

RSNA 2010 Award Winners

Magna Cum Laude

LL-CHE2208
Beyond Skin Deep: Thoracic Manifestations of Systemic Disorders Affecting the Skin

D.R. Yandow II, MD, Madison, WI; J.P. Kanne, MD; G.T. Reizner, MD; C.A. Meyer, MD

LL-GIE2333
The Challenging Image-guided Abdominal Mass Biopsy: Established and Emerging Techniques: "If You Can See It, You Can Biopsy It"

N. Sainani, MD, Boston, MA; R.S. Arellano, MD; P.B. Shyn, MD; D.A. Gervais, MD; P.R. Mueller, MD; S.G. Silverman, MD

LL-GIE2386
Vascular Abnormalities of the Liver and Related Nodules: A Pictorial Review

H. Jang, MD, Toronto CANADA; K. Khalili, MD; H. Yu; T. Kim, MD

LL-MIE2506
Novel Oncologic Drugs: What They Do and How They Affect Images

R. Garcia Figueiras, MD, Santiago De Compostela SPAIN; A.R. Padhani, MD; P.L. Choyke, MD; V.J. Goh, MBBS; S. Baleato; J.C. Vilanova, MD

LL-MKE-M06A
The Clinical Utility of Dual Energy CT in Topacous Gout

M.A. Desai, MD, PhD J.J. Peterson, MD, Jacksonville, FL; M.J. Kransdorf, MD; T.H. Berquist, MD

LL-MSE-TU4A
Taking Stalk: Imaging and Management of Polyps in 2010

V. Mellnick, MD, Saint Louis, MO; R.E. Allman Jr, MD; E.A. Sheybani, MD; M.G. Lubner, MD; C.O. Menias, MD; S. Bhalla, MD

LL-NRE1304-TUB
Genetics of Glioblastoma Multiforme: A Window into Its Imaging and Histopathologic Variability

C.J. Belden, MD, Lebanon, NH; P.A. Valdes; C. Ran; B.T. Harris, MD; D.W. Roberts, MD; M.A. Israel, MD

LL-NRE2789
Unusual Vertebral Artery Origins: Know before You Go

S. Guleria, MD, Milwaukee, WI; W. Brown, MD; J.L. Ulmer, MD; D. Baruah, MD

LL-NRE2801
Post-treatment Imaging in Head and Neck Cancer: What the Radiologist Needs to Know

N. Saito, MD, Hidaka JAPAN; R.N. Nadgir, MD; M. Nakahira, MD; A. Uchino; F. Kimura, MD; O. Sakai, MD, PhD

LL-NRE2904
Nasopharyngeal Carcinoma: MR Imaging Techniques, Staging, and Treatment Evaluation

H. Kuno, MD, Kashiwa JAPAN; H. Onaya, MD; S. Fujii, MD; M. Satake, MD; T. Hayashi, MD; R. Iwata, MD

LL-0BE2932
Postchemoradiation Therapy Changes in the Female Pelvis on MR Imaging: Review of Normal Findings, Complications, and Differentiation from Tumor Residue and Recurrence

M. Levesque, Quebec CANADA; P. Noel, MD

LL-PDE4050
What Is Going on in That Posterior Fossa? The Tale of the Development of the Posterior Fossa

R.F. Riascos, MD, Galveston, TX; E. Bonfante-Mejia, MD; J. Lazor; S.P. Jadhav, MD; M. Caldas Vasquez; L.E. Swischuk, MD

LL-URE4167
Artificial Urinary Sphincter: When and How to Explore—Role of Different Radiologic Tools, and What and How to Report

C. Quintan; J. Alberola, MD; J. Samaniego; M.J. Martinez, MD; I. Ochoteco, MDP, De La Torre, MD, Barcelona SPAIN Cum Laude

LL-BRE-SUGA
The Spectrum of Breast Abscesses: Management Guidelines with Illustrated Examples

I. Trop, MD, Montreal CANADA; L. Lalonde, MD; A. Dugas, MD; M.M. El Khoury, MD; L. Peloquin, MD; J. David, MD, FRCP

LL-BRE-WE6A
To Clip or Not to Clip: Why Placing Marker Clips after Image-guided Breast Biopsy Is Always a Good Idea

M.A. Foster, MD, Palm Desert, CA; H. Ojeda-Fournier, MD; D. Blickenstaff, MD; L.K. Olson, MD

LL-BRE2003
Vascular Abnormalities of the Breast: A Multimodality Imaging Review of Arterial and Venous Disorders, Vascular Masses, and Mimic Lesions with Radiologic-Pathologic Correlation

E. Ballard, Vacaville, CA; G.E. Lattin JR, MD; R.A. Jesinger, MD, MS; S.M. Zelasko, MD; D.M. Lovell, MD; L.M. Glassman, MD

LL-BRE2033
Breast MR Imaging Positioning to Optimize Image Quality

E.D. Yeh, MD, Boston, MA; D. Georgian-Smith, MD; S. Raza, MD; L. Bussolari, RT; J. Hoff, RT; R.L. Birdwell, MD

LL-CAE2056
What the Clinician Needs to Know: Noncoronary Cardiac Findings and Pitfalls in Coronary Computed Tomography Angiography

N. Oyama, MD, PhD, Sapporo JAPAN; T. Sugaya, MD; T. Yamaguchi; T. Sasaki; F. Kato; S. Terae, MD

LL-CAE2068
Pulmonary Valve Disease: Improved Diagnosis with Advanced CT and MR Imaging Technology

E.S. Vogelius, MD, Cleveland, OH; R.C. Gilkeson, MD; P.B. Sachs, MD; R. Aktay, MD; A. Markowitz, MD

LL-CAE2084
Postoperative Evaluation of Patients with Congenital Heart Disease: Role of MDCT and MR Imaging

E.T. Kimura-Hayama, MDM.A. Carpio, MD, Distrito Federal MEXICO; G. Meléndez, MD; G. Peña, MD; E. Rueda Guzman, MD; U. Bacilio-Perez, MD

LL-CAE3131
Cardiac Veins: Comprehensive Radio-Anatomical Classification, and Review of Variants and Clinical Implications Using MDCT

F. Saremi, MD, Orange, CA; H. Muresian, MD, PHD; D. Sánchez-Quintana, MD

LL-CHE-M07A
Advances in Magnetic Resonance Evaluation of the Chest: Perfusion and Diffusion-weighted Imaging

H. Malik, MD, Boston, MA; R.R. Gill, MBBS; H. Mamata, MD, PhD; J. Tokuda, PhD; H. Hatabu, MD, PhD

LL-CHE1057
Common and Uncommon Manifestations of Wegener Granulomatosis on Chest CT: Radiology Pathology Correlation

J.H. Chung, MD, Cambridge, MA; J.P. Kanne, MD; S.R. Digumarthy, MD; J.O. Shepard, MD; A. Sharma, MBBS

LL-CHE1070
Shades of Gray: The Broadening Spectrum of Anatomical and Functional Airway Findings on MDCT Scans That May Mimic Disease in Healthy Individuals

P.M. Boiselle, MD, Boston, MA; D. Litmanovich, MD; C. O'Donnell; D.H. Roberts; A.A. Bankier, MD

LL-CHE2145
Thoracic CT Manifestations of Tuberosclerotic Sclerosis in Adults

A.M. Ajlan, MBBS, Vancouver CANADA; A. Bilawich, MD; N.L. Muller, MD, PhD

LL-CHE2186
Imaging in Asthma and Related Diseases

S.E. Rossi, MD, Buenos Aires ARGENTINA; J. Lopez Moras, MD; M. Volpacchio, MD; I. Rossi; D. Colodenco

LL-CHE2228
Imaging, Staging Evaluation, and Treatment Considerations in Thyromoma

M.K. Benveniste, MD, Houston, TX; M.L. Rosado De Christenson, MD; B.S. Sabloff, MD; C. Moran, MD; S.G. Swisher, MD; E.M. Marom, MD

LL-ERE2233
Uterine Arterial Embolization for Postpartum Hemorrhage: Clinical Indications, Radiologic Findings, and Treatment Efficacies

S. Goshima, MD; M. Kanematsu, MD; H. Kondo, MD; H. Watanabe, MDH. Kawada, MD, Gifu JAPAN; K.T. Bae, MD, PhD

LL-ERE2241
Twist and Shout: Spectrum of Non-bowel Torsion

M. Simard, MDM.G. Lubner, MD, Madison, WI; C.M. Peterson, MD; S. Bhalla, MD; P.J. Pickhardt, MD; C.O. Menias, MD

LL-ERE2246
Evaluation of Cervical Spine Injuries Using Multi-Detector CT

R.J. Makanjji, MD, Miami, FL; F. Namera, MD; D. Dreizin, MD; D.B. Nunez Jr, MD, MPH; L. Rivas, MD

LL-ERE2248
"Infractus Astragalus": Pictorial Review of Talar Bone Fractures

A. Pabon Martinez, MD, San Juan PUERTO RICO; L.E. Garcia, MD; K. Badillo, MD; A.A. Gomez, MD; E. Colon, MD; J.A. Vidal, MD

LL-ERE2277
Temporal Bone Trauma and the Role of MDCT in the Emergency Department

J.O. Zayas, MD, Trujillo Alto, PR; Y.Z. Feliciano, MD; N.I. Sedora-Roman, BS; J.A. Vidal, MD

LL-GIE-SU6A
Magnetic Resonance: Pathological Correlation in Crohn's Disease—Key Points to Improve Clinical Decision-making

J. Rimola, MD, Barcelona SPAIN; M. Cabanas; S. Rodriguez, MD; M. Acetuno, MD; J. Panés; M. Cuatrecasas

LL-GIE2321
Diagnostic Challenges and Pitfalls in Imaging with Hepatobiliary Specific MR Imaging Contrast Agents

M.D. Goodwin, MBChB, Melbourne AUSTRALIA; J.E. Dobson, MBBS; C.B. Sirlin, MD; B. Lim, MBBS; D.L. Stiella, MBBS, FRANZCR

LL-GIE2347
Added Value of Diffusion-weighted Imaging (DWI) in Magnetic Resonance Imaging (MRI) of the Liver and Pancreaticobiliary System: Literature Review and Personal Experience

R. Girometti, MD, Udine ITALY; L. Cereser, MD; D. Bagatto; G. Brondani II, MD; C. Zuiani, MD; M. Bazzocchi, MD

LL-GIE2359
Diffuse Gallbladder Wall Thickening: What Else than Acute Cholecystitis?

A. Snoeckx, MD, Zandhoven BELGIUM; B.J. Op De Beeck, MD; M.J. Spinhoven, MD; R. Salgado, MD; P.M. Parizel, MD, PhD

LL-GIE2430
Magnetic Resonance Imaging Assessment and Literature Review of Crohn's Disease: Spectrum of Findings and Disease Activity, Our Personal Experience

L. Herraiz Hidalgo, Madrid SPAIN; E. Alvarez Moreno; R. Cano Alonso; M. Recio Rodriguez; M. Jimenez De La Peña; V. Martinez De Vega Fernandez

LL-GIE2434
Imaging Assessment of Therapeutic Efficacy in the Era of Targeted Agent: A Comprehensive Review of WHO, RECIST, Modified RECIST, and PERCIST Criteria

M. Lee, Seoul KOREA, REPUBLIC OF; H. Rhim, MD, PhD; M. Park; Y. Kim; D. Choi, MD; H. Lim

LL-GIE2448
Preoperative MR Imaging Evaluation of Perianal Fistula: Spectrum of Imaging Features and Our Experience

J. De Miguel Criado, MD, Coslada SPAIN; M. Diez Pérez De Las Vacas; L. Garcia Del Salto, MD; M. Manzano; A. Marcos; P. Fraga Rivas, MD

LL-GIE2455
Pancreas Transplantation: Normal Appearance, Complications, and Management

M. Moshiri, MD, Bellevue, WA; M.K. Dighe, MD; D. Green, MD; K.K. Kani, MD; A.A. Dick, MD; R. Bakthavatsalam

LL-GIE2479
Non-tumorous Perirectal and Perianal Lesions: Evaluation with High Resolution 3.0 T MRI Protocol

L. Herraiz Hidalgo, Madrid SPAIN; J. Carrascoso Arranz, MD, PhD; E. Alvarez Moreno; R. Cano Alonso; M. Jimenez De La Peña; V. Martinez De Vega Fernandez

LL-GIE2489
Preoperative Staging of Primary Rectal Tumors: Role of Thin Section Multiplanar 2 D T2 FSE Imaging, 3D Cube, and Diffusion-weighted Imaging

H. Kaur, MD, Houston, TX; R. Ernst, MD; T.L. Sagebiel, MD; Y.N. You, MD; P. Hou, PhD; H. Choi, MD

LL-GIE3184
One Goal, Many Roads: Reducing Radiation Dose at CT Enterography

A.K. Hara, MD, Scottsdale, AZ; G. Spencer; J.G. Fletcher, MD; A.C. Silva, MD; L. Yu, PhD; A. Silva

LL-GIE3214
Dual-Energy CT: What Does It Offer to Clinical Practice

N. Kulkarni, MD, Boston, MA; S. Kamalian, MD; A.R. Kambadakone, MD, FRCP; R. Perez Johnston, MD; M. Joshi; M. Doyle, RT

LL-INE1150-THA
Understanding Perfusion Imaging: How Is It Done and How Can It Be Used?

M.H. Rosenthal, MD, PhD, Rosindale, MA; F.L. Jacobson, MD, MPH; S.G. Silverman, MD

LL-INE2502
Natural Language Processing in Radiology

D.L. Rubin, MD, Stanford, CA; S.L. Du Vall, PhD

LL-MKE-M07B
The Gist of the Postoperative Wrist

J. Peitscavage, MD, Seattle, WA; A.S. Ha, MD; F.S. Chew, MD

LL-MKE2532
Limb-sparing Surgery for Distal Femoral and Proximal Tibial Bone Lesions: Imaging Findings with Intraoperative Correlation

C.J. Chakarun, MD, Los Angeles, CA; T.J. Learch, MD; E.A. White, MD; L. Menendez, MD; E.W. Brien, MD; G.R. Matcuk Jr, MD

LL-MKE2551
Langerhans Cell Histiocytosis: The Great Mimicker

S. Shankar, MD, New Hyde Park, NY; M. Edelman, MD; L. Collins; J.S. Choi-Rosen, MD; D.M. Walz, MD; J. Burak, MD

LL-MKE2557
The Deltoid: Forgotten Muscle of the Shoulder

T. Moser, MD, Montréal CANADA; J. Lecours, MD; E. Cardinal, MD; M. Deslandes, MD; E. Desmarais, MD; N.J. Bureau, MD

LL-MKE2614
Tear or No Tear? Imaging Approach to MRI Findings of Labral Lesions with Emphasis on the Collagen Architecture of the Labrum

R.F. Riascos, MD, Galveston, TX; D.F. Lemos, MD; Y.S. Xie, BS; D.L. Resnick, MD

LL-MKE3305-MOB
Ultrasound-guided Musculoskeletal Intervention: Techniques, Tips, and Advances in Treatment

C.L. McCarthy, MD, Oxford UNITED KINGDOM; M. Calleja, MD; S. Shetty, MBBS

LL-NME2709
FDG PET/CT and FLT PET/CT in the Early Prediction of Tumor Response

D.S. Surasi, Boston, MA; R.M. Subramaniam, MD, PhD; M.T. Truong, MD; G. Russo, MD; T. Cooley, MD; P.J. Peller, MD

LL-NRE-TH7B
Third Ventricular Masses and Malformations: The Radiologist's Guide to Normal Anatomical Relations and Differential Diagnoses

C.M. Glastonbury, MBBS, San Francisco, CA; A.G. Osborn, MD; K.L. Salzman, MD

LL-NRE1335
Interactive Web-based CT Temporal Bone Module: Anatomy and Pathology

S.E. Logerfo, MD, Seattle, WA; M.L. Richardson, MD; G.S. Phillips, MD; Y. Anzai, MD

LL-NRE2728
Do You Have the Nerve? Identifying Patterns of Denervation Atrophy in Muscles of the Face and Neck

H. Oh, MDS, Jethwa, Brooklyn, NY; D.L. Reede, MD; W.R. Smoker, MD

LL-NRE2776
Carotid-Cavernous Fistulas: Review of Imaging Findings and Endovascular Treatment Strategies

J.A. Haightcock, MD, Dallas, TX; G. Pride Jr, MD

LL-NRE2784
Radiation Necrosis: When to Suspect and How to Diagnose by Imaging

R. Shah, MD, Oak Park, IL; R. Jacob, MD; J.P. O'Malley, MD; P. Borghei, MD; B.N. Patel, MD; J.K. Cure, MD

LL-NRE2799
Imaging of the Limbic System: Review of Anatomy and MR Imaging Features of Diseases Involving the Hippocampus and the Circuit of Papez

K.E. Hoque, PhD, San Jose, CA; A. Lerner, MD; D.A. Stempel, MD, MBA; M.S. Shiroishi, MD; J.L. Go, MD; O.B. Boyko, MD, PhD

LL-NRE2804
The Dense Jaw: An Approach to Differential Diagnosis

J.K. Cure, MDR, Shah, MD, Oak Park, IL

LL-NRE2812
Diffusion Tensor MR Imaging and Tractography at 3 T: Anatomy and Clinical Applications

M. Recio, Pozuelo De Alarcon SPAIN; V. Martinez De Vega Fernandez; L. Hernandez Gonzalez; L. Herraiz Hidalgo; R. Cano Alonso; E. Alvarez, MD

LL-NRE2897
IgG4-related Inflammatory Pseudotumor in the Head and Neck Region: A Mimicker of Neoplasm

M. Katsura, MD, Bunkyo-ku JPN; A. Kunimatsu, MD; H. Mori, MD; O. Abe, MD, PhD; S. Inano; T. Machida, MD

LL-NRE2926
Revealing the Hidden Anatomy of Selected Structures of the Temporal Bone Using High Resolution Multi-detector Computed Tomography

E. Antypas, MD, Royal Oak, MI; D.L. Noujaim, MD; S.E. Noujaim, MD

LL-0BE-M08B
Static and Dynamic MR Imaging of Pelvic Floor Dysfunction: Pictorial Review

D. Miranda, MD, Esposende PORTUGAL; R. Duarte, MD; M. Ribeiro, MD; A. Salgueiro; M.C. Tavares

LL-0BE2976
Perineal Pathology in the Female Patient

M.T. Heller, MD, Gibsonia, PA; K. Hosseinzadeh, MD; O. Almusa, MD

LL-PDE2993
Lumps and Bumps in the Pediatric Neck: A Practical Guide to Diagnosing Neck Masses in Children

J.M. Anaokar, MD, Los Angeles, CA; S. Muir, MD; N. Salamon, MD; M. Boechar, MD; C. Yim, MD

LL-PDE4012
Vascular Rings and Slings: A Multimodality Radiologic Review

J.R. Dillman, MD, Ann Arbor, MI; A.K. Attili, MBBS; A. Dorfman, MD; P. Agarwal, MD; S. Elshazly, MD; P.J. Strouse, MD

LL-PDE4016
Osteochondritis Dissecans of the Knee, Elbow, and Ankle: Current Concepts

R. Pevsner Crum, DO, Miami, FL; Y. Wu, MD; T. Githu, MD; R. Restrepo, MD; L.F. Cervantes, MD; S. Swirsky, DO

LL-PDE4023
Usefulness of Ultrasonography: Imperforate Anus

T. Han, Chapel Hill, NC; L. Fordham; I. Kim; W. Kim, MD; D. Bidgood; K. Yeon

LL-PHE4075
Demonstration of a Training Module Designed for Clinicians and Residents on Clinical Services to Encourage Their Judicious Use of Computed Tomography Studies

J.M. Andrus, Pittsburgh, PA; G.A. Vorona, MD; M.S. Blackwood, MS; M.S. Hartman, MD

LL-PPE-SU1B
When the Dust Settles: Radiology after Health Care Reform

C.E. Buckle, MD, Chicago, IL; J.E. Nathan, MD; R. Buckle; R.L. Baron, MD

LL-PPE3107
The Basics of Contract Negotiation

J. Scheel, MDM, Huang, MD, Charlottesville, VA

LL-PPE3112
The National Accreditation Program of Mammography: CT and MR Imaging in Korea, Five Years of Experience

W. Choi, Seoul KOREA, REPUBLIC OF; S. Jung, MD; J. Yoo; G. Jang; S. Paik, MD; S.H. Kim, MD

LL-ROE-TU4B
Practical Pain Management for the Diagnostic Radiologist and Radiation Oncologist

D.D. Howell, MD, Ann Arbor, MI; S.T. Lutz, MD

LL-URE3239-THA
Image-guided Percutaneous Radiofrequency Ablation for RCC: Tips and Tricks to Ensure Successful Treatment

A.R. Kambadakone, MD, FRCP, Boston, MA; R.S. Arellano, MD; R.N. Uppot, MD; A. Thabet, MD; A.E. Samir, MD; P.R. Mueller, MD

LL-URE4127
Normal and Abnormal Imaging of Urachus

J. Isogai, Hasuda JAPAN; M. Tezuka

LL-VE3151
Adrenal Venous Sampling: How to Do It!

T. Araki, MD, Chuo JAPAN; H. Okada; K. Kimura; T. Araki, MD

LL-VIE4192
Interventional Radiology Handling of Complications in Pediatric Patients after Liver Transplantation: A Pictorial Essay

A. Alvarez Muelas, MD, Madrid SPAIN; A. Alvarez Luque IV, MD; I. Acitores Suz; C. Prieto, MD; G. Garzon, MD; J. Novo Torres

LL-VIE4196
Vascular Complications of Solid Organ Transplant in the Abdomen and Pelvis

J.A. Hanson, MDM.G. Lubner, MD, Madison, WI; O.S. Ozkan, MD; N.E. Saad, MBBS; C.O. Menias, MD

LL-VIE4255
Navigational Guides for Image-guided Biopsies: A Peek into the Next Generation

R.N. Uppot, MD, Boston, MA; S. Gupta, MBBS, MD; M.S. Gee, MD, PhD; P.R. Mueller, MD

LL-BRE2002
Imaging of the Augmented Breast: A Pictorial Review

RSNA 2010 Award Winners

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LL-BRE3285

MR Imaging of the Reconstructed Breast: Expected and Unexpected Findings

V.M. Dialani, MDS.S. Joshi, MD, Memphis, TN; K.C. Lai, MD; P.J. Slanetz, MD, MPH

LL-BRE3288

Interactive Breast Radiology-Pathology Biopsy Case Review: Management—Is It Concordant?

J.E. Gillis, MD, Charlottesville, VA; C.P. Ho, MD; K. Atkins, MD; J.A. Harvey, MD; B.T. Nicholson, MD

LL-BRE3291

A Practical Approach to Imaging the Axilla: Expected and Unexpected Findings

D.M. Ferris, MD, PhD, Boston, MA; V.M. Dialani, MD; P.J. Slanetz, MD, MPH

LL-CAE-M07A

Assessment of Left Ventricular Diastolic Function by MR: What Radiologists Should Know

R. Duarte, MD, Matosinhos PORTUGAL; G.C. Fernandez, MD

LL-CAE-TU6A

The Basics of Cardiopulmonary Bypass (CPB): Normal and Abnormal Postoperative Appearances and Interpretation Pitfalls with Correlation to Surgical Technique

A. El-Sherief, MD, Marblehead, MA; C.C. Wu, MD; A. Cheng, MD; B. Little, MD; S. Abbara, MD

LL-CAE-W6A

Comprehensive MDCT Evaluation of Patients with Pulmonary Hypertension: Diagnosing Underlying Causes from Left Heart, Lung-to-Right-Heart

H. Tsai, MD, Taichung TAIWAN; I. Tsai, MD; W. Tsai, MD; W. Liao; M. Chen; P. Lin

LL-CAE-W6B

Comprehensive Evaluation of Patients with Suspected Prosthetic Heart Valve Disorder Using MDCT: Protocol, Interpretation, and Disease Gallery

H. Tsai, MD, Taichung TAIWAN; I. Tsai, MD; W. Tsai, MD; M. Chen; W. Liao; C. Chen

LL-CAE-W7A

Echo 101: What Every Radiology Resident Should Know

N. Goyal, MD, Staten Island, NY; R. Benenstein, MD; N. Morgan

LL-CAE2051

Vices of Cardiac and Vascular Devices on Chest X-ray: What Every Radiologist Needs to Know about Cardiac and Vascular Devices When Evaluating Chest Radiographs

V. Van Driessche, MD, Gent BELGIUM; M. De Pauw; K.L. Verstraete, MD, PhD; D. Devos, MD

LL-CAE2053

Postcardiotomy Syndrome Following Transvenous Pacer/Defibrillator Insertion: CT Imaging and Review of the Literature

J. Kirsch, MD, Weston, FL; M. Helguera; R.J. Blandon, MD; M.S. White-man, MD; S. Pinski, MD

LL-CAE2059

CT and MR Imaging Evaluation of the Patent Ductus Arteriosus: Creative Strategies for Optimal Viewing

M.K. Atalay, MD, PhD N. Walle, MD, Providence, RI; C.H. Mitchell, MD

LL-CAE2061

The Cardiac Cycle by MR and CT: What the Radiologist Needs to Know

M.S. Nacif, MD, PhD, Bethesda, MD; R.A. Noureddin, MD, MSC; E.B. Turkiye, MD; C. Sibley; S. Liu; D.A. Blumke, MD, PhD

LL-CAE2069

Baffled by the Baffles? Baffles and Conduits Demystified

P. Agarwal, MD, Ann Arbor, MI; A.K. Atili, MBBS; I. Valverde; A. Dorfman, MD; J. Lu; P. Beerbaum, MD

LL-CAE2072

Plain Film Interpretation of Cardiac Diseases: A Lost Art

B.E. Helfner, MD, Manhasset, NY; R.D. Shah, MD; J. Chusid, MD; J.S. O'donnell, MD; K. Tran, MD; S. Patel, MD

LL-CAE2077

Truncus Arteriosus and Aorta-Pulmonary Anomalies: Embryology, Anatomy, Pathophysiology, and Spectrum of Imaging Findings

H. Murillo, MD, PhD, San Antonio, TX; M.J. Lane, MD; J.A. Delgado, MD; E.T. Kimura-Hayama, MD; C.S. Restrepo, MD

LL-CAE2079

Evaluation of Cyanotic Congenital Heart Disease: Role of MR and MDCT

E.T. Kimura-Hayama, MDJ. Del Valle, MD, Cuautla MEXICO; S.A. Crialles; R. Pale, MD; G. Meléndez, MD; L. Avila-Rosales, MD, PhD

LL-CAE2082

Clinical Evaluation of Cardiovascular Disease Using 4D Flow

T.A. Hope, MD, San Francisco, CA; M.D. Hope, MD; S. Muzzarelli, MD; M. Ohliger, MD, PhD; M.T. Lu, MD; K.G. Ordovas, MD

LL-CAE2106

Myocardial Stress CT Perfusion: Technical Issues and Initial Experience

T. Techasith, BS, Boston, MA; B.B. Ghoshhajra, MD; R. Blankstein, MD; T.J. Brady, MD; R.C. Cury, MD

LL-CHE1053-TUB

Ushering in the Seventh Generation: Revisions in the Latest Seventh Edition on the Lung Cancer TNM Staging System and How the Changes Affect Us

M.T. Tran, MD, Dallas, TX; E.N. Moody, MD; S. Amin, MD; S. Adams, MD; W.A. Erdman, MD; K.G. Jordan, MD

LL-CHE1062

Electromagnetic Navigation Bronchoscopic Procedures (ENB): A to Z

A. Vij, MBBS, MPH, Boston, MA; S.R. Digumarthy, MD; L. Khorashadi, MD; A. Sharma, MBBS; M.D. Gilman, MD; J.O. Shepard, MD

LL-CHE1063

The Elephant Trunk Procedure for Aortic Aneurysm Repair: Indications, Technique, Normal CT Appearance, and Complications

P.T. Johnson, MD, Baltimore, MD; J.H. Black III, MD; F.M. Corl, MS; E.K. Fishman, MD

LL-CHE1215

Where Are They All Hiding? Common Blind Spots on Chest Radiography

K.L. Humphrey, MD, Boston, MA; C.C. Wu, MD; M.D. Gilman, MD; A. El-Sherief, MD; J.O. Shepard, MD; G.F. Abbott, MD

LL-CHE2124

Diffuse Pulmonary Hemorrhage: Clues to the Diagnosis

J.H. Chung, MD, Cambridge, MA; S.R. Digumarthy, MD; G.F. Abbott, MD; A. El-Sherief, MD; J.O. Shepard, MD; A. Sharma, MBBS

LL-CHE2126

Lung Cancer Follow-up: Nonmalignant Complications

E. Castaner, MD, Sabadell SPAIN; M. Andreu, MD; X. Gallardo, MD; J. Andreu, MD; Y. Pallardo-Calatayud, MD; O. Persiva

LL-CHE2128

Imaging, Staging Evaluation, and Treatment Considerations for Malignant Pleural Mesothelioma

M.T. Truong, MD, Houston, TX; C. Viswanathan, MD; M.C. Godoy, MD; M.K. Benveniste, MD; G.W. Gladish, MD; E.M. Marom, MD

LL-CHE2134

Paraneoplastic Syndromes: Pathophysiology, Clinical, and Imaging Manifestations

A.P. Carswell, MD, San Antonio, TX; C.S. Restrepo, MD; M.J. McCarthy, MD

LL-CHE2138

Bronchoalveolar Carcinoma (BAC) Unmasked: The Many Guises of Adenocarcinoma with a BAC Pattern of Growth

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LL-CHE2140

CT-guided Transthoracic Core Needle Biopsy in the Molecular Profiling Era: Tips and Tricks

C. Lee, MD, Los Angeles, CA; A.J. Gutierrez, MD; F.G. Abtin, MD; R.D. Suh, MD

LL-CHE2144

Centrilobular Nodules: A Bulls Eye Diagnosis?

T.T. Healey, MD, Cranston, RI; G.F. Abbott, MD

LL-CHE2148

Thoracic Trauma in the Current US Deployment Environment: Overview of the Clinical and Radiologic Manifestations in Afghanistan and Iraq Based on the Experience of Military Radiologists

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LL-CHE2150

Smoking-related Diffuse Lung Disease: Initial Pathologic Correlation, Then Long Term Follow-up with Serial Chest CT Scans

H. Lee, Songpago KOREA, REPUBLIC OF; M. Kim, MD, PhD; H. Hwang, MD; J. Seo, MD, PhD; J. Song, MD, PhD

LL-CHE2166

Clinical Applications of a Dual-Energy CT in Thorax

J. Kim, MD, Seoul KOREA, REPUBLIC OF; E. Chae, MD; J. Seo, MD, PhD; J. Song, MD; N. Kim, PhD; B. Krauss, PhD

LL-CHE2174

Pulmonary Artery Stents: Imaging Overview

C.S. Restrepo, MD, San Antonio, TX; S. Bailey, MD; E. Kimura; F.R. Gutierrez, MD; J.E. Lopera, MD; S. Martinez-Jimenez, MD

LL-CHE2179

Imaging of the Diaphragm: Anatomy and Function

L.K. Nason, MD, Seattle, WA; C.M. Walker, MD; G. Kicska, MD, PhD; J.O. Swanson, MD; G.P. Reddy, MD; D. Godwin, MD

LL-CHE2181

Image-based Phenotyping of COPD

Y. Lee, Seoul KOREA, REPUBLIC OF; J. Seo, MD, PhD; N. Kim, PhD; E. Chae, MD; Y. Oh, MD, PhD; S. Lee, MD

LL-CHE2199

MDCT and Advanced Postprocessing in Planning, Assisting, and Evaluating Complex Bronchoscopic Minimally Invasive Airway Interventions

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LL-CHE2201

Holes in the Lungs: A Review with HRCT

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LL-CHE2205

Pitfalls in Diagnosis of Community-acquired Pneumonia

L. Washington, MD, Durham, NC; H. McAdams, MD; J.D. Christensen, MD

LL-CHE2215

Pulmonary Paracoccidioidomycosis (PCM): X-ray and High-Resolution Computed Tomography (HRCT) Findings

V.B. Amorim; P.H. Martins, MDT.C. Takayasu, MD, Rio De Janeiro BRAZIL; M.M. Barreto, MD; E. Marchiori, MD, PhD; D.L. Escussato, MD

LL-CHE2217

The Rosetta Stone: Translating the Language of HRCT

B. Blumenthal, MD, New Hyde Park, NY; N. Rahmani, MD; A. Khan, MD; T.J. Lee, MD

LL-CHE2220

Esophageal Cancer: Staging and Treatment Response Assessment with Multimodality Approach

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LL-CHE2221

Predictors of Recurrence in Post-Radiofrequency and Microwave Ablation of Lung Tumors

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LL-CHE2223

Organizing Pneumonia Demystified

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LL-ERE-SU3A

Lost and Found: MR Imaging Findings of Ectopic Pregnancy

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LL-ERE1263

Thoracic Pseudotrauma: Normal CT and Radiographic Findings That Can Mimic Traumatic Injuries

M.H. Nett, MD, Seattle, WA; M.J. Modica, MD; R.K. Lau, MD; M.L. Gunn, MBChB

LL-ERE1264

Abdominal and Pelvic Pseudotrauma: Normal Imaging Findings That Simulate Traumatic Injuries in the Abdomen and Pelvis on CT

M.J. Modica, MD, Seattle, WA; M.H. Nett, MD; M.L. Gunn, MBChB

LL-ERE1269

Normal Anatomy and Pathology of Appearances of Same-Day and Short-Stay Medical and Surgical Procedures

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LL-ERE2231

Multi-Detector CT Imaging of Traumatic Abdominal Wall Hernias

P.D. Poulos, MD, Stanford, CA; M.P. Federle, MD; W. Wan, BA

LL-ERE2234

eMcRgencies: MR Imaging of Emergent Conditions

R.A. Parker III, MD, Saint Louis, MO; C.E. Jakerst, MD; V. Melnick, MD; C.A. Raptis, MD; S. Bhalla, MD; J.C. Baker, MD

LL-ERE2235

Emergent Pediatric Sonography: What Every Radiologist Should Know

J.R. Cogley, MD, Enfield, CT; K. Al Dulaimy, MD; S.C. O'Connor, MD; R. Houshyar, MD

LL-ERE2236

Thinking Outside the Appendix: MR Imaging of the Acute Abdomen in Pregnancy

R.A. Parker III, MD, Saint Louis, MO; K.J. Fowler, MD; S. Cardall, MD; A.W. Tai, MD; C.A. Raptis, MD; C.O. Menias, MD

LL-ERE2244

Imaging of Cervical Spine Trauma Revisited

T. Inaoka, MD, Asahikawa JAPAN; K. Ohashi, MD; G.Y. El-Khoury, MD; T. Moritani, MD, PhD; K. Takahashi, MD; T. Aburano, MD

LL-ERE2245

The Ring: A Pictorial Review of MDCT in the Evaluation of the Pelvic Ring Fractures

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LL-ERE2255

Imaging of Acute Abdominal Pain in Pregnant Patients with an Emphasis on MR Imaging

C. Schmid-Tannwald, MD, Chicago, IL; J. Yacoub, MD; G. Agrawal, MD; F. Dahi; R.D. Ernst, MD; A. Oto, MD

LL-ERE2259

Cardiac Trauma: The Role of Imaging in Diagnosis and Patient Care

C.S. Restrepo, MD, San Antonio, TX; S. Martinez-Jimenez, MD; F.R. Gutierrez, MD; F. Munera, MD; T. Bauch, MD; M.J. McCarthy, MD

LL-ERE2272

Blood in the Brain: What Lies Beneath? Diagnostic Accuracy of Multidetector Row CT Angiography in Spontaneous Intraparenchymal Haemorrhage

M. Adan-Martin, MBChB, Toledo SPAIN; A. Pérez Martínez; A. Valentín Martín, MBChB; I. Herrera; J. Garcia Benassi; E. Fandiño Sr, MD

LL-ERE2278

The Role of Whole Body 64 MDCT Angiography for Blunt Polytrauma

D. Dreizin, MD, Miami Beach, FL; M. Foley, MD; F. Munera, MD

LL-ERE2281

The Role of MDCT in Acute Gastrointestinal Bleeding (AGIB)

E. Zabia Galindez, MD, Madrid SPAIN

LL-ERE2282

Chip Fractures Around the Knee: The Tip of an Iceberg!

M. Kumaravel, MBBS, Houston, TX; J.M. Ramos; N.M. Beckmann, MD; R.E. Klinglesmith JR, MD

LL-GIE-M06A

Complications of Gallstones: The Mirizzi Syndrome, Gallstone Ileus, Bouveret Syndrome, Gallstone Pancreatitis, and Complications of "Lost" Gallstones

C.O. Menias, MD, Saint Louis, MO; K.P. Kantawala, MD, DMRD; S.K. Sonavane, MD; K.M. Elsayes, MD

LL-GIE-M07B

Pictorial Review of Gastrointestinal Abnormalities as Seen on Ultrasound

M.K. Dighe, MD, Seattle, WA; P. Bhargava, MBBS; K.K. Kani, MD; R.N. Chaubal, MBBS; N.G. Chaubal, MD

LL-GIE-M09A

Inflammatory Pseudotumors in Abdominal Imaging: Making the Differential Diagnosis

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LL-GIE-SU7B

MDCT in Upper Gastrointestinal Obstruction: A Pictorial Review

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LL-GIE-SU8A

MR Anatomy and Pathology of Mesorectum. Essentials for the Radiologist in Staging Rectal Carcinoma

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LL-GIE-T77B

Assessment of Bowel Diseases Using Trans-abdominal Ultrasonography and Correlation with Other Imaging Modalities and Surgical Findings

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LL-GIE2481

Are There Any CT Features Differentiating among Gastric Submucosal Lesions?

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LL-GIE2491

Spoon Full of Barium: A Pictorial Review of Modified Barium Swallow aka Cine Esophagram with Speech Therapist

R. Houshyar, MD, Springfield, MA; J.R. Cogley, MD; T.M. Catanzano, MD; P.B. Markarian, MD

LL-GIE3190-THB

Infection, Inflammation, Ischemia, or Malignancy: Can We Ever Narrow the Differential Diagnosis of Colonic Abnormalities?

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LL-GIE3220

Hepatic Metastasis from Colorectal Cancer: From Detection to Treatment

S. Kim, MD, Seongnam KOREA, REPUBLIC OF; Y. Kim; K. Lee, MD; J. Kim; J. Cho; K. Lee

LL-GIE3221

Diffusion-weighted Imaging of Biliary Tract Disorders: Correlation with Conventional MR Imaging

S. Kim, MD, Pusan KOREA, REPUBLIC OF; N. Lee, MD; G. Kim; D. Kim; H. Seo, MD

LL-INE-TU4B

Lessons Learned from Implementing an AIH CAD System for Diagnosing Battlefield Brain Injuries

J.F. Fernandez, MD, MS, Los Angeles, CA; M.P. Brazaitis, MD; F.M. Munter, MD; R. Desphande; J. Lee, MD; B.J. Liu, PhD

LL-INE-WE4B

Automatic Segmentation of Liver Tissue and Vessels for Liver Surgery Planning

X. Zhang, J. Tian, PhD, Beijing CHINA; F. Yang; X. Li

LL-INE1208-SUB

SIVIC: A Vendor Agnostic, Extensible, Open Source Software Framework for Processing and Visualizing MR Spectroscopy Data Using the DICOM Standard

J.C. Crane, PhD, San Francisco, CA; M. Olson, BS; S.J. Nelson, PhD

LL-INE1213-WEA

Echocardiography-like Image Interpretation of Cardiac CT Data

M. Teistler, PhD, Erlangen GERMANY; M. Wagner; O.J. Bott, PhD

LL-INE1237-TUA

MAYA v 2.0: An Audience Response System (ARS) Optimized for Web-based Mobile Computing Platforms (iPhone, iPad) to Enhance Interactive Learning in Radiology Resident Conferences with Automated Attendance and Questionnaire Polling Tools

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LL-MKE-SU7A

Pitfalls in Musculoskeletal Tumor Follow-up

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LL-MKE-SU9A

Bisphosphonate Complications with an Emphasis on Fracture Pattern and Prediction

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LL-MKE-TH6B

The Painful Shoulder Arthroplasty: Imaging Evaluation

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LL-MKE-TU6A

MR Imaging Atlas of Normal Anatomic and Developmental Variants of the Knee

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LL-MKE2515

Imaging of Osseous and Extra-Osseous Features in Erdheim-Chester Disease: A Pictorial Review

O. Adib, Angers FRANCE; E. Baroth; L. Perard; J. Scoazec; L. Vervueren; C. Aubé, MD

LL-MKE2520

The Spectrum of Superior Labral Anterior and Posterior (SLAP): 1-10 Lesions of the Shoulder including Normal Anatomy, Pathology, and Potential Pitfalls in Diagnosis

H. Torshizy, MD, San Diego, CA; C.B. Chung, MD

LL-MKE2526

Unraveling the Mystery of the Biceps Sling: Anatomy, Pathology, and Pitfalls

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LL-MKE2542

Sesamoids and Accessory Ossicles of the Foot: Anatomy—Significance of Imaging and Clinical Relevance

L.E. Diaz, MD, Needham, MA; A.R. Goud, MD; W.F. Arndt III, MD; F.W. Roemer, MD; N. Malguria, MBBS; G. Ali, MD

LL-MKE2543

Small Peripheral Nerve Imaging Using High-Resolution 3D Diffusion-based PSIF MR Neurography (MRN)

T.K. Subhawong, MD, Baltimore, MD; K.C. Wang, MD, PhD; S.K. Thawait, MD; A.J. Machado, MD; A. Padua; E. Williams

LL-MKE2544

Benign Surface and Soft Tissue Cartilage Tumors

J.M. Takahashi, MD, Denver, CO; B.D. Petersen, MD

LL-MKE2552

Elbow Arthroplasties and Osteoarticular Allograft Replacement: Indications, Imaging, and Complications

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LL-MKE2571

Multiple Bone Lesions in the Oncology Population: Looking beyond Metastases

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LL-MKE2579

Transient Lateral Patellar Dislocation: Review of Imaging Findings, Patelofemoral Anatomy, and Treatment Options

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LL-MKE2595

That Sinking Feeling: A Radiographic Approach to Acquired Adult Flat Foot

C.M. Foster, MD, Chesapeake, VA; A.S. Ha, MD; F.S. Chew, MD

LL-MKE2609

CT of the Hip Prosthesis: Appearance of Components, Fixation, and Complications

T.D. Roth, MD, Indianapolis, IN; R.H. Choplin, MD; K.A. Buckwalter, MD

LL-MKE2611

Injuries of the Medial Collateral Ligament: A Multimodality Review

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LL-MKE2612

Diseases with Abnormal Deep Fascia on MRI: Several Clues of Differential Diagnosis

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LL-MKE2620

Synovial Lesions with Low Signal Intensities on T2-weighted MR Image

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LL-MKE2627

Imaging of the Diabetic Foot Revisited

R.A. Loreda, MDA, Rahal, MD, San Antonio, TX; G.M. Garcia, MD; T. Zgonis

LL-MKE3303

Ultrasound-guided Platelet Rich Plasma Treatment of Tendinopathies: How We Do It

K.S. Lee, MD, Madison, WI; J. Wilson, MD, MS

LL-MKE3306-SUA

All You Need to Know about CT Arthrography

A. Rastogi, MD, Madison, WI; K.W. Davis, MD; K.A. Buckwalter, MD; K.L. Schreiber, MD, PhD; D.G. Blankenbaker, MD

LL-MKE3316

Demystifying Acetabular Fractures and the Letournel-Judet Classification: An Interactive Web-based CT Anatomy Learning Module

J.Y. Tang, MD, Seattle, WA; M.L. Richardson, MD

LL-MKE3318

Operative Management of Common Adult Acquired Foot Deformities: Surgical Procedures and Postoperative Imaging Evaluation

J.W. Stephenson, MD, Saint Louis, MO; M.P. Holcombe, MD; J.C. Baker, MD; D.E. Wessell, MD, PhD

LL-MKE3319

MSK Hardware: An Interactive, Web-based, Database-backed Atlas of Musculoskeletal Hardware

B.B. Chou, MD; E.M. Escobedo, MDT, R. Nolan, MD, Napa, CA; J.B. Winblad, MD; M.L. Richardson, MD

LL-MKE3324

CT Arthrography of the Shoulder: Technique, Indications, and Applications with Emphasis on 3D CT

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LL-MSE-TU4B

Clinical Applications of Dual Energy CT

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LL-MSE1296

Pseu- Pseu- Pseudo! Pseudolesions of the Chest, Abdomen, and Pelvis

C.A. Raptis, MD, Valley Park, MO; D. Raptis; K.J. Fowler, MD; T.S. Henry, MD; C.O. Menias, MD; S. Bhalla, MD

LL-MSE2641

Paragangliomas from Head to Toe: Imaging and Pathologic Findings

L.A. Johnson, MD; T.A. Kennedy, MDM, G. Lubner, MD, Madison, WI; L.R. Gentry, MD; P.J. Pickhardt, MD; S. Bhalla, MD

LL-MSE2642

Lymph Node Imaging: Current Concepts and Future Perspectives

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LL-MSE2643

Hereditary Cancer Syndromes: What Should a Radiologist Know?

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LL-MSE2644

Castleman Disease: The Great Mimicker

D. Bonekamp, MD, PhD, Baltimore, MD; K.M. Horton, MD; E.K. Fishman, MD

LL-MSE2645

Follow-up Guidelines: How and When—A Quick Review for Abdominal Imagers!

C.G. Lall, MD, Indianapolis, IN; K. Sandrasegaran, MD; R. Lamba, MBBS, MD; S. Verma, MD; L. Aganovic, MD; S.S. Raman, MD

LL-MSE2646

Diffusion-weighted Imaging: Principles and Applications in Body Imaging

A.A. Malayeri, MD; M.A. Jacobs, PhD; A. Zaher, MD; R. El Khoul; I.R. Kamel, MD, PhD K.J. Macura, MD, PhD, Catonsville, MD

LL-MSE2647

Soft Tissue Metastases: Often Overlooked Sites of Spread

M. Romero, MD, Los Angeles, CA; E.A. White, MD; W.D. Boswell Jr, MD; V.A. Duddalwar, MD, FRCR

LL-MSE2673

Omental and Muscle Flaps for Reconstruction Following Abdominoperineal Resection and Pelvic Exenteration: Applications, Post-surgical Anatomy, and Radiologic Appearance

S.C. Faria, MD, Houston, TX; T.L. Sagebiel, MD; Y.N. You, MD; A. Balachandran, MD; J.M. Sacks; P.R. Bhosale, MD

LL-NME-M06A

C-11 Acetate PET/CT and Prostate Cancer

A. Danielson, MD, Los Angeles, CA; J. Czernin, MD; C. Schiepers, MD, PhD

LL-NME-WE6A

Clinical Utility of 18F-Fluoride PET/CT to Evaluate Musculoskeletal Abnormalities

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LL-NME2697

Are You Having Trouble Localizing Parathyroid Adenomas? Improve Localization Using Evidence-based Medicine

V. Vijayakumar, MD, Jackson, MS; C.R. Araujo, MD; S. Sebastian, MD

LL-NME2700

Imaging Algorithm prior to Epilepsy Surgery with Special Emphasis on Nuclear Medicine Techniques

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LL-NME2702

Got Fusion? The Limitations of Single-Modality Imaging

S. Hobbs, MD, Lexington, KY; B.W. Hamon, MD; E. Cheatham; M. Oates, MD

LL-NME2703

What Went Wrong? Common Causes of False-Positives in Myocardial Perfusion Imaging

R.A. Dvorak, MD, Ann Arbor, MI; R.K. Brown, MD; J.R. Corbett, MD

LL-NME2705

Role of FDG-PET/CT in Differentiating Tumor Recurrence from Radiation-induced Pulmonary Fibrosis after Stereotactic Body Radiotherapy (SBRT) for Lung Cancer

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LL-NME2714

Tc99m-HDP SPECT-CT Is Invaluable in the Investigation of Foot and Ankle Pain

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LL-NRE-TU6B

Clinico-Radiological Approach to Bilateral Basal Ganglia Lesions

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LL-NRE-TU7B

Vasculitis in the Head and Neck: When to Suspect It

M. Chapman, MD, Boston, MA; R.N. Nadgir, MD; N. Saito, MD; A. Fujita, MD; O. Sakai, MD, PhD

LL-NRE1301-M0A

MR Imaging Findings in Glioblastoma Treated with Bevacizumab

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LL-NRE1306

Response Assessment in Neuro-Oncology (RANO) Criteria: Redefinition of MacDonald Criteria in the Era of Modern Chemotherapy

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LL-NRE1314

Variation of Dural Sinuses and Its Clinical Significance in the Treatment of Intracranial Dural Arteriovenous Fistulas

H. Kiyosue, MD, Oita JAPAN; H. Mori, MD; S. Tanoue, MD

LL-NRE1327

Mediastinal Pathologies Presenting with Unilateral Vocal Cord Paralysis: Hoarseness and the Course of the Recurrent Laryngeal Nerve

C.M. Paquette, MD, Halifax CANADA; D. Manos, MD; B. Psooy, MD

LL-NRE1333

Non-syndromic Single Suture Craniosynostosis: Radiographic Diagnosis, Corrective Surgical Procedures, and Postoperative Imaging Findings

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LL-NRE1341

Clamping Down on Craniocervical Junction Injuries

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LL-NRE1345

The Human Brain in 2010 Pieces: An Interactive 3D Atlas of Structure, Vasculature, Tractography, and Function

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LL-NRE2723

Functional MR Imaging of Head and Neck Cancer: State-of-the-Art

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LL-NRE2730

The Mystery of the Missing Lens and More: An Interactive Case-based Review of Bilateral Orbital Abnormalities

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LL-NRE2731

Carotid Space: Normal Anatomy and Pathology

L. Bangiyev, DO, Brooklyn, NY; H. Oh, MD; D.L. Reede, MD; W.R. Smoker, MD; R.A. Holliday, MD; L.R. Gentry, MD

LL-NRE2739

This Is Your Brain on Drugs: Imaging of CNS Drug-related Changes

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LL-NRE2742

Preoperative CT and MR Angiography Protocols for Composite Tissue Allotransplantation of the Face

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LL-NRE2762

The Multifaceted Manifestations of ANCA-associated Granulomatous Vasculitis (Wegener's Granulomatosis) in the Head, Neck, and Spine: A Pictorial Review

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LL-NRE2765

Head and Neck Imaging: Role of Basic and Advanced MR Imaging Techniques in Assessment of 'the Good, the Bad and the Ugly'

A. Srinivasan, MD, Ann Arbor, MI; J. Schafer, MD; S.K. Mukherji, MD

LL-NRE2767

A Review of Anatomy and Pathology of Cavernous Sinus: The Neurovascular Hub

J. Narang, MBBS, MD, Detroit, MI; B. Griffith, MD; S.C. Patel, MD; R. Jain, MD

LL-NRE2779

Shedding Light on the Penumbra: CT and MR Approaches to the Tissue at Risk in Acute Ischemic Stroke

S. Remollo, Girona SPAIN; J. Puig Alcantara, MD; G. Laguillo, MD; E. Gomez, MD; A. Quiles; S. Pedraza, MD

LL-NRE2782

Cross-sectional Imaging for Hyperparathyroidism: Keys to Locating and Identifying Parathyroid Lesions on Routine MR Imaging and CT

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Complications of the Fontan Circulation: A Review Based on 40 Cases with a Failing Fontan Circuit
G. Khama, MD, Saint Louis, MO; K.W. Cummings, MD; G.K. Singh, MD; S. Bhalla, MD

LL-PDE-TH4B

Vascular Emergency and Nonemergency Situations in Neonates and Young Infants: Diagnosis, Evaluation, and Follow-up Imaging
M. Epelman, MD, Bala Cynwyd, PA; K. Darge, MD, PhD; J.C. Hellinger, MD

LL-PDE1082

Whole-Body MR Imaging in Children: Principles, Technique, Current Applications, and Future Directions
G.B. Chavhan, MD, Toronto CANADA; P.S. Babyn, MD

LL-PDE1096

Pediatric Radiologist Role for Crohn's Disease: What Clinicians Want to Know
H. Yoon, MD, Seoul-City KOREA, REPUBLIC OF; C. Yoon; E. Ji, MD; K. Kim

LL-PDE2985

Magnetic Resonance Enterography (MRE) Findings in the Evaluation of Inflammatory Bowel Disease in the Pediatric Population and Correlation with Fluoroscopic and Multidetector Computed Tomographic Techniques
P. Patel, MS, MD, Rochester, NY; M. Ormanoski, DO; J.G. Blickman, MD, PhD; K. Hoadley; V. Kumar, MD

LL-PDE2990

X-rays Are Normal But It Still Hurts!
S. Tyson, MDN. Vachhani, MD, Cleveland, OH; P. Karakas

LL-PDE4005

MR Imaging Findings of Intraarticular Masses in Children
H. Kim, MD, Cincinnati, OH; A.M. Zbojniec, MD; K.H. Emery, MD; J. Cheon, MD; I. Kim

LL-PDE4024

A Practical Approach to Identification of Vascular Anomalies in Children and Infants Based on Imaging Characteristics
S.K. Thawait, MD, Baltimore, MD; A. Tekes, MD; L.M. Fayad, MD; S.E. Mitchell, MD; K. Puttgen; J.A. Carrino, MD, MPH

LL-PDE4025

Juvenile Idiopathic Arthritis from Head to Toe: Clinical, Radiological, and Imaging-guided Therapeutic Considerations
M. Rebollo, MD, Ottawa CANADA; J. Roth, MD; T. Persaud; K. Koujok, MD; N. Shenouda, MD; E. Miller, MD

LL-PDE4044

Inguinal Abnormalities in Children, Infants, and Neonates: US Findings—A Pictorial Review
M. Saguintaah, MD, Montpellier FRANCE; C. Veyrac, MD; P. Olivier, MD; C. Baud, MD; A. Couture, MD

LL-PDE4048

MRI Anatomy and Traumatic Injuries of the Growth Plate
O.L. Casado, Galdakao SPAIN; E. Prieto; M. Ereno, MD; B. Fernandez Ruanova; E. Salvador

LL-PDE4054

Imaging of Urethral Disease in Childhood: A Pictorial Review
P. Quintana Valcarcel, Alcala de Henares SPAIN; A. Castellote; C. Aso, MD; J. Piqueras, MD; A. Cruz Diaz, MD; G. Enriquez, MD

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New Digital Radiography Standards Simplified for Radiologists and Technologists
S. Don, MD, Saint Louis, MO; B.R. Whiting, PhD; L. Rutz, MS; B. Appgar, BS

LL-PHE1112

Absorbed Doses to the Conceptus in Radiography and Fluoroscopy
W. Huda, PhD, Charleston, SC; D. Magill, BS, ARRT; W. He; S. Tipnis; E. Mah; G. Frey, PhD

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The Physics of Clinical MR Taught through Images: Magnetic Resonance Angiography
J.N. Morelli, MD, Temple, TX; V.M. Runge, MD; F. Ai, MD; L. Vu; V. Garg; U.I. Attenberger, MD

LL-PHE4063

Diffusion-weighted Magnetic Resonance Imaging (DWI): What Makes Water Run Fast or Slow?
F. Fornasa, MD, S. Bonifacio ITALY; L. Pinali; E. Toniolli; F. Di Prima; S. Montemezzi

LL-PHE4065

Quantitative Evaluation with Fast kV Switch Dual-Energy CT of Abdomen: Understanding the Colors and Curves, Graphs and Plots
R.K. Kaza, MD, Ann Arbor, MI; M.M. Goodsitt, PhD; E.G. Christodoulou, PhD; J.F. Platt, MD; P.S. Liu, MD; I.R. Francis, MD

LL-PHE4067

Ultrasound Elastography: Techniques, Physics, and Utility in Various Organs
M.K. Dighe, MD, Seattle, WA; S.S. Bastawrous, DO; O. Kolokythas, MD; S. Vaidya, MD; T.J. Dubinsky, MD

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Understanding Radiation Dose and Dose Determining Parameters in Multidetector CT
M.L. Dijkshoorn, DSc, Rotterdam NETHERLANDS; M. Van Straten, PhD; R. Booi, RT; R. Van Haaren; G.P. Krestin, MD, PhD

LL-PHE4090

Reduction of Metal Artefacts in MRI of Hip Arthroplasty
D. Merobbie, London UNITED KINGDOM; A. Papadaki; K. Satchithananda, MBBS; A. Mitchell; A. Hart, MBBS; C. Todd

LL-PPE-TU2B

Reducing Patient Radiation Exposure: A System-based Approach
O.A. Micheli, MD, Los Angeles, CA; P.M. Colletti, MD; K.H. Lee, PhD

LL-PPE-WE2B

Feasibility and Cost Analysis of a Simulation-based Contrast Reaction Training Curriculum
C.L. Wang, MD, Seattle, WA; J.G. Schopp, MD; J. Petsavage, MD; A.M. Paladin, MD; W.H. Bush Jr, MD

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When Does the Imaging Stop? An Evidence Basis for NO Follow-up of Incidental Findings in the Abdomen
S. Cooper, MD, Ottawa CANADA; D. MacDonald, MD; J. Ryan

LL-PPE3105

Experimental ROC Methodology in Radiology
J. Shiraiishi, Kumamoto JAPAN; L. Pesce, PhD

LL-PPE4093

Cost-Effectiveness Analysis for Imaging Procedures: A Primer for Residents
R.W. Liu, MD, Boston, MA; A. Rozenstein, MD; G.D. Pearson, MD, PhD

LL-PPE4095

Application of the Lean Approach to Improving Performance and Efficiency in a Radiology Department: A Web-based Tutorial
J.B. Kruskal, MD, PhD, Newton, MA; D. Hallett; A. Reedy, MBA; C. Yam, PhD; P.M. Boiselle, MD; D.L. Magaram, MD

LL-PPE4107

The Best of Both Worlds: Review of Strategies to Reduce Radiation Dose in MDCT Exams While Maintaining Optimal Image Quality
N. Razaghi Kashani, BS, Vancouver CANADA; D. Tso, BS; A.J. Reimann, MD; C. Davison, MD; S. Nicolaou, MD

LL-ROE4110

Pitfall of 3 T MR Imaging Image in Radiotherapy Planning: Relationship between Imaging Parameters and Image Distortion
K. Uchida, Izumo JAPAN; H. Kanayama; S. Ozaki; A. Komatsu; N. Uchida, MD; H. Kitagaki, MD

LL-URE3236

Fast kV Switch Dual Energy CT of the Abdomen: Dualourinary Applications
R.K. Kaza, MD, Ann Arbor, MI; J.F. Platt, MD; E.M. Caoili, MD; R.H. Cohan, MD; M.M. Al-Hawary, MD; A. Wasnik, MD

LL-URE4113

Imaging of Hemodialysis: Renal and Extra-Renal Findings
E. Quaia, MD, Trieste ITALY; S. Sammartano; L. De Paoli; M. Cavallaro, MD; P. Martingano; M.A. Cova, MD

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Cystic Lesions of the Lower Genitourinary Tract: A Comprehensive Review of MR Imaging Features
L.B. Spalluto, MD, Providence, RI; C.A. Woodfield, MD

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Multimodality Imaging, Operative Approaches, and the Pathologic Spectrum of Surgical Scrotal Disease
A.K. Ravi, MDM.G. Heldmann, MD, Shreveport, LA; A. Rowell, MD; E. Campbell, MD; D. Elmajian, MD; A. Bhalodia, MD

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Emergent Penile Sonography: Technique, Imaging Findings, and Management
A. Vargo, MD, Pittsburgh, PA; M. Hartman, MD; A.R. Lupetin, MD

LL-URE4126

Primary Retroperitoneal Tumors: Ten Years Experience
C. Palacios Miras, Madrid SPAIN; P.A. Hidalgo, MD; S. Moron Hodge; D. Benito; M. Parron Pajares Sr, MD; A. Alvarez Muelas, MD

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Rare (<1%) Histological Subtypes of Renal Cell Carcinoma: A Comprehensive Review
A.K. Shanbhogue, MD, MBBS, San Antonio, TX; R. Vikram, MBBS; R.M. Paspulati, MD; A. Zaheer, MD; G. MacLennan, MD; P. Tamboli, MD

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Benign Scrotal Tumors and Pseudo Tumors: Imaging Diagnosis and Pathological Correlation
S. Choudhary, MD, San Antonio, TX; A.M. Nagar, MBBS; M.K. Dighe, MD; K. Jambhekar, MD; R. Vikram, MBBS; S.R. Prasad, MD

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MR Imaging of the Prostate: How to Do It Right
D. Bonekamp, MD, PhD; M.A. Jacobs, PhD K.J. Macura, MD, PhD, Catonsville, MD

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Exclusion Criteria for Potential Live Kidney Donors Based on MDCT Findings
M.J. Martinez, MD; C. Quintian T. Marti, Barcelona SPAIN; V. Catala; C. Facundo, MD; P. De La Torre, MD

LL-VIE-M06B

Vascular Complications of Ehlers-Danlos Syndrome: State of the Art in CT Angiography and 3D Mapping
L.C. Chu, MD, Baltimore, MD; P.T. Johnson, MD; B. Brooke; G. Arnaoutakis, MD; J.H. Black III, MD; E.K. Fishman, MD

LL-VIE-SU6A

Optional Inferior Vena Cava (IVC) Filters: A Critical Review of Extended Clinical Indications and Currently Available Devices
S.D. Huffman, MD, Chicago, IL; J. Minocha, MD; R. Gupta, MD; R.K. Ryu, MD; R.J. Lewandowski, MD

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Tips and Tricks on Prostatic Arterial Embolization
T. Bilhim, MD, Lisbon PORTUGAL; J.M. Pisco, MD; L.C. Pinheiro, MD; H.A. Rio Tinto, MD; S.M. Duarte, MD; J.R. Mendes, MD

LL-VIE-WE6B

Image-guided Celiac Plexus Block: A Review of Anatomy, Indications, Technique, and Tips for Successful Treatment
A.R. Kambadakone, MD, FRCR, Boston, MA; R.S. Arellano, MD; A. Thabet, MD; D.A. Gervais, MD; P.R. Mueller, MD

LL-VIE3154

Radiologic Response Following Locoregional Therapies in Hepatocellular Carcinoma: A Critical Review of the Commonly Used Methodologies
J. Minocha, MD, Chicago, IL; A. Riaz, MD; R. Gupta, MD; R.K. Ryu, MD; R. Salem, MD, MBA; R.J. Lewandowski, MD

LL-VIE3157

Characterization of Intracardial and Intravascular Masses Using a New CT-based Tumor Volume Perfusion (4D-CT) Measurement Tool
M.M. Schulze, MD, Tuebingen GER-MANY; D. Spira, MD; C.D. Claussen, MD; M. Horger, MD

LL-VIE3162

Detachable Coil Embolization for Visceral Aneurysms and Arteriovenous Malformations in the Chest, Abdomen, and Pelvis: Technical Points, Equipment, and Procedural Details
S. Kasuya, MDT. Hasebe, MD, Sakura JAPAN; H. Morita, MD; Y. Watanabe, MD, PhD; R. Kasai, MD; T. Nakatsuka, MD

LL-VIE3168

The Role of Interventional Radiology in the Management of Complications Following Renal Transplantation
R. Hickey, MD, Chicago, IL; R. Gupta, MD; R.K. Ryu, MD; R.J. Lewandowski, MD

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Spectrum of Portal Venous Interventions
B. Somarouthu, MD, Boston, MA; K. Yeddula, MBBS; S.I. Iqbal, MD; G.M. Salazar, MD; S. Wicky, MD; S.P. Kalva, MD

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FDA-approved Carotid Stent Systems: A Review
H. Ferral, MD, Chicago, IL; A. Figi

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Transjugular Liver Biopsy Following Orthotopic Liver Transplantation: Challenges and Solutions
C. Kaufman, Boston, MA; K.J. Kolbeck, MD, PhD; J. Gaumond, MD; R.E. Barton, MD; P.C. Lakin, MD; B.D. Petersen, MD

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Venous Thromboembolism in Cancer Patients: Current Understanding, Emerging Knowledge, and Role of Imaging
A.B. Shinagare, MD, Boston, MA; M. Nishino, MD; P.J. DiPiro, MD; K.P. Andriole, PhD; H. Hatabu, MD, PhD; A.D. Van Den Abbeele, MD

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Postprocedural Imaging of Liver-directed Therapy
M.G. Lubner, MD, Madison, WI; J. Hinshaw, MD; N.E. Saad, MBBS; C.O. Menias, MD; P.S. Dabvie, MD; C.L. Brace, PhD

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Adrenal Vein Sampling: How to Perform
N.K. Malay, MD, MBBS, Detroit, MI; S.R. Arekapudi, MBBS; J.J. Critchfield, MD; M.L. Harvill, MD

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Superslective Transcatheter Arterial Chemoembolization via a Branch of the Inferior Phrenic Artery for Hepatocellular Carcinoma
M. Ishikawa, MD, Hiroshima JAPAN; M. Hieda; N. Toyota; H. Kakizawa; K. Kajiwara, MD; K. Awai, MD

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Cystic Adventitial Disease: Noninvasive Imaging Makes All the Difference
J. Platnick, MD, Staten Island, NY; N. Lester, MD; L. Lempert, MD; J. Neuman, MD; J. Scheiner

LL-VIE4223

Vascular Anatomy of the Foot: The First Step toward Pedal Recanalization
M. Manzi, MDG. Cester, MD, Abano Terme ITALY; L. Palena, MD; J. Alek, RT; A. Candeo, RT

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Endovascular Management of Nonvariceal Upper Gastrointestinal Hemorrhage: What the Radiologist Needs to Know
A.K. Abdel Aal, MBBS, Birmingham, AL; S. Sadedkni, MD; S.F. Osman; M.F. Hamed, MD, MSc; E.S. Underwood, MD; R.F. Oser, MD

LL-VIE4234

Multi-Detector CT Angiography for Evaluation of Vascular Thoracic Outlet Syndrome
J. Rubin, MD, Ann Arbor, MI; P. Barkett, BSC; W.J. Weadock, MD; P.S. Liu, MD

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The Road Less Traveled: The Often Ignored Lesser Branches of the Celiac Axis
A.J. Lee, Los Angeles, CA; J.P. McWilliams, MD

LL-VIE4256

Pictorial Review of Complicated IVC Filters: Various Filter Types, Role of Pre- and Peri-retrieval Imaging, and Use of Optimum Retrieval Techniques
D. Garg, MD, San Antonio, TX; J.E. Lopera, MD; R. Suri, MD; A. Albayati, MD; G.M. Kroma, MD

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The Temporary Nontunneled Tunneled Dialysis Catheter: A Novel Approach for the Management of Exit Site and/or Tunnel Infections in Catheter Dependent Hemodialysis Patients with Limited Venous Access
R.P. Galwa, MD, Ottawa CANADA; A. Hadziomerovic, MD, FRCPC; J. Aquino, MD, FRCPC; G.J. French, MD; K. O'Kelly, MD, FRCPC; P. Rasuli, MD

LL-VIE4265

Stent-sparing Endovascular Interventions for Intrainguinal PAD: Evidence-based Review
R. Suri, MD, San Antonio, TX; J.E. Lopera, MD; G.M. Kroma, MD; D. Garg, MD; A. Albayati, MD

LL-VIE4267

MDCT Evaluation of Vascular Hepatic Variants in Potential Living Donors (PLD)
M. Calero, Madrid SPAIN; R. Villar, MD; T.Y. Revilla; L. Sotolongo Diaz; C. Merino; T. Diaz Bustamante, MD

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LL-BRE3271-M0B

MRI-guided Vacuum-assisted Breast Biopsy: Pictorial Review including How to Identify and Avoid Pitfalls
M. Labelle, MD, Toronto CANADA; P.A. Causer, MD; R.A. Jong, MD; B.C. Curpen, MD; B. Wright, MD; C.B. Betel, MD

LL-BRE3285

MR Imaging of the Reconstructed Breast: Expected and Unexpected Findings
V.M. Djalani, MDS.S. Joshi, MD, Memphis, TN; K.C. Lai, MD; P.J. Slanetz, MD, MPH

LL-CAE2059

CT and MR Imaging Evaluation of the Patent Ductus Arteriosus: Creative Strategies for Optimal Viewing
M.K. Atalay, MD, PhD N. Walle, MD, Providence, RI; C.H. Mitchell, MD

LL-CAE3132

Illustrated Guide to Anomalous Coronary Anatomy: An Interactive 3D Model
F.M. Corl, MS, Baltimore, MD; M.R. Rowell, MS; E.K. Fishman, MD

LL-GIE2333

The Challenging Image-guided Abdominal Mass Biopsy: Established and Emerging Techniques: "If You Can See It, You Can Biopsy It"
N. Sainani, MD, Boston, MA; R.S. Arellano, MD; P.B. Shyn, MD; D.A. Gervais, MD; P.R. Mueller, MD; S.G. Silverman, MD

LL-GIE3181-TUB

Neuroendocrine Tumors of the Abdomen: Multidisciplinary Approach Starting from the Bing Bang Theory
O. Narin, MD, Boston, MA; R. Perez Johnston, MD; M. Mino Kenudson, MD; N. Kulkarni, MD; D.V. Sahani, MD

LL-INE1173

Cloud-computing CT Colonography with Gesture-based Reading Interface
H. Yoshida, PhD, Boston, MA; Y. Wu; W. Cai, PhD; T. Sharp; B. Brett; J. Engalan

LL-MKE2614

Tear or No Tear? Imaging Approach to MRI Findings of Labral Lesions with Emphasis on the Collagen Architecture of the Labrum
R.F. Riascos, MD, Galveston, TX; D.F. Lemos, MD; Y.S. Xie, BS; D.L. Resnick, MD

LL-MSE2634

Imaging in Aeromedical Disposition of Flight Crews, Patient Transport, and Aircraft Mishap Investigations: Experiences of United States Air Force Radiologists and Flight Medicine Physicians
S.T. Jersey, MD, MS, Travis AFB, CA; R.T. Baril, DO; R.A. Jesinger, MD, MS; A.D. Holder, MD; S.B. Norris, MD; P.S. Palka, DO

LL-MSE2685

Functional MRI of the Pelvic Floor: A New Gold Standard?
C.F. Ruivo, MD, Coimbra PORTUGAL; C. Antunes; J. Ilharco; C.B. Marques; F. Caseiro Alves, MD

LL-NME1040

F-18 FDG PET/CT Imaging of the Pancreas: Spectrum of Diseases
B.D. Nguyen, MD, Scottsdale, AZ; V.X. Nguyen, MD; P.C. Ram, MD; M.C. Roarke, MD; C.D. Tollefson, BS

LL-NME2703

What Went Wrong? Common Causes of False-Positives in Myocardial Perfusion Imaging
R.A. Dvorak, MD, Ann Arbor, MI; R.K. Brown, MD; J.R. Corbett, MD

LL-NRE2824

Normal Anatomy and Pathologic Conditions of the Maxillo-mandibular Region Using 64 Multi-Detector Row CT
T. Kaneda, DDS, PhD, Matsudo JAPAN; M. Minami, MD; H.D. Curtin, MD; O. Sakai, MD, PhD; S. Mori, DDS; K. Miya, DDS

LL-OBE3258-WEA

High-Resolution Trans-Labial Three-dimensional Ultrasound of Normal Anatomy and Pathologic Conditions of the Female Urethra
F. Lacelli, MDL. Sconfienza, MD, San Donato Milanese ITALY; N. Perrone, MD; D. Venerucci; A.S. Tagliafico, MD; G. Serafini, MD

LL-PPE4094

Quality Improvement in Radiology: The Basic Principles and Tools Required to Achieve Success
J.B. Kruskal, MD, PhD, Newton, MA; J.D. Kruskal; C. Yam, PhD; P.M. Boiselle, MD

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Application of the Lean Approach to Improving Performance and Efficiency in a Radiology Department: A Web-based Tutorial
J.B. Kruskal, MD, PhD, Newton, MA; D. Hallett; A. Reedy, MBA; C. Yam, PhD; P.M. Boiselle, MD; D.L. Magaram, MD

LL-ROE1101

Application of Molecular and Functional Imaging into Helical Tomotherapy
Y. Hama, MD, Chuo-Ku JAPAN

LL-URE4137

A Pictorial Case Series of Vascular Complications of Renal Transplants
N. Venkatanarasimha, MBBS, MRCP G. Bhatnagar, MBBS, Plymouth UNITED KINGDOM; H.S. Sidhu, MBBS, BSC; S. Freeman; P. Dubbins, MBBS

LL-VIE3141-SUB

Practical Guidance for MDCT Venography of the Body
J.H. Heimbigner, DO W.W. Reynolds Jr, MD, San Diego, CA; S. Alexander, MD