

Forthcoming Articles in the Next Issue

From the Editor's Notebook

- **From the Editor's Notebook.** *Berquist TB*

Residents' Section



- **Pattern of the Month.** Bubbly Lesions of Bone. *Eisenberg RL*; DOI:10.2214/AJR.09.2964

FOCUS ON: Nuclear Medicine and Molecular Imaging

- **Perspective.** Systems Diagnostics: The Systems Approach to Molecular Imaging. *Lee DY, Li KCP*; DOI:10.2214/AJR.08.2866
- **Original Research.** Evaluation of Low-Density Neutral Oral Contrast Material in PET/CT for Tumor Imaging: Results of a Randomized Clinical Trial. *Otero HJ, Yap JT, Patak MA, et al.*; DOI:10.2214/AJR.08.1565
- **Original Research.** Comparison of ^{99m}Tc-Dimer Captosuccinic Acid Dual-Head SPECT Versus High-Resolution Parallel-Hole Planar Imaging for the Detection of Renal Cortical Defects. *Brenner M, Bonta D, Eslamy H, Ziessman HA*; DOI:10.2214/AJR.08.1788
- **Original Research.** Utility of Delayed Whole-Body Bone Scintigraphy After Directed Three-Phase Scintigraphy. *Davenport MS, Brown RKJ, Frey KA*; DOI:10.2214/AJR.08.2142
- **Original Research.** Utility of FDG PET/CT for Differentiation of Autoimmune Pancreatitis With Atypical Pancreatic Imaging Findings From Pancreatic Cancer. *Lee TY, Kim MH, Park DH, et al.*; DOI:10.2214/AJR.08.2297
- **Pictorial Essay.** CT and PET/CT Findings of T-Cell Lymphoma. *Otero HJ, Jagannathan JP, Prevedello LM, et al.*; DOI:10.2214/AJR.08.1398
- **Pictorial Essay.** Brown Fat: Atypical Locations and Appearances Encountered in PET/CT. *Paidisetty S, Blodgett TM*; DOI:10.2214/AJR.08.2081

Cardiopulmonary Imaging

CME

- **Review.** Cardiac Tumors: Optimal Cardiac MR Sequences and Spectrum of Imaging Appearances. *O'Donnell DH, Abbara S, Chaitiraphan V, et al.*; DOI:10.2214/AJR.08.1895
- **Review.** CT Evaluation of Congenital Heart Disease in Adults. *Wiant A, Nyberg E, Gilkeson RC*; DOI:10.2214/AJR.08.2192
- **Review.** Cardiac CT in the Assessment of Acute Chest Pain in the Emergency Department. *Bastarrika G, Thilo C, Headden GF, Zwerner PL, Costello P, Schoepf UJ*; DOI:10.2214/AJR.08.2265
- **Original Research.** Noncalcified Atherosclerotic Plaque Burden at Coronary CT Angiography: A Better Predictor of Ischemia at Stress Myocardial Perfusion Imaging Than Calcium Score and Stenosis Severity. *Bauer RW, Thilo C, Chiaramida SA, Vogl TJ, Costello P, Schoepf UJ*; DOI:10.2214/AJR.08.1277
- **Original Research.** CT Quality Assurance in the Lung Screening Study Component of the National Lung Screening Trial: Implications for Multicenter Imaging Trials. *Gierada DS, Garg K, Nath H, Strollo D, Fagerstrom R, Ford M*; DOI:10.2214/AJR.08.1995
- **Original Research.** D-Dimer Assay and Clinical Risk Estimation Algorithms: Sensitivity in Evaluation for Acute Pulmonary Embolism. *Gupta RT, Kakarla RK, Kirshenbaum KJ, Tapson VF*; DOI:10.2214/AJR.08.2186
- **Clinical Observations.** Aneurysmal Appearance of Medium-Sized Bronchi: A Peripheral Manifestation of Endobronchial Tuberculosis. *Cha JH, Han J, Park HJ, et al.*; DOI:10.2214/AJR.08.1833

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Gastrointestinal Imaging

- **Review.** How Well Does CT Predict the Need for Laparotomy in Hemodynamically Stable Patients With Penetrating Abdominal Injury? A Review and Meta-Analysis. *Goodman CS, Hur JY, Adajar MA, Coulam CH*; DOI:10.2214/AJR.08.1927
- **Original Research.** Diffusion-Weighted Imaging of Surgically Resected Hepatocellular Carcinoma: Imaging Characteristics and Relationship Among Signal Intensity, Apparent Diffusion Coefficient, and Histopathologic Grade. *Nasu K, Kuroki Y, Tsukamoto T, Nakajima H, Mori K, Minami M*; DOI:10.2214/AJR.08.1424
- **Original Research.** An Anthropomorphic Phantom Study of Computer-Aided Detection Performance for Polyp Detection on CT Colonography: A Comparison of Commercial and Academic Systems. *Lee MW, Kim SH, Park HS, et al.*; DOI:10.2214/AJR.08.1555
- **Original Research.** Annular Pancreas in Adults. *Sandrasegaran K, Patel A, Fogel EL, Zyromski NJ, Pitt HA*; DOI:10.2214/AJR.08.1596
- **Original Research.** Diffusion-Weighted MRI of Peritoneal Tumors: Comparison With Conventional MRI and Surgical and Histopathologic Findings—A Feasibility Study. *Low RN, Sebrechts CP, Barone RM, Mueller W*; DOI:10.2214/AJR.08.1753
- **Original Research.** Can CT Features Be Used to Diagnose Surgical Adult Bowel Intussusceptions? *Sundaram B, Miller CN, Cohan RH, Schipper MJ, Francis IR*. DOI:10.2214/AJR.08.1801
- **Original Research.** Autoimmune Pancreatitis: Differentiation From Pancreatic Carcinoma and Normal Pancreas on the Basis of Enhancement Characteristics at Dual-Phase CT. *Takahashi N, Fletcher JG, Hough DM, et al.*; DOI:10.2214/AJR.08.1883
- **Pictorial Essay.** CT of the Nontraumatic Acute Abdomen in Patients With Atrial Fibrillation. *Barajas RF Jr, Yeh BM, Webb EM, Westphalen AC, Poder L, Coakley FV*; DOI:10.2214/AJR.08.1119
- **Original Research.** B-Mode Ultrasound With Algorithm Based on Statistical Analysis of Signals: Evaluation of Liver Fibrosis in Patients With Chronic Hepatitis C. *Toyoda H, Kumada T, Kamiyama N, et al.*; DOI:10.2214/AJR.07.4047
- **Clinical Observations.** Residual and Recurrent Gastrointestinal Stromal Tumors With KIT Mutations: Findings at First Follow-Up CT After Imatinib Treatment. *Choi D, Yoo EY, Kim KM, et al.*; DOI:10.2214/AJR.08.2106

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Genitourinary Imaging

- **Original Research.** Probability of Reduced Renal Function After Contrast-Enhanced CT: A Model Based on Serum Creatinine Level, Patient Age, and Estimated Glomerular Filtration Rate. *Herts BR, Schneider E, Obuchowski N, Poggio E, Jain A, Baker ME*; DOI:10.2214/AJR.08.1908
- **Original Research.** Bayesian Classifier for Predicting Malignant Renal Cysts on MDCT: Early Clinical Experience. *Lee Y, Kim N, Cho KS, et al.*; DOI:10.2214/AJR.08.1858

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Medical Physics and Informatics

- **Computers in Radiology.** Using Adobe Acrobat to Create High-Resolution Line Art Images. *Woo HS, Lee JM*; DOI:10.2214/AJR.07.3834
- **Computers in Radiology.** DexNote: A Learner-Centric Tool for Radiology Knowledge Tracking. *Wang KC, Filice RW, Eng J*; DOI:10.2214/AJR.08.1451

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Forthcoming Articles in the Next Issue

Musculoskeletal Imaging

- **Original Research.** Imaging-Guided Percutaneous Biopsy of Pathologic Fractures: A Retrospective Analysis of 129 Cases. *Datir AP, Pechon P, Saifuddin A*; DOI:10.2214/AJR.08.1823
- **Original Research.** Comparison of the Accuracy Rates of 3-T and 1.5-T MRI of the Knee in the Diagnosis of Meniscal Tear. *Grossman JW, De Smet AA, Shinki K*; DOI:10.2214/AJR.08.2101
- **Original Research.** MRI Accuracy for Tears of the Posterior Horn of the Lateral Meniscus in Patients With Acute Anterior Cruciate Ligament Injury and the Clinical Relevance of Missed Tears. *Laundre BJ, Collins MS, Bond JR, Dahm DL, Stuart MJ, Mandrekar JN*; DOI:10.2214/AJR.08.2146
- **Original Research.** Annular Ligament of the Elbow: MR Arthrography Appearance With Anatomic and Histologic Correlation. *Sanal HT, Chen L, Haghighi P, Trudell DJ, Resnick DL*; DOI:10.2214/AJR.08.1887
- **Original Research.** Changes in the Acetabular Fossa of the Hip: MR Arthrographic Findings Correlated with Anatomic and Histologic Analysis Using Cadaveric Specimens. *Sampatchalit S, Chen L, Haghighi P, Trudell D, Resnick D*; DOI:10.2214/AJR.08.1913
- **Original Research.** Real-Time Sonoelastography Findings in Healthy Achilles Tendons. *De Zordo T, Fink C, Feuchnter GM, Smekal V, Reindl M, Klauser AS*; DOI:10.2214/AJR.08.1843

Neuroradiology/Head and Neck Imaging

- **Original Research.** Discrepancy Rates of On-Call Radiology Residents' Interpretations of CT Angiography Studies of the Neck and Circle of Willis. *Meyer RE, Nickerson JP, Burbank HN, Alsofrom GF, Linnell G, Filippi CG*; DOI:10.2214/AJR.08.2169
- **Original Research.** Serial Follow-Up MRI of Indeterminate Cystic Lesions of the Pineal Region: Experience at a Rural Tertiary Care Referral Center. *Cauley KA, Linnell G, Braff SP, Filippi CG*; DOI:10.2214/AJR.08.1906
- **Clinical Observations.** Contrast-Enhanced MDCT Characteristics of Parathyroid Adenomas. *Randall GJ, Zald PB, Cohen JI, Hamilton BE*; DOI:10.2214/AJR.08.2098

Pediatric Imaging

- **Original Research.** Pediatric 64-MDCT Coronary Angiography With ECG-Modulated Tube Current: Radiation Dose and Cancer Risk. *Huang B, Law MWM, Mak HKF, Kwok SPF, Khong PL*; DOI:10.2214/AJR.08.1920
- **Clinical Perspective.** Fluoroscopically Guided Nasojejunal Enteral Tube Placement in Infants and Young Children. *Hwang JY, Shin JH, Lee YJ, et al.*; DOI:10.2214/AJR.08.1341

Vascular and Interventional Radiology

- **Original Research.** Endovascular Stenting as the First Step in the Overall Management of Malignant Superior Vena Cava Syndrome. *Lanciego C, Pangua C, Chacon JI, et al.*; DOI:10.2214/AJR.08.1904
- **Original Research.** Radiation Exposure to Patients During Interventional Procedures in 20 Countries: Initial International Atomic Energy Agency Project Results. *Tsapaki V, Ahmed NA, AlSuwaidi JS, et al.*; DOI:10.2214/AJR.08.2115
- **Original Research.** Blunt-Tip Coaxial Introducer: A Revisited Tool for Difficult CT-Guided Biopsy in the Chest and Abdomen. *de Bazelaire C, Farges C, Mathieu O, et al.*; DOI:10.2214/AJR.08.2125
- **Technical Innovation.** Virtual Puncture Line in Radiofrequency Ablation for Hepatocellular Carcinoma of the Caudate Lobe. *Hirooka M, Kisaka Y, Uesugi K, et al.*; DOI:10.2214/AJR.08.1817

Women's Imaging

- **Perspective.** Granulomatous Lobular Mastitis: Imaging, Diagnosis, and Treatment. *Hovanessian-Larsen LJ, Peyvandi B, Klipfel N, Grant E, Ivengar G*; DOI:10.2214/AJR.08.1528
- **Original Research.** Digital Mammography: Its Impact on Recall Rates and Cancer Detection Rates in a Small Community-Based Radiology Practice. *Vernacchia FS, Pena ZG*; DOI:10.2214/AJR.08.1720
- **Original Research.** Digital Breast Tomosynthesis: Observer Performance Study. *Gur D, Abrams GS, Chough DM, et al.*; DOI:10.2214/AJR.08.2031

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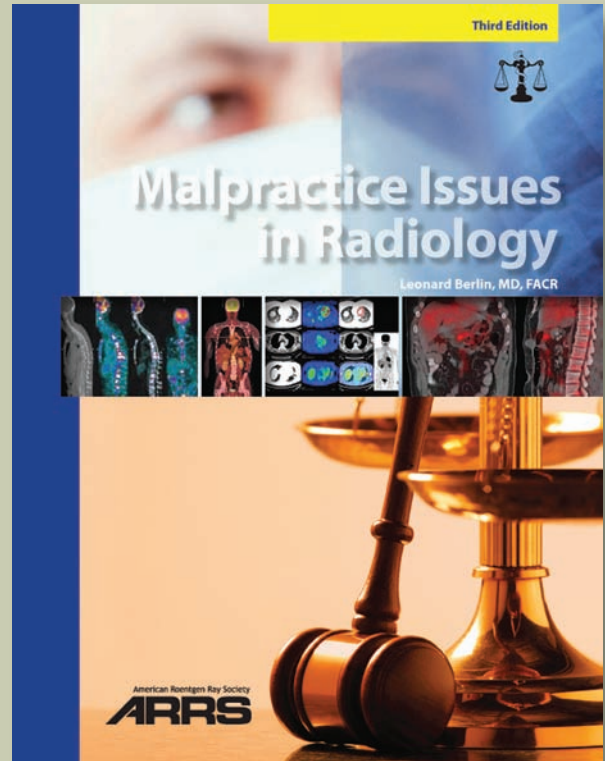
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