S. Haji-Momenian, MD; R.K. Zeman, MD

MS186-ED-MOA2
**Painting the Whole Picture: Whole
Body MRI in a Tertiary Cancer
Center - Past, Present and Future**

J. Jagannathan, MD; A.R. Keraliya, Boston, MA; S. Tirumani, MBBS, MD; N. Farrar, RT,ARRT; A.B. Shinagare, MD; N.H. Ramaiya, MD

NM104-ED-SUA10
**A Primer on Interpreting Ga-68
DOTA-TOC PET/CT and How it
Changes Patient Management**

R.R. Flavell, MD, PhD, San Francisco, CA; E. Bergslund, MD; E. Nakakura; M. Hernandez Pampaloni, MD; S.C. Behr, MD; C. Mari Aparici, MD

NM111-ED-MOB12
**FDG-PET/CT Pitfalls in Gyneco-
logical and Genitourinary Onco-
logical Imaging**

A. Lakhani, FRCR, London UNITED KINGDOM; S. Khan, MBBS; N. Bharwani, MBBS, FRCR; V. Stewart; A.G. Rockall, MRCP, FRCR; T.D. Barwick, MBChB

NM123-ED-X
**FDG PET/CT Evaluation of
Extramedullary Myeloma: A
Pictorial Review of the Unusual
Presentation of Multiple Myeloma
with Multimodality Imaging and
Pathologic Correlation**

R.J. Schmitt, MD, Aurora, CO; P.J. Koo, MD; B.M. Bagrosky, MD, MS; J. Rosser; C. Smith; J.J. Kwak, MD

NM128-ED-X
**Pictorial Review of False Positive
Results in Radioiodine Scintig-
raphy**

A. Chudgar, MD, Philadelphia, PA; J. Shah, MD

NM130-ED-X
**Immune Modulation Therapy for
Cancer Treatment and Immune-
Related Tumor Response Assess-
ment**

M. Taghipour, MD, Baltimore, MD; S. Sheikhabaei, MD, MPH; J. Xiao; T.J. Trahan, MS; E. Mena, MD; C. Marcus, MD



MK176-ED-X
**Magnetic Resonance Neurography
for Peripheral Nerve Disorders: A
Comprehensive Review**

S. Nagata, MD, Kurume JAPAN; H. Nishimura, MD; K.K. Amrami, MD; H. Arai; A. Sumi, MD; R. Iwamoto

MK179-ED-X
**High Resolution MRI of Intraarticu-
lar Pathology of the Ankle Joints**

O. Casado Verdugo, Galdacano Spain; E.P. Sanchez; J.T. Aurrekoetxea, MD; M. Ereno Ealo, MD; G. Lide; A. Diego

MK181-ED-X
**Imaging the Achilles Tendon:
A Pictorial Review**

E. Barcina-Garcia, MD, Madrid Spain; R.M. Lorente-Ramos, MD, PhD; J. Azepeita Arman, MD; N. Arevalo; M. Grande, MD; M. Carretero Arbona

MK187-ED-THB8
**A Question of Y: Where the Ster-
num Meets the Clavicles**

P.M. Yeap, MBChB, FRCR, Dundee United Kingdom; M.J. Budak, MD, FRCR; J. Weir-McCall, MBBS, FRCR; D. Scott; B. Oliver

MK227-ED-WEA9
**Advanced Imaging of Shoulder
Arthroplasty: Pre and Postopera-
tive Assessment**

J.D. Poot, DO, Hamburg, PA; J.M. Petscavage-Thomas, MD, MPH; E.A. Walker, MD; S.A. Bernard, MD

MK235-ED-X
**Bones on Drugs: Musculoskeletal
Manifestations of Abuse**

C.M. Rehvald, MD, Seattle, WA; L.E. Chen, MD; F.S. Chew, MD; A.S. Ha, MD

MK236-ED-X
**Using Our Gadgets to Look at Pag-
et’s: A Review of Paget’s Disease of
Bone and Its Radiologic Findings
on Selected Modalities**

J.G. Whaley, MD, San Diego, CA; M.D. Stanley, MD; M.S. Gibson, MD; P.A. Pelletier, MD; B. Nelson, MD

MK242-ED-X
**Practical Guideline for US-guided
Core Needle Biopsy of Soft Tissue
Tumors: Transformation from
Beginner to Specialist**

T. Oh, MD, Seoul KOREA, REPUBLIC OF; H. Chung, MD; J. Lee; M. Lee, MD; S. Lee; M. Shin, MD

MK302-ED-X
**Just Drill It: Advantages of Per-
forming CT Guided Bone Biopsy
with a Powered Mechanical Drill
Device**

J. Youngner, MD; E. Tarkowski, MD; J.D. Samet, MD; I.M. Omar, MD; K.J. Blount, MD, Chicago, IL

MK305-ED-X
**3D CT Analysis of the Femoral
Head and Acetabulum in Hip
Impingement Syndromes: What
the Surgeon Wants to Know**

V. Kalita, MD, MPH, Burlington, VT; R.E. Meyer, MD; D.N. Mintz, MD; J.A. Carrino, MD, MPH; E.A. Bogner, MD

MK316-ED-X
**What are Those Calcifications?
A Look at Unusual Musculoskel-
etal Soft Tissue Calcifications**

R. Seit, Brooklyn, NY; S.A. Osei-Bonsu, MD; S.A. Lehto, MD; S.A. Waite, MD; S. Kolla, MD

MS123-ED-X
**Imaging Findings of Non-cutane-
ous Melanoma**

V.K. Wong; M.G. Lubner, MD, Madison, WI; Y.M. Mellnick, MD; C.O. Menias, MD; T.A. Kennedy, MD; S. Bhalla, MD

MS124-ED-X
**Bright Spots on Abdominal
Ultrasound**

Z.J. Ricci, MD; F.S. Mazzariol, MD, Bronxville, NY; S.J. Frank, MD; J.H. Roberts, MD; M. Koenigsberg, MD; M.W. Stein, MD

MS127-ED-X
**Tumor Markers: Myths and Facts
Unfolded**

S.C. Faria, MD, Houston, TX; T.L. Sagebiel, MD; M. Patnana, MD; C. Viswanathan, MD; C.G. Lail, MD; P.R. Bhosale, MD

MS138-ED-X
**More Than Just Cancer:
How Normal and Benign Can
Restrict Diffusion**

N. Chen, MD, Los Angeles, CA; S.B. Malik, MD; J. Van Rompaey, MD; N.W. Bost, MD; R.A. Parker III, MD

NM131-ED-X FDG-PET/CT for Laryngeal and Hypopharyngeal Cancers—An Anatomical Approach

M.A. Queiroz, MD; F.T. Pacheco, MD; F.D. Barbosa, MD; G. Carvalho; R.F. Nunes, MD; R.H. do Vale, MD, Sao Paulo Brazil

NR010-EB-X Congenital Aural Atresia: A Radiologic Pictorial Review with Intraoperative Image Correlation

S.J. Kabadi, MD, Charlottesville, VA; S. Mukherjee, MD; B. Kesser, MD

NR100-ED-X Evaluation of Cervical Lymph Node Metastasis of Tongue Cancer with Consideration of the Lymphatic Drainage System

K. Sekiya, DDS, PhD, Kashiwa-Shi JAPAN; H. Kuno, MD, PhD; T. Tomioka, MD; T. Hiyama, MD; T. Kobayashi, MD; M. Suemitsu, DDS, PhD

NR103-ED-X Imaging Review of the Spinal Epidural Space: Anatomy and Pathology

S.G. Dua, MD, Chicago, IL; M.D. Jhaveri, MD; S.E. Byrd, MD

NR109-ED-X The Forgotten Elements: A Pictorial Review of Lesions in the Posterior Elements

J. Giampa, DO; J. Patel, MD, Morristown, NJ; N. Patel, MD; D.L. Reede, MD; W.R. Smoker, MD

NR110-ED-X Neuroimaging Features in SESA Syndrome (Subacute Encephalopathy with Seizures in Alcoholics)

M. Drake Perez, MD, Santander SPAIN; E. Marco de Lucas; J. Fernandez Torre; E. Lopez Uzquiza; M. Diez Blanco; A. Iturralde Garriz

NR116-ED-X Applications of Spectral CT in Neuroimaging

M. Hojjati, MD; E. Ben-David, MD; J. Sosna, MD; P. Rajiah, MD, FRCR, Cleveland, OH

NR122-ED-X Vertebral Artery Ultrasound: A Window to the Great Vessels

S. Saad, MD; M.M. Horrow, MD, Philadelphia, PA

NR125-ED-X This is Not a Subarachnoid Hemorrhage!

E. Lopez Uzquiza, Santander SPAIN; M. Drake Perez, MD; M. Diez Blanco; E. Marco de Lucas; A. Iturralde Garriz; J. de la Calle

NR143-ED-X The Petrous Carotid Canal: A Navigation Tool for Learning Skull Base Anatomy and Localizing Pathology

R. Yu, MD, MPH, Pittsburgh, PA; V. Agarwal, MD; T.J. Rath, MD

NR145-ED-X The Pterygopalatine Fossa Interchange: An Easy Way to Understand All Routes

V.P. Beltran Salazar, MD, Sabadell SPAIN; M. Prenafeta, MD; A. Rovira-Gols, MD; B. Consola, MD; D. Preciado, MD; S. Perez Aguilera

NR148-ED-X CNS Vasculitis and Vasculopathy: Diagnostic Clues on MR Imaging and the Emerging Role of High Resolution Vessel Wall Imaging

Z. Li, MD, San Francisco, CA; S. Cha, MD

NR152-ED-X Schwann or Goose? Exposing Lesions that May Mimic Spinal Schwannomas with a Collection of Interesting Cases

J.C. Williams, MD, Rochester, MN; J.M. Morris, MD; F.E. Diehn, MD

NR157-ED-X “Up Against the Wall” Assessing Cerebrovascular Stroke Risks by Combining 4D Flow MRI and Arterial Wall Imaging

A.J. Scarano, MD, Madison, WI; E. Hartman, MD; K.M. Johnson; Y. Wu; M. Edjlali; W. Chang, MD, MBA

NR170-ED-X Post-traumatic Deafness: What Radiologists Should Know and How 3D CT Can Aid Ossicular Lesion Assessment

O. Maillot, Grenoble FRANCE; A. Attye, MD; A.I. Kastler, MD, MSc; E. Boyer; M. Zanolla; R. Perolat

NR172-ED-X Autoimmune Epilepsy: Findings on MRI and FDG-PET

J.B. Guerin, MD, Rochester, MN; A.L. Koitsenas, MD; C.M. Carr, MD; G.B. Liebo, MD; R.E. Watson JR, MD, PhD

NR174-ED-X Neuroimaging of Mucopolysaccharidoses: Review and Rearrangement

S. Doishita, Osaka JAPAN; T. Shimono, MD; H. Tatekawa, MD; T. Tsukamoto; A. Tanaka; T. Seto

NR178-ED-X Strokes in Infants, Children and Young Adults

P. Bawa, MD, Brooklyn, NY; J. Holder, MD; D.L. Reede, MD; W.R. Smoker, MD

NR181-ED-X CT Perfusion: A Guide to Interpretation and Avoiding Mimics and Pitfalls

R. Holwerda, MD, Kansas City, MO; S. Desouches, DO; B.M. Chin, MD, MBA; W.E. Holloway, MD

NR182-ED-X Extra-adrenal Paragangliomas: From Head to Toe. A Pictorial Essay and Literature Review

L.G. Duarte, MD, Sao Paulo Brazil; F.A. Dalpra, MD; M.D. Silva, MD; M. Sarpi, MD; E.M. Gebrim, MD; R.L. Gomes, MD

NR192-ED-X The Structure of Medullary Veins in the Cerebral Hemisphere and Relating Disorders

T. Taoka, MD, PhD, Nagoya JAPAN; A. Fukusumi, MD; T. Miyasaka, MD; T. Wada, MD; K. Kichikawa, MD; S. Naganawa, MD

NR195-ED-X The Many Faces of Central Nervous System Tuberculosis. An Imaging Based Analysis of 100 Cases of Tubercular Involvement of the Brain and Spine

A. Banerjee, MBBS; P. Sandhu, MD, MBBS, Ludhiana INDIA; K. Saggarr SR, MD; C. Kakkar, MBBS, MD; S. Sahni; S.S. Khela, MBBS

NR196-ED-X Diagnosis for Nerve of Origin in Head and Neck Schwannomas: CT and MRI Images with Anatomical Correlation

N. Takeyama, MD, Yokohama Japan; T. Shimane; N. Ohike; J. Munechika; T. Hayashi, MD; T. Hashimoto, MD

NR203-ED-X 12T MRI of Brainstem Central Auditory Pathways

B.E. Hamilton, MD, Portland, OR; Y. Berlow, MD; W. Rooney, PhD

NR205-ED-X Imaging Findings in Postoperative Laryngeal Carcinoma: Conservative and Radical Surgery

U. Passos, MD, Sao Paulo Brazil; D.C. Medeiros, MD; T.A. Ezzeddine, MD; M.T. Garcia, MD; R.L. Gomes, MD; E.M. Gebrim, MD

NR211-ED-X What's the Matter with the White Matter? A Case Based Review of Acquired Demyelinating Diseases and the Differential Diagnostic Considerations Based Upon their Respective MRI Characteristics

L.R. Kriger, DO, Morristown, NJ; K. Scherer, DO; A. Volvovsky, MD; J.C. Rios, MD, PhD

NR216-ED-X Comprehensive Review of Intracranial Infections: Causes and Concerns in Classic to Complex Cases

S. Kumaran, MBBS, MD, Bengaluru India; P. Bhari Thippeswamy, MD, MBBS; V. Hegde, MBBS, MD; S. Viswamitra, MD

NR217-ED-X Staging Head and Neck Cancer: How We Do It

P.A. Hudgins, MD, Atlanta, GA; K.L. Baugnon, MD; A.S. Corey, MD; A.H. Aiken, MD

NR220-ED-X Cranial Nerve Conundrums: A Radiologist's Primer

M. Dumba, MBChB, BSC, London UNITED KINGDOM; L. Dixon, MBBS, BSC; A. Atinga, MBChChir; A. Raithatha, MBBS, BSC; O. Kirmi, MBBS; F. Alobeidi, MBChChir, MA

NR222-ED-X Imaging of Intracranial and Orbital Complications of Sinusitis and Atypical Sinus Infections : What the Radiologist Needs to Know

Z.A. Chaudhry, MBBS; A. Salem, MD, Brooklyn, NY; S. Osei-Bonsu, BA; V. Velayudhan, DO; D.L. Reede, MD; R.A. Holliday, MD

NR243-ED-X MRI Polymorphism of Intra Cranial Malignant Hemopathies in Immunocompetent Patients

A. Crombe, Bordeaux FRANCE; N. Alberti, MD; T. Wavasseur; J. Ouallet; V. Dousset, MD, PhD; T. Tourdias

NR245-ED-TUAB Rhombencephalic Lesions in Adults: From a Case-based Tutorial to Practical Diagnostic Short-lists

A. Crombe, Bordeaux FRANCE; N. Alberti, MD; J. Ouallet; A. Ruet; B. Brochet; V. Dousset, MD, PhD

NR250-ED-X Lobar Atrophy in its Many Forms: Differential Diagnoses of Gray Matter Loss

A.M. Rauschecker, MD, PhD, Philadelphia, PA; A.C. Mamourian, MD; Y.J. Chen, MD; A. Vossough, MD, PhD; L.A. Loevner, MD; S. Mohan, MD

NR253-ED-X State-of-the-Art Imaging of Carotid Stenosis

D. Durand, MD, New Haven, CT; X. Wu; O. Narin, MD; V.B. Kalra, MD; J. Schindler, MD; C. Matouk

NR257-ED-X Off to a Bad Start: Imaging Manifestations of Common CNS Developmental Failures

R. Miyazawa; J. Starkey, MD, Tokyo JAPAN; S. Sato, MD; Y. Sato, MD; T. Moritani, MD, PhD

NR258-ED-X Questions of Phonation and Respiration: Imaging Correlates of Acute Laryngeal Trauma

M.A. McDonald, MD, PhD, San Diego, CA; J. Bykowski, MD

NR267-ED-X Evidence Based Review of Best Practices for Epidural Steroid Injections

S. Abboud, MD, Chicago, IL; K.J. Blount, MD; A. Shaibani, MD; B.P. Liu, MD

NR268-ED-X It's All About the Base (Imaging of the Central Skull Base)

G.G. Millare, MD, San Antonio, TX; B.J. Carra, MD; B. Tantiswongkosi, MD

NR271-ED-X Perineural Spread in Primary Head and Neck Squamous Cell Cancers - High way to Hell and Beyond. What the Radiologist Needs to Know

A. Katdare, Mumbai INDIA; R.R. Sanst, MBBS; P. Bhargava; T.A. Mathew; V. Haribhakti, MBBS; K. Ganesan, MBBS, MD

NR280-ED-X The Forgotten Lacrimal Gland and Lacrimal Drainage Apparatus: Spectrum of Imaging Findings and Differential Diagnosis

N. Gorelik, MD, Montreal Canada; J.R. Nair, MD; E. al-Ajmi, MD; C.I. Torres, MD; J. Chankowsky, MD; R. Del Carpio-O'Donovan, MD

NR295-ED-X Imaging of CNS Paraneoplastic Syndromes

E. Ripoll, MD, Barcelona SPAIN; A. Lopez; T. Pujol, MD; J. Berenguer, MD; F. Graus; L. Oleaga

OB102-ED-X Fertility Preservation in Women with Gynecological Cancers: Review of Fertility Sparing Techniques and Role of MR Imaging

J.G. Escalon, MD, New York, NY; S. Nougaret, MD; E.A. Sadowski, MD; C.O. Menias, MD; S. Fujii, MD; H. Vargas, MD

OB118-ED-X Fetal Cardiac Screening Sonography: Methodology

A. Khurana, MD, San Diego, CA; A. Burt, MD; T. Anton, BS; M. Perez, BS; D. Levy, MD; D.H. Pretorius, MD



OB119-ED-X PET-CT and MRI of Gynecological Tumors for Every Radiology Resident / Fellow: Imaging Techniques, Understanding Image Findings and Role in Management

R. Irahia, Okinawa JAPAN; M. Okada, MD; Y. Irahia; Y. Morita, MD; T. Toita; S. Murayama, MD, PhD

OB120-ED-X Squamous Vulvar Carcinoma, Why Imaging? Staging, Follow-up and Practical Considerations

J.L. Moreno Negrete, MD, Barcelona Spain; B. Pano Brufau, MD; C. Sebastia Cerqueda, MD; P. Paredes, MD; L. Bunesch Villalba, MD; C. Nicolau, MD

OB122-ED-X Multi-Modality Imaging Features of Uncommon Gynecologic Emergencies

M. Shetty, MD, Royal Oak, MI; S. Alapati, MD; S.H. Jafri, MD

OB130-ED-WEB1 Twin Pregnancy: A Review

Y. Lee, MD, Los Angeles, CA; N.R. Khadem, MD; C.L. Couturie, MD; J. Hemingway; D.K. Walker, MD

OB131-ED-X The Gravity of the Situation: Pregnancy Related Vascular Complications

R.S. Plowman, MD, MBA, Phoenix, AZ; C.O. Menias, MD; M. Colombo, MD; C. Javidan-Nejad, MD; C.A. Raptis, MD; V.M. Mellnick, MD

OB132-ED-X Gestational Trophoblastic Disease: So Much More than a Snowstorm

R.R. Haroun; A.M. Shaaban, MBChCh, Salt Lake City, UT; M. Rezvani, MD; C.O. Menias, MD; A.M. Kennedy, MD

OB134-ED-X Intestinal Deeply Infiltrative Endometriosis from Ileo-appendiceum to Rectum. A Comprehensive Approach for Preoperative Planning with Laparoscopic Correlation

L.P. Chamie, MD, PhD, Sao Paulo BRAZIL; D.M. Ribeiro, MD; P.C. Serafini, MD, PhD

OB137-ED-X Uterine Fibroids: Common Presentations and Rare Complications

S.K. Plett, MD, San Francisco, CA; L. Poder, MD; M.P. Kofi, MD; T.A. Morgan, MD

OB142-ED-X Fetal Facial Anomalies - Review, Etiology and Diagnosis

M.K. Dighe, MD, Seattle, WA; G.M. Melendres, MD; J. Jolley; C.L. Fligner, MD

OB144-ED-X Rule-out Ectopic - A Resident's Guide to Making the Right Call

S.N. Histed, MD, Los Angeles, CA; M. Deshmukh, MD; R. Masamed, MD; S.F. Mohammad, MD; C.M. Jude, MD; M.K. Patel, MD

OB153-ED-X Complications of Gynecologic Surgery

R. Tsai, MD, Saint Louis, MO; V.M. Mellnick, MD; C.A. Raptis, MD; C.L. Siegel, MD; D.A. Raptis, MD

OB161-ED-X Mullerian Duct Anomalies. An Imaged Based Demonstration of the 2013 European Society of Human Reproduction and Embryology (ESHRE) / European Society for Gynaecological Endoscopy (ESGE) Consensus Classification

I. Papadopoulou, MD, London UNITED KINGDOM; K. van Ree, MBBS, FRCA; N. Bharwani, MBBS, FRCA; I. Thomassin-Naggara, MD; A.G. Rockall, MRCP, FRCA

PD001-EB-X Suspected Acute Appendicitis in Children: MRI Appearances, Alternative Diagnoses, and Lessons Learned

J.R. Leschied, MD, Ann Arbor, MI; J.R. Dillman, MD; P.J. Strouse, MD; E.A. Smith, MD; S. Gadepalli, MD; N.S. Sroufe, MD, MPH

PD005-EB-TUA Hereditary Pediatric Renal Cystic Disorders: Imaging of the Kidneys and Beyond

E.A. Smith, MD; A.T. Trout, MD; A. Towbin, MD; J.R. Dillman, MD, Ann Arbor, MI

PD101-ED-X Pelvic Puzzlers: Uncommon Pediatric Pelvic Neoplasms with Radiologic, Clinical, and Pathologic Correlation

S. Cohen, MD, Boston, MA; O. Yilmaz, MD; A.L. Hryhorczuk, MD; D.A. Tracy, MD

PD114-ED-X The Imaging of Takayasu's Arteritis in Children: A Pictorial Essay

E.H. Teo, MBBS, Singapore SINGAPORE; E. Hamouda, FRCA; V. Krishna, MD, FRCA; M.V. Fortier, MD

PD116-ED-X “Wood” You Find It?: Pearls and Pitfalls in Imaging of Common Radiolucent and “Can't Miss” Pediatric Foreign Bodies

L.P. Busby, MD, MPH, San Francisco, CA; A.S. Phelps, MD; J.M. Chang, MD; J.D. MacKenzie, MD; P. Cohen, MD; J.L. Courtier, MD

PD121-ED-M0A6 Tips and Tricks to Evaluate the Urethra Through Serial Voiding-urosonography (VUS): Making it Easy

C. Duran, MD; V.P. Beltran Salazar, MD, Sabadell SPAIN; L. Riera Soler, MD; C. Martin Martinez, MD; D. Preciado, MD; B. Consola, MD

PD124-ED-X
Spectrum of Imaging Findings of Osteoid Osteoma and Differential Diagnosis
Y. Luo, MD, PhD, Nashville, TN; M.R. Prater, MD

PD127-ED-X
Jejunal Involvement in Pediatric Crohn's Disease: Imaging Features and Clinical Implications
K. Wu, MD, Boston, MA; M.S. Gee, MD, PhD; J. Kaplan, MD; K. Nimkin, MD

PD128-ED-X
Calvarial Lesions in Children: A Systematic Approach Based on Clinical and Imaging Findings
L.G. Savarese, MD, Ribeirao Preto BRAZIL; M.B. Cintra; G.N. Simao, MD, PhD; M.H. Nogueira-Barbosa, MD, PhD; A.D. Bellucci, MD, PhD; S.R. Teixeira, MD, PhD

PD157-ED-X
Imaging of Non-traumatic Disorders of the Pediatric Cervical Spine: A Pictorial Review
D.P. Rodriguez, MD, Cincinnati, OH; R.M. Kurtz, MD; M. Silvera, MD

PD164-ED-X
Strategies to Decrease Sedation in Pediatric MRI
C. Jaimes Cobos, MD, Boston, MA; S. Servaes, MD; M. Tisdall; M.S. Gee, MD, PhD

PD167-ED-X
Fetal Airway Obstruction: Embryology, Radiology and Clinical Spectrum of High Air Way Obstruction and Their Role for a Better Management Planning
M.A. Palmejani, MD, Balsamo BRAZIL; M.R. Rodero, MD; F.D. Braojos Braga, MD; U.S. Torres, MD; A.S. Souza, MD; P. Daltro, MD

PD174-ED-SUB7
Pediatric Kidney Transplant Biopsy: The "Core" Essentials
S. Ahuja, MD; M.M. Lee, MD; A.S. Phelps, MD; J.M. Chang, MD; J.D. MacKenzie, MD; J.L. Courtier, MD, San Francisco, CA

PH002-EB-X
How to Optimize the Detection of Conventional and Targeting Contrast Media for Spectral CT?
T.R. Fleiter, MD, Baltimore, MD; M. Daniel, PhD; O. Aras, MD; W. Ghann, PhD

PH102-ED-X
Picking the Best Energy Level in CT Imaging: What the Radiologist Needs to Know
J. Li, Beijing China

PH104-ED-X
Retrospective Value of Spectral CT Technology in Clinical Scenarios
M. Hojjati, MD; P. Rajiah, MD, FRCR, Cleveland, OH

PH112-ED-X
Dual-Energy Imaging and Digital Tomosynthesis: Innovative X-ray Based Imaging Technologies for Rapid and Accurate Diagnosis of Thoracic Disease in Critically Ill Patients
S. Sajja, MS, Toronto CANADA; S. Richard, PhD; F. Ursani; X. Wang, PhD; A. Ursani, BEng; N.S. Paul, MD

PH123-ED-X
Artifacts Seen on Ultrasound Elastography and Techniques to Avoid Them
M.K. Dighe, MD, Seattle, WA; M.F. Bruce, PhD; O. Kolokythas, MD; G. Ferraioli, MD

PH125-ED-X
Ultrasound Physics and Artifacts: A Primer for Radiologists
A. Srinivasa Babu, MD, Darby, PA; J.E. Mackey, MD; O. Teytelboym, MD

RO100-ED-X
Imaging Cutaneous Melanoma. Guidelines in Diagnosis and Follow-up
C.L. Martinez Higueros, MMedSc, Colonia Puerta de Hierro SPAIN; J. Pereda Rodriguez; G. Sanchez del Peral Otero, MD; J. Gonzalez; C. Oliva Fonte; C. Sibaja Castro, MSc

UR004-EB-X
Imaging of Renal Angiomyolipoma: It's Not All About Fat
H.R. Clark, MD, Dallas, TX; P. Kapur, MD; I. Pedrosa, MD

UR008-EB-X
Cystogram "A Forgotten Study"
J. Ramirez Arango, MD, Mexico City MEXICO; M.C. Herrera-Zarza, MD; L.A. Ruiz Elizondo, MD; A. Becerril Ayala, MD; J.L. Criales, MD; K. Kimura, MD

UR105-ED-SUA6
Interactive Experience with Prostate Imaging and Reporting and Data System Version 2
E. Hassanzadeh, MD, Boston, MA; E. Velez, BS; F.M. Fennessy, MD, PhD; R.M. Dunne, MBChB; M.G. Harisinghani, MD; C.M. Tempany-Afjalal, MD

UR116-ED-X
What's Going On With My Kidneys? When Diagnosis is Challenging: Multimodality Imaging in Atypical Nephritis
V. Gomez, San Sebastian SPAIN; J. Vega Eraso; M. Biurrun Mancisidor; G. Arenaza Choperena; G. Vega-Hazas; D. Garcia Asensio

UR119-ED-X
The Nuts and Bolts of the Acute Scrotum: A Multiple Choice Question Case-Based Review of Acute Scrotal Pathology
C. Ma, MD, Los Angeles, CA; A. Pahwa, MD; M.J. Nguyen, MD; M.L. Douek, MD, MBA; S.S. Raman, MD; M.K. Patel, MD



UR122-ED-X
Infiltrative Renal Lesions in Adults – Spectrum of Disease
L.M. Gettle, MD, MBA, Hummelstown, PA; U.A. Rana, MD, MPH; N.I. Sarwani, MD; C.L. Siegel, MD; B.J. Wagner, MD; P.J. Pickhardt, MD

UR129-ED-X
Cysts of the Lower Male Genitourinary Tract, From the Prostate to the Penis
E. Lopez Uzquiza, Santander SPAIN; E. Yllera Contreras, MD; A. Fernandez Florez, MD; P. Lastra Garcia-Baron, MD; M. Drake Perez, MD; G. Lopez Rasines, MD

UR130-ED-X
Review of Retroperitoneal Fat-containing Tumors: Etiologies, Radiological Findings and Clinical Management
Q. Wang, MD, Indianapolis, IN; F. Akisik, MD; T. Tirkes, MD; M. Tann, MD; K. Sandrasegaran, MD

UR133-ED-THA7
Scrotal Ultrasound versus MRI: The Ball is in your Court
I. Mills, MD, New Haven, CT; M. Spector, MD; S. Huber, MD; J.K. Pahade, MD; M. Mathur, MD

UR139-ED-X
Non-invasive Radiological Manifestations of Obstructive Azospermia
W. Kim, MD, Sacramento, CA; A. Nikpour, MD; B. Golshani, MD; E.O. Gerscovich, MD

UR161-ED-X
Multiparametric Ultrasonography of Scrotal Pathology: A Pictorial Review
D.Y. Huang, FRCR, London UNITED KINGDOM; E. Konstantatou, MD, MSc; R.J. Eckersley, PhD; M.E. Sellars, MD, FRCR; P.S. Sidhu, MRCP, FRCR

UR164-ED-SUB7
How to Optimize the Acquisition and Analysis of Diffusion-weighted Imaging in the Prostate for Cancer Assessment
A. Luna, MD; T. Martin, MD, Jaen Spain; L. Alcalá Mata, MD; J. Broncano, MD; J. Sanchez, MD, PhD; M. Volpachio, MD

UR165-ED-X
Role of MRI in Evaluation of Penile Carcinomas: Impact on Staging, Prognosis and Management Decisions
P. Ghosh, MD, MBBS, Kolkata INDIA; S. Sen, MBBS, MD; S. Mukhopadhyay, MD; A. Chandra; D. Lingegowda, MBBS

UR168-ED-X
Adrenal Mass Imaging: A Pictorial Review
M. Tanabe, MD, Ube Japan; T. Ueda; S. Nakao; K. Miyoshi; N. Matsunaga, MD, PhD

UR170-ED-X
Preoperative Assessment of "Zero Ischemia" Robotic-assisted Partial Nephrectomy Should be Performed with "Kidney Friendly" CT: What Radiologists and Technicians Need to Know about the Low-Energy Low-Contrast Dose Renal CT
S. Takahashi, MD, Kobe JAPAN; Y. Ueno, MD; U. Tanaka; Y. Suenaga; N. Negi, RT; K. Kagawa

UR183-ED-X
Congenital Abnormalities of Kidney and Ureter: Embryology, Pathophysiology and Imaging with Emphasis on Role of Fetal MRI
J.N. Shah, MD, Memphis, TN; S. Gupta, MD; H.L. Cohen, MD

VI004-EB-SUB
Vascular Complications Following Liver Transplant: Diagnosis and Intervention
A. Khosla, MD, Dallas, TX; D.T. Fetzer, MD; S.P. Reis, MD; P.D. Sutphin, MD, PhD; C.K. Trimmer, DO; S.P. Kalva, MD

VI005-EB-X
Variceal Embolization: A Resident's Guide to the Many Options for Treating Varices Secondary to Portal Hypertension
A. Khosla, MD, Dallas, TX; B. White, MD; A.K. Pillai, MD; S.P. Kalva, MD

VI100-ED-SUA5
An Update on Oral Anticoagulants for Interventional Radiologists: Getting to Know the Newest Kids on the Block
S. Onderi, MD, Mineola, NY; A.S. Baadh, MD; A. Fadl, MD; A. Lee, BS; J.C. Hoffmann, MD

VI101-ED-X
"It's Complicated": The Role of Diagnostic and Interventional Radiology for Pediatric Organ Transplant Complications
W. Feltus, MD, New York, NY; S. Chheang, MD; P. Schlossberg, MD

VI107-ED-X
What the Heck is Wrong with Those Vessels in the Neck: A Pictorial Review of Disease Entities Associated with Arterial Vasculature in the Neck
N. Patel, MD, Morristown, NJ; J. Patel, MD; K. Scherer, DO; T.M. Yablonsky, MD; S.K. Calhoun, DO

VI111-ED-X
Uterine Arteriovenous Malformations: Endovascular Management and Outcomes
A.K. Abdel Aal, MD, PhD, Birmingham, AL; A.S. Moustafa, MBChB, MSc; R.F. Oser, MD; N.W. Ertel, MD

VI122-ED-X
Techniques for Transarterial Chemoembolization of Hepatocellular Carcinoma With Parasitic Blood Supply
A.S. Moustafa, MBChB, MSc; A.K. Abdel Aal, MD, PhD, Birmingham, AL; S. Saddekni, MD; S. Banerjee, MBBS

VI124-ED-X
Multimodality Approach to AV Fistulas and Grafts: Interpretation and Pitfalls
A. Kessler, MD, Rochester, NY; D.J. Rubens, MD; S. Bhatt, MD, MBBS; T. Sasson, MD

VI127-ED-X
Cementing the Facts: A Review of Vertebroplasty Techniques, Patient Selection and Complications
M. Jesse, MD, Denver, CO; P. Lowry, MD

VI128-ED-X
Transcatheter Arterial Embolization for Type II Endoleak after Endovascular Aortic Repair
K. Azama, Nishihara City Japan; M. Okada, MD; Y. Iriaha; J. Heianna; F. Ganaha, MD; S. Murayama, MD, PhD

VI130-ED-X
Ultrasonography-based Thyroidal and Perithyroidal Anatomy and its Clinical Significance
E. Ha, Suwon Korea, Republic of; J. Baek

VI133-ED-X
Advantage of Diluted Contrast Material Concentration to Reduce Artifact in C-arm Cone Beam-CT
K. Yuba, Tokyo JAPAN; M. Saito, RT; T. Kobayashi, MS; K. Doryo; T. Suzuki; T. Zamami

VI144-ED-X
Tunneled Dialysis Catheters (TDCs): "The Good, the Bad and the Ugly."
N. Venkatanarasimha, MRCP, FRCR, Singapore SINGAPORE; K. Damodharan, MRCP, FRCR; T. Upadhyaya, MBChB; S. Chan, MBBS, FRCR; A. Gogna, MBBS; A. Patel, BMedSc, MBChB

VI150-ED-X
Advanced Interventional Procedures for Revision of Occluded Transjugular Intrahepatic Portosystemic Shunts (TIPS)
A.S. Niekamp, MD, Columbus, OH; B.S. Majdalany, MD

VI154-ED-X
Usefulness of Dual Energy CT for Endoleaks after Endovascular Aortic Repair
E. Sueyoshi, MD, Nagasaki JAPAN; H. Nagayama; H. Koike; I. Sakamoto; M. Uetani, MD

VI167-ED-X
Role of Interventional Radiology in the Palliative Management of Spinal Metastases
A.N. Wallace, MD, Saint Louis, MO; R.O. Chang, BS; J.W. Jennings, MD

VI173-ED-X
Pre and Intra Hospital Resuscitative Endovascular Balloon Occlusion of the Aorta (REBOA): A United Kingdom Level 1 Trauma Center Perspective
R.S. Malliwal, MBBS, London UNITED KINGDOM; C.F. Longman, MBChB, MRCS; J.D. Colledge, MBChB, BSc; S. Sadek; G. Davies; T. Fotheringham, MBBS, FRCR

VI179-ED-X
Play it Again SMA: Normal Anatomy, Variant Anatomy and Pathologies of the Superior Mesenteric Artery with Implications for Modern Endovascular Management
L. Zimmo, MBBS, Cardiff UNITED KINGDOM; R.D. White, MBChB, FRCR; I.A. Zealley, MD; S. Choi, MBChB; A.F. Iqbal, MBChB; J. Weir-McCall, MBChB, FRCR

VI182-ED-X
Root at Risk: Primer of Significant Aortic Root Imaging Findings for Non Cardiovascular Imagers
M.D. Agrawal, MBBS, MD, Arlington, MA; S.S. Hedgire, MD; B.A. Ripley, MD, PhD; R. Blankstein, MD; M.L. Steigner, MD

VI186-ED-X
MDCT of Acute Nonatherosclerotic / Noninflammatory Pathology of the Splachnic Arteries: A Practical Imaging Approach to Aid in Diagnosis and Management
D. Alvarez, MD, Santiago Chile; J. Gutierrez Chacoff, MD; F. Leiter, MD; J. Ortiz Vega, MD; I. Maldonado, MD; C. Varela, MD

VI187-ED-X
Endovascular Management of Persistent Pulmonary Arteriovenous Malformations
A.K. Abdel Aal, MD, PhD, Birmingham, AL; A.S. Moustafa, MBChB, MSc; M.F. Hamed, MD, MSc; H. Attaya; S. Saddekni, MD

VI199-ED-X
A CT-based Step-by-Step Approach for Vasculitis and Vasculitis Mimics on the Basis of the 2012 Revised International Chapel Hill Consensus Conference Nomenclature
J. Hur, MD, Gyeonggi-Do KOREA, REPUBLIC OF; Y. Kim; S. Choi, MD; E. Chun, MD, PhD

VI200-ED-X
Adrenal Vein Sampling: How to Success in Difficult Cases. How to Solve the Problems.
S. Oguro, Tokyo JAPAN; S. Nakatsuka, MD; M. Inoue, MD; H. Yashiro, MD; J. Tsukada; M. Tamura

