



RSNA | **2006**
Strengthening
Professionalism

SUBSPECIALTY CONTENT BROCHURE

Computed Tomography

Radiological Society of North America

92nd Scientific Assembly
and Annual Meeting

November 26 – December 1, 2006

McCormick Place, Chicago

Subspecialty content brochures organize the components of the annual meeting by subjects that correspond to radiologic subspecialties. We hope this brochure, along with the meeting program, helps to enrich and ease your experience at RSNA 2006.

RSNA Annual Meeting CME Information

RSNA® is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

RSNA designates this educational activity for a maximum of 85 *AMA PRA Category 1 Credits*.™

Physicians should only claim credit commensurate with the extent of their participation in the activity.

Saturday, November 25, 2006

12:00-2:00 **Plenary Session**
AAPM/RSNA Physics Tutorial for Residents:
Physics of Dual-Modality Imaging (E351)

Sunday, November 26, 2006

10:45-12:15 **Scientific Paper Sessions**
Cardiac (CT) (E353C)
Chest (Pulmonary Embolism) (E351)
Emergency Radiology (Imaging Applications in Trauma and Emergency Care I) (S501ABC)
Gastrointestinal (Abdominal Multidetector CT General: Image Noise, Radiation Dose) (E450B)
Gastrointestinal (CT and MR Perfusion: Liver, Pancreas, Bowel) (E450A)
Genitourinary (Gynecology and Gynecologic Oncology) (E353A)
ISP: Gastrointestinal (CT Colonography: Computer-aided Detection) (E352)
Musculoskeletal (Shoulder) (S405AB)
Neuroradiology/Head and Neck (Head and Neck: Temporal Bone) (N228)
Physics (CT: Image Quality) (S401AB)

2:00-3:30 **Refresher Courses**
Case-based Review: Approach to Diffuse Lung Disease (An Interactive Session) (Course RC101) (S405AB)

Categorical Course in Diagnostic Radiology: Genitourinary—CT and MR in Urinary Tract Evaluation (Course RC107) (E353C)

CT Colonography: How to Build a Successful Clinical Program (Course RC109) (E451B)

Fast and Reliable CT Angiography: Strategies for Technique Optimization (Course RC112) (N228)

The Heart on Chest Radiographs and CT Scans: Practicalities of Daily Interpretation (Course RC103) (S406A)

Update Course in Diagnostic Radiology Physics: Multidimensional Image Processing, Analysis, and Display—Computer-aided Diagnosis in Abdominal Imaging (Course RC132) (S403B)

Monday, November 27, 2006

8:30-10:00

Refresher Courses

CT of the Acute Abdomen: Bowel Origin (An Interactive Session) (Course RC209) (S405AB)

Imaging Musculoskeletal Infections: How to Rationally Integrate Nuclear Medicine Imaging with MR Imaging and CT (Course RC211) (N227)

New Thoracic Imaging Technologies: 64-Slice Multidetector CT, Postprocessing, PET/CT, and Enhanced Radiography Methods (Course RC201) (S406A)

PET/CT in Oncology I (Course RC218) (E450B)

10:30-12:00

Scientific Paper Sessions

Cardiac (Multimodality) (E353C)

Emergency Radiology (Imaging Applications in Trauma and Emergency Care II) (S501ABC)

Gastrointestinal (CT, MR Colonography: Bowel Preparation; Other) (E450A)

Genitourinary (Upper Tract CT) (E353B)

ISP: Cardiac (CT) (S503AB)

ISP: Gastrointestinal (Noninvasive Cholangiography; Cholangiocarcinoma: MR, CT) (E451B)

Musculoskeletal (Intervertebral Disks: Diagnosis and Intervention) (S406B)

Neuroradiology/Head and Neck (Spine: Spinal Column, Peripheral Nerves) (N226)

Vascular/Interventional (Visceral) (E253CD)

1:30-3:00

Multisession Course

Associated Sciences: Fusion Imaging: Technical and Clinical Highlights (N230)

3:00-4:00

Scientific Paper Sessions

Cardiac (CT) (S503AB)

Chest (Radiation Dose Issues) (E351)

Gastrointestinal (CT Colonography: Polyp Measurement, Computer-aided Diagnosis) (E450A)

Gastrointestinal (Liver CT: Contrast Technique, Other) (E450B)

Genitourinary (Adrenal Glands and Emergency) (E352)

Musculoskeletal (Inflammatory Arthritis) (S405AB)

Musculoskeletal: Orthopedic Fixation (S406B)

Neuroradiology/Head and Neck (Head and Neck: Pharynx, Tongue, and Oral Cavity) (N228)

4:30-6:00

Special Focus Sessions

Cardiac CT: The Essential Diagnosis (S406B)

CT Screening for Lung Cancer: Is it Worth it? (E353B)

New Directions in Breast Imaging: Where Are We Headed? (E451A)

Noninvasive Spinal Angiography: MR Angiography versus CT Angiography (N226)

Tuesday, November 28, 2006

8:30-10:00

Refresher Courses

Categorical Course in Diagnostic Radiology: Genitourinary—Multidetector CT in the Genitourinary Tract (Course RC307) (E353C)

Coronary Artery CT and CT Angiography (Course RC303) (E450B)

Imaging of Focal Liver Lesions: State of the Art (Course RC309) (E451B)

Improving Your PET and PET/CT Clinical Practice: Lessons Learned with Emphasis on Case Studies, Image Pathologic Correlation, and Practical Issues with PET/CT (An Interactive Session) (Course RC311) (S405AB)

Minicourse: From Image to Decision—Science and Technology for Effective Interpretation of Medical Images: The Radiologist and Computer-aided Detection (CAD) (Course RC323) (S404CD)

Multidetector CT of Pulmonary Arteries, Heart, and Thoracic Aorta (Course RC301) (S406B)

Pediatric Vascular Imaging with CT and MR (Course RC312) (S401CD)

Update Course in Diagnostic Radiology
Physics: Multidimensional Image Processing,
Analysis, and Display—Visualization,
Navigation, and Quantitation (Course RC332)
(S403B)

10:30-12:00

Scientific Paper Sessions

Cardiac (CT) (E353C)
Chest (Lung Cancer: Basics) (E352)
Gastrointestinal (Acute Abdomen) (E451B)
Gastrointestinal (MR, CT Colonography:
Diagnostic Performance) (E450B)
Gastrointestinal (Small Bowel Imaging: CT,
Enteric Contrast) (E353A)
ISP: Chest (Interstitial and Airways Disease)
(E351)
ISP: Gastrointestinal (Cystic Pancreatic
Neoplasms) (E450A)
Musculoskeletal (Osteoporosis) (S405AB)
Neuroradiology/Head and Neck (Spine:
Interventional, Vertebroplasty) (N226)

1:30-2:45

Plenary Session

Annual Oration in Diagnostic Radiology and
Gold Medal Awards (Arie Crown Theater)

1:45-3:15

Informatics

CT Colonoscopy (HOW6)

3:00-4:00

Scientific Paper Sessions

Cardiac (CT) (E353C)
Gastrointestinal (Liver: Hepatocellular
Carcinoma, Focal Lesions) (E450A)
Gastrointestinal (Pancreatic Cancer: CT, MR)
(E451B)
Musculoskeletal (Hand and Wrist) (S405AB)
Musculoskeletal: Muscle, Tendon, and Fat
(S406B)
Neuroradiology/Head and Neck (Spine:
Vascular Abnormalities) (N226)
Vascular/Interventional (Vascular Imaging)
(E350)

4:30-6:00

Refresher Courses

Challenging CT Angiographic and MR
Angiographic Cases: Interactive Interpretation
with the Experts (An Interactive Session)
(Course RC412) (S402AB)
Imaging of the Gastroesophageal Junction
(Course RC409) (N226)
PET and PET/CT Imaging of the Extracranial
Head and Neck (Course RC411) (S406B)

Wednesday, November 29, 2006

8:30-10:00

Refresher Courses

Abdominal Ultrasound: Improving Your Practice of Ultrasound (An Interactive Session) (Course RC510) (S504ABC)

Adult Congenital Heart Disease: Pre- and Postoperative Evaluation with MR Imaging and CT (Course RC503) (N227)

Categorical Course in Diagnostic Radiology Physics: From Invisible to Visible—The Science and Practice of X-Ray Imaging and Radiation Dose Optimization (Course RC525) (S403A)

Categorical Course in Diagnostic Radiology: Genitourinary—Adrenal, Retroperitoneum, and Transplant Evaluation (Course RC507) (E353C)

Evaluating High-Energy Extremity Injuries with Radiography and CT (Course RC508) (N229)

Imaging of Pancreatic Neoplasms: State of the Art (Course RC509) (E450A)

Lung Nodules: Detection, Characterization, and Biopsy/Radiofrequency Ablation (Course RC501) (E353B)

Minicourse: Innovations and Advances in Medical Imaging Technology—Innovations and Advances in CT Technology (Course RC523) (S404CD)

PET/CT in Oncology II (Course RC518) (S406B)

Role of Lung Scanning and CT Angiography in the Diagnosis of Pulmonary Embolism in the PLOPED II Era (Course RC511) (S401CD)

Thyroid Nodules and Cancer: Evaluation and Imaging (Course RC506) (E451B)

Update Course in Diagnostic Radiology Physics: Advances in Breast Imaging—Physics, Technology, and Clinical Applications: Emerging Tomographic Techniques in Mammography (Course RC521) (E351)

10:30-12:00

Scientific Paper Sessions

Cardiac (CT) (S503AB)

Chest (Lung Cancer Screening) (E351)

Gastrointestinal (Emergency Radiology) (E451B)

Gastrointestinal (Gastrointestinal Oncology CT/PET) (E450B)

ISP: Genitourinary (Prostate Imaging) (E353B)

ISP: Neuroradiology/Head and Neck (Stroke) (N226)

Musculoskeletal: Practice Issues and Imaging Techniques (S406B)

Neuroradiology/Head and Neck (Head and Neck: Carotid Artery Disease) (N228)

Vascular/Interventional (Vascular Imaging) (E451A)

3:00-4:00

Scientific Paper Sessions

Cardiac (CT) (S503AB)

Chest (Computer Applications) (E351)

Gastrointestinal (Dual Energy, Innovations) (E353A)

Gastrointestinal (Rectal Cancer: MR, CT) (E450A)

Genitourinary (Lower Tract) (E353B)

Physics (CT: Dual Source) (S401AB)

Vascular/Interventional (Visceral) (E451A)

4:30-6:00

Special Focus Sessions

Creating 3D Images: Clinicians or Technologists? (N230)

Multimodality Imaging: Fused Hardware or Software Fusion? (E353B)

Pediatric Appendicitis: Sonography or CT? (S403B)

Virtual Colonoscopy: 2D, 3D, CAD, or Gad—Whats Best? (E450B)

Thursday, November 30, 2006

8:30-10:00

Refresher Courses

Cardiac MR and CT: Read Cases with the Experts (An Interactive Session) (Course RC603) (S402AB)

CT of Coronary Artery Disease (How-to Workshop) (Course RC651) (E261)

Imaging of Peripheral Arterial Occlusive Disease (Course RC612) (N227)

Imaging of the Small Bowel: State of the Art (An Interactive Session) (Course RC609) (S405AB)

Minicourse: Image Optimization for Radiation Therapy Treatment Planning: CT, MR, and PET Review (Course RC622) (S404AB)

Minicourse: Innovations and Advances in Medical Imaging Technology—Innovations and Advances in Radionuclide Imaging Technology (Course RC623) (S404CD)

Update Course in Diagnostic Radiology Physics: Multidimensional Image Processing, Analysis, and Display—Computer-aided Diagnosis in Cardiothoracic Imaging (Course RC632) (S403B)

Update on Thoracic Malignancies: Lung Cancer, Lymphoma, and Mesothelioma (Course RC601) (E450A)

10:30-12:00

Scientific Paper Sessions

Cardiac (CT) (E353C)

Chest (Pulmonary Vascular) (E351)

Gastrointestinal (CT Colonography, Colon Cancer: Miscellaneous) (E450B)

Gastrointestinal (Liver CT and MR: Diffuse Disease, Fibrosis, Steatosis) (E353A)

Gastrointestinal (Liver CT and MR: Focal Lesions, Hepatocellular Carcinoma) (E450A)

Genitourinary (Lower Tract Oncology) (E353B)

Neuroradiology/Head and Neck (Brain: 4-H Club—Hemorrhage, Hydrocephalus, Hypertension, Hypoxia) (N228)

Physics (CT: Dose) (S401AB)

3:00-4:00

Special Focus Sessions

Cancer Detection: Evaluation of Whole-Body MR Imaging versus CT and PET/CT (S404AB)

Computed Tomography: The Physical Examination of the Emergency Department—Right or Wrong? (E350)

Is Multidetector CT the New Standard for Evaluation of the Post Operative Musculoskeletal System? (S405AB)

4:30-6:00

Refresher Courses

Advances in Cardiac Nuclear Imaging: SPECT, SPECT/CT, and PET/CT (Course RC711) (N227)

Categorical Course in Diagnostic Radiology: Genitourinary—Renal Masses: Diagnosis, Biopsy, and Ablation (Course RC707) (E353C)

Current CT Techniques for Imaging Medical Emergencies (Course RC708) (E353B)

Disorders of the Spine in Children (Course RC713) (N230)

Head and Neck: Pitfalls and Imaging Applications (Course RC706) (E450A)

One-Stop Shopping with Cardiac Imaging: CT or MR? (Course RC703) (N229)

Optimal Techniques for Multidetector CT and MR of the Liver (An Interactive Session) (Course RC709) (S504ABC)

Optimizing Radiation Dose in Body CT (Course RC716) (S401AB)

Pulmonary Infections: Tuberculosis, Atypical Mycobacteria, Immune-suppressed Hosts, and Emerging Infections (An Interactive Session) (Course RC701) (S405AB)

Topics in Aortic Imaging (Course RC712)
(N228)

Friday, December 1, 2006

8:30-10:00

Refresher Courses

Cardiac Imaging for the Thoracic Radiologist
(Course RC801) (E353B)

Categorical Course in Diagnostic Radiology:
Genitourinary—Imaging in a Spectrum of
Genitourinary Emergencies: Trauma, Acute
Scrotum, and Acute Maternal Diseases
(Course RC807) (E353C)

CT (and MR Imaging) of Pancreatic Tumors
(An Interactive Session) (Course RC816)
(S402AB)

CT Angiography and MR Angiography in
Planning and Following Vascular Interventions
and Surgery (Course RC812) (S502AB)

Imaging of the Gallbladder and Biliary Tree
(Course RC809) (N227)

Practical PET/CT of the Chest, Abdomen, and
Pelvis (Course RC811) (S406B)

Update Course in Diagnostic Radiology
Physics: Multidimensional Image Processing,
Analysis, and Display—From Detector to Pixel:
Signal Processing (Course RC832) (S403B)

10:30-12:00

Scientific Paper Sessions

Cardiac (CT) (E353C)

Gastrointestinal (Liver: Cirrhosis,
Hepatocellular Carcinoma) (E450B)

Gastrointestinal (Pancreatitis: CT, MR) (E450A)

Musculoskeletal (Spine, Disk Disease) (S406B)

Neuroradiology/Head and Neck (Brain:
Infections, Inflammation) (N228)

Neuroradiology/Head and Neck (Brain:
Socioeconomic, Tractography) (N227)

Physics (CT) (S401AB)

Vascular/Interventional (Vascular Imaging:
CT Angiography) (E350)

Education Exhibits

Space No.

Exhibit Title

LL-MS2630

MR Imaging, CT, and PET in Patients with
Cancer of Peritoneum and Abdominal Wall

LL-MS2636

CT Features of Lymphangiomyomatosis
(LAM): Diagnostic and Therapeutic Pitfalls

LL-MS2639

Can a Multi-bolus Contrast Injection
Technique Reduce Radiation Dose from
Multidetector Row CT?

- LL-MS2640-B02 About All the Things You Wish You Knew about Contrast Material Delivery Systems for CT
- LL-MS2648 Computed Tomography of Subcutaneous Pseudotumors
- LL-MS2651 CT Perfusion in Oncology: Why, When, and How?
- LL-MS2659 Virtual Dissection of the Entire Body Using Isotropic Data Obtained by 64-Slice MDCT: Clinical Study Using the Living Human Body and Cadavers for Dissection
- LL-MS3163 Computed Tomographic Examination of a Ptolemaic Period Mummy from the Ancient Egyptian City of Akhmim
- LL-MS3175 Micro-computed Tomography: Optimal Image Acquisition Protocols and in Vivo and ex-Vivo Imaging Features of Various Disease Models in Rodents
- LL-MS3176 Postmortem Total Body CT and Total Body MRI in a Clinical Setting: Benefits and Limitations of Both Techniques
- LL-MS3177 Multidetector Computed Tomography (MDCT) Analysis of Projectile Injury in Forensic Investigation
- LL-MS3184 Metastatic Malignant Melanoma: A Pictorial Review of CT Findings
- LL-NM2612 Head and Neck Cancer: The Role of 18-fluorodeoxyglucose Positron Emission Tomography (FDG PET) CT in Identification of Unknown Primary Tumours and in Subsequent Patient Management.
- LL-NM2613 PET/CT of Neck Musculature: Normal Anatomy, Variants, and Post-treatment Findings
- LL-NM2614 Do Oral and Intravenous Contrast Have a Role in PET-CT Studies of the Abdomen and Pelvis?
- LL-NM2617 The Use and Limitations of 18-fluorodeoxyglucose Positron Emission Tomography (FDG PET) CT Imaging of Lymphoma
- LL-NM2618 Castleman's Disease: Role of FDG-PET and FDG-PET CT Imaging
- LL-NM2619 FDG-PET/CT (Fluorodeoxyglucose Positron Emission Tomography/Computed Tomography) for Planning of Radiation Therapy
- LL-NM2620 Imaging of Gynecologic Malignancies with FDG PET-CT: Case Examples—Physiologic Activity and Pitfalls
- LL-NM2621 Role of Enhanced CT in Hybrid PET/CT for the Detection of non FDG-Avid Abdominal Malignant Tumors and Characterization of Inflammatory or Physiologic FDG Hyperactivity
- LL-NM2622 The Value of PET/CT in Bony Metastatic Disease

- LL-NM2623 18-Fluorodeoxyglucose Positron Emission Tomography (FDG PET) CT Imaging in the Assessment of a Range of Sarcomas: The Uses and Pitfalls
- LL-NM3140 Web-based Tutorial on Clinical PET/CT and Reimbursement with Self Assessment Module
- LL-NM3141 FDG PET/CT in Thoracic Esophageal and Esophago-Gastric (EG) Junction Carcinoma: A Pictorial Review of Current Status
- LL-NM3145 Dual-phase, Tc-99m Sestamibi SPECT-CT Imaging of the Parathyroid Glands in Patients with Primary Hyperparathyroidism
- LL-NM3147 SPECT/CT Fusion in the Evaluation of Parathyroid Adenomas
- LL-NM3149 Usefulness of Intravenous Contrast Materials in 18F-FDG PET/CT Imaging and Potential Artifacts Leading to Misinterpretation: Modern PET/CT Technique and Its Interpretation
- LL-NM3150 Utilization of Oral Negative Contrast Agent in PET-CT Imaging
- LL-NM3151 Pictorial Review: PET/CT in the Planning and Assessment of Treatment Response of Radiofrequency Ablation Performed by CT Guidance
- LL-NM3154-D Patterns of Normal FDG Avidity in the Head and Neck on PET/CT
- LL-NM3155 Patterns of Benign Muscle Uptake Identified at F-18 fluorodeoxyglucose (FDG) PET/CT
- LL-VI2510-R11 Multislice-CT Angiography (MSCT-Angiography) and Three-Dimensional Assessment for Preoperative Planning of Perforators Flaps: Imaging Findings from a Work in Progress
- LL-VI2511 MDCT Angiography in Large Inflammatory Arteritis (LIA): Current Role in Diagnosis and Management
- LL-VI2512 Intravenous Contrast Media Pharmacokinetics Relevant to Vascular Studies Using Multidetector Computed Tomography
- LL-VI2513 Vascular Pathology in Loetz Dietz Syndrome: The Role of 64 Row MDCT with 3D Rendering for Vascular Screening and Detection of Vascular Abnormalities
- LL-VI2514 ECG-gated Multidetector Computed Tomography as a Standard Tool before Aortic Surgery
- LL-VI2515 Infectious and Inflammatory Conditions of the Aorta and Its Major Branches: An Imaging Spectrum
- LL-VI2516 Clinical Significance of MDCT Evaluation and Endovascular Interventions for the Inferior Mesenteric Artery

LL-VI2517	The Dorsal Metacarpal Artery Anatomy: MDCT Imaging-Anatomic Correlation
LL-VI2518	Feasibility of CT Angiography in the Evaluation of Varicosities: How and What to Help in Determining Therapeutic Plan?
LL-VI2519	Thoracic Outlet Arterial and Venous Syndromes: What Should Be Expected from Multislice Computed Tomography?
LL-VI3001	How to Identify the Artery of Adamkiewicz Preoperatively? Demonstration of the Artery of Adamkiewicz and Its Continuity with Aorta Using CT during Aortography Adding to Transvenous Injected CTA and MRA
LL-VI3002	Aortoenteric Fistulas: Diagnosis with CT and MR Angiography
LL-VI3003	Automated Segmentation of 3D Rendered MDCT Datasets with an Interactive Watershed Transform (IWT) Technique: Applications in Body Imaging
LL-VI3004-D	Role of 64-slice Multidetector CT Angiography (CTA) in Evaluation of Acute Limb Ischemia (ALI)
LL-VI3005	Predictive Indicators of Deep Venous Thrombosis and Pulmonary Arterial Thromboembolism in 54 Subjects after Total Knee Arthroplasty Using Multislice Computed Tomography in Logistic Regression Models
LL-VI3006	Quantitative Evaluation of Chronic Pulmonary Thromboemboli and Their Relationship to Right Ventricular Pressure Load Evaluated by Electrocardiogram Gated Multislice Computed Tomography

Scientific Posters

Space No.	Poster Title
LL-BR4223-B06	Interstitial CT Lymphography for Breast Sentinel Lymph Node Mapping and Biopsy
LL-CA4075-B01	Coronary CT Angiography with 64-slice MSCT: Effect of the Heart Rate on the Image Quality and the Reconstruction Phase
LL-CA4076-B02	Diagnostic Performance of 64-slice CT in Symptomatic Patients with Previous Coronary Bypass Surgery: Evaluation of Grafts and Coronary Arteries
LL-CA4077-B03	Noninvasive Assessment of 105 Coronary Stents by 64-slice Computed Tomography: In Stent Lumen Visibility and Patency
LL-CA4078-B04	Risk Stratification for 30 Day Mortality Using CTA for Acute Pulmonary Embolism (PE): Retrospective Comparison between Standardized 4 Chamber and Axial Views in 634 Consecutive Patients

- LL-CA4082-B08 A Physician Survey to Determine the Tradeoff between Sensitivity and Specificity in the Diagnosis of Acute Coronary Syndrome in the Emergency Department
- LL-CA4083-B09 Coronary and Thoracic Aorta CT Angiography: Frequency and Spectrum of Collateral Findings in 194 Patients
- LL-CA4084-B10 A Comparison of the Diagnostic Accuracy of Multidetector Computed Tomographic Angiography in Coronary Artery Bypass Grafts: A Meta-analysis
- LL-CA4085-D01 A Robust "Beat by Beat" Cardiac Imaging in Patients with Atrial Fibrillation Using 256 Multi-slice Row CT
- LL-CA4086-D02 Efficacy of an Intravenous Premedication Regimen in Reducing Heart Rate prior to Coronary CT Angiography
- LL-CA4089-D05 Late Myocardial Enhancement Assessed by 64-MSCT in Reperfused Porcine Myocardial Infarction: Diagnostic Accuracy of Low-Dose CT Protocols in Comparison to Magnetic Resonance Imaging
- LL-CA4090-D06 Assessment of Coronary Stents Using 40-detector CT: Comparison with 16-detector CT in Vitro
- LL-CA4091-D07 The Contrast-Fluid Level in Inferior Vena Cava (IVC Contrast Level Sign): A New CT Finding in a Patient with Acute Cardiac Tamponade
- LL-CA4092-D08 ECG-gated 16 Row Multidetector Cardiac CT for the Pre- and Postoperative Evaluation of Patients Undergoing Totally Endoscopic Coronary Artery Bypass Grafting (TECAB)
- LL-CA4093-D09 Anomalous Right Coronary Artery Originated from Left Coronary Sinus with Interarterial Course: Evaluation of the Proximal Segment on Multidetector Row CT with Clinical Correlation
- LL-CA4095-H01 Open Heart Re-operations after Coronary Artery Bypass Grafting: The Role of Preoperative Imaging with Cardiac Gated Multidetector Computed Tomography
- LL-CA4096-H02 Sixty-four Slice Multidetector Computed Tomography in the Evaluation of Arrhythmogenic Right Ventricular Cardiomyopathy: Clinical Utility and Radiographic Findings
- LL-CA4098-H04 Optimal EKG Phases for Coronary Artery Assessment with Cardiac CT Angiography
- LL-CA4099-H05 Late Acquisition for the Evaluation of Myocardial Viability by MSCT
- LL-CA4100-H06 Early and Delayed Myocardial Enhancement in Myocardial Infarction Using Two-Phase Contrast-enhanced Multidetector Row CT

- LL-CA4101-H07 Coronary Angiography by 64-Detector Row CT Using Low Dose of Contrast Media with Saline Chaser: Influence of Total Injection Volume on Vessel Attenuation
- LL-CA4102-H08 Feasibility and Safety of Coronary Multidetector Computed Tomography (MDCT) in Patients with Acute Chest Pain
- LL-CA4103-H09 Cardiac CT Angiography: Extracardiac Findings
- LL-CA4105-L01 Visualization of Coronary In-Stent Neointimal Proliferation by 64-slice Computed Tomography: Comparison with Invasive Coronary Angiography
- LL-CA4106-L02 Myocardial Bridging in Heart Transplant Patients: Evaluation with MSCT
- LL-CA4109-L05 Influence of Heart Rate in the Selection of the Optimal Reconstruction Phase in Clinical Routine Multi-slice Coronary Angiography
- LL-CA4110-L06 Unsuspected Coronary Artery Anomalies Found during 64-Detector Multi-slice CT Evaluations of Congenital Heart Disease
- LL-CA4111-L07 Clinical Application of ECG Edit Software in 64-slice MDCT for Coronary CT Angiography: Initial Experience
- LL-CA4112-L08 Assessment of the Presence and Extent of Coronary Collateralization by Coronary Computed Tomographic Angiography in Patients with Total Occlusions
- LL-CA4113-L09 Differences in Coronary Plaque Burden as Detected by Coronary MDCT between Patients with and without Metabolic Syndrome (MetSyn)
- LL-CA4114-L10 The Influence of Technique Factors on Image Quality in Multidetector CT Coronary Angiography
- LL-CA4115-R01 Cardiac Arrhythmias during Coronary CT Angiography: Early Experience with Dedicated Software for ECG Editing
- LL-CA4116-R02 Comparison of Heart Rate Variation on the ECG-gated 16-row and 64-row Multidetector Helical CT (MDCT)
- LL-CA4117-R03 Heart Rate Fluctuation and Its Influence on Image Quality in Coronary Artery Imaging with 64-detector Helical CT and the Image Quality of RCA2 Will Decrease When Heart Rate Fluctuation Over 9 bpm
- LL-CA4118-R04 Variant Anatomy of the Left Atrial Appendage: Potential Impact on Planning for Electrophysiologic Ablation Procedures
- LL-CA4119-R05 Optimizing Coronary CT Angiography

- LL-CA4122-R08 Multislice Spiral Computed Tomography for the Evaluation of Stent Patency after Left Main Coronary Artery Stenting: A Comparison with Conventional Coronary Angiography and Intravascular Ultrasound
- LL-CA4123-R09 Is Coronary Imaging with MSCT Still Impossible in Patients with Atrial Fibrillation? Comparison of a New Frequency Adapted MSCT Reconstruction Algorithm and Standard Invasive Angiography
- LL-CA4124-R10 Coronary CT Angiography Using 2nd-spec 256-Detector-row CT
- LL-CH4033-B09 Multiple Focal Ground-Glass Opacities on High-Resolution CT: Clinical Significance in Patients with Lung Cancer
- LL-CH4037-D03 Value of Axial Maximum Intensity Projection (MIP) Images for the Detection of Pulmonary Nodules in an Early Lung Cancer Detection Program with Low-dose Multislice CT: Preliminary Results
- LL-CH4039-D05 Radiological Evidence of Lymphangiomyomatosis in Female and Male Patients with Tuberous Sclerosis Complex
- LL-CH4041-D07 Five-second 16-slice MDCT Pulmonary Angiogram: The Potential Contrast Dilutional Effect of the Active Inspiration
- LL-CH4042-D08 The Value of Multi-directional Multi-planar Reconstruction with Multi-slice CT for Guiding Biopsy of Focal Pulmonary Lesions
- LL-CH4044-D10 Diagnosis and Localization of Regional, Segmental, and Subsegmental Air Trapping in Asthma
- LL-CH4046-H02 Conversion of Images Reconstructed with Lung Algorithm Using Smoothing Convolution Filter for Soft Tissue Interpretation
- LL-CH4047-H03 Pulmonary Toxicity Associated with Sirolimus Treatment in Kidney Transplantation: Radiologic Manifestations
- LL-CH4050-H06 The Effect of CT Reconstruction Algorithm on Quantitative Measures of Diffuse Lung Disease: An Inter/Intra Manufacturer Comparison
- LL-CH4051-H07 The Extent of Emphysema Measured Using Computed Tomography Scans Predicts Excess Decline in Lung Function
- LL-CH4052-H08 Additional Findings in the Dutch-Belgian Lung Cancer Screening Trial (NELSON) with Low-dose CT
- LL-CH4053-H09 Impact of Massive Image Noise on Emphysema Scores Provided by the Density Mask Method on Multislice Computed Tomography

- LL-CH4054-H10 The Sensitivity of Two Lung Cancer CAD Systems Compared a Pathologic Gold Standard
- LL-CH4058-L04 Pulmonary Cryptococcosis in Patients without HIV Infection: Immunologic Competence and CT Findings
- LL-CH4059-L05 Right Inferior Pulmonary Vein Pericardial Recess: A Potential Pitfall—Morphological and Densitometric Analysis with Multidetector CT
- LL-CH4061-L07 Dose Reduction in High Resolution MSCT Examinations of the Chest for an Early Detection of Pneumonia in Immunocompromised Patients
- LL-CH4062-L08 CT-based Blood Flow Measurements in Lung Parenchyma of Normal Controls: Normal Smokers and Smokers with Emphysema
- LL-CH4063-L09 Functional Evaluation of Pulmonary Embolism-Reperfusion Injury in Canine Model by Using Multidetector CT Perfusion Imaging
- LL-CH4064-L10 Accessory Cardiac Bronchus in Japan
- LL-CH4066-R02 CT Pulmonary Angiography for Evaluation of Pulmonary Embolus: Comparison of Fully Automatic and Semi-automatic Intravenous Contrast Bolus Tracking with Fixed Delay Technique
- LL-CH4068-R04 Image Findings of Low Dose Chest CT in Subway Workers: Study of 1091 Patients in Seoul
- LL-CH4069-R05 Basic and Clinical Assessment of New CT Auto Exposure Control (CT-AEC) System Permitting XYZ-Modulation in 64-Slice Multislice CT
- LL-CH4070-R06 Lung Parenchymal Abnormalities of Churg-Strauss Syndrome in 23 Patients: CT Findings and Correlation with Clinical and Pathologic Findings
- LL-CH4071-R07 Use of Contrast CT for Three Dimensional Diagnosis of Small Pulmonary Nodules: Differentiation between Benign and Malignant Nodules
- LL-CH4072-R08 Correlation between Lung Attenuation with High Resolution Computed Tomography (HRCT) and Chronic Obstructive Pulmonary Disease (COPD) Severity Grading Systems
- LL-CH4073-R09 Differential Diagnosis of Malignant Anterior Mediastinal Tumors on CT: Low Incidence of Lymphadenopathy in Malignant Germ Cell Tumor
- LL-CH4074-R10 Detection of Ground-glass Opacity in the Lungs at Multi-Detector CT: Effect of the Radiation Dose and CT Number of Ground-glass Opacity (GGO)
- LL-GI2176-B05 Understanding Errors at CT Colonography: Multifactorial Analysis

- LL-GI2177-B06 Intraindividual Comparison of Primary 2D with Primary 3D Reading in Abdominal Radiologists with Limited Training in CT Colonography in Terms of Polyp Detection and Conspicuity and Interpretation Time
- LL-GI2178-B07 Virtual Gastroscopy in the Evaluation of Gastric Lesions: Comparison with Endoscopic Gastroscopy
- LL-GI2179-B08 Efficacy of Contrast-enhanced Hydro-multidetector CT (CE-HMDCT) in the Preoperative Staging of Esophageal Cancer in Comparison to Endoscopical Ultrasonography (EUS) Using Histopathological Findings as the Gold Standard
- LL-GI2182-D01 Multisection Dynamic CT-Perfusion Technique in Fibrotic and Neoplastic Liver Condition
- LL-GI2184-D03 Hepatic VX2 Tumor after Portal Vein Occlusion in Rabbits: The Evaluation of VEGF Expression with MSCT Perfusion
- LL-GI2185-D04 Liver Lesion Detection on Multidetector CT: The Effect of Different Reconstruction Slice Thicknesses
- LL-GI2186-D05 Diagnostic Value of the Delayed Phase Image for Iso-Attenuating Pancreatic Carcinomas during the Pancreatic Parenchymal Phase on MDCT
- LL-GI2187-D06 Sequential Change of the Arterial Blood Supply during the Development of Hepatocellular Carcinoma with Particular Emphasis on Its Late Stage: Radiologic-Pathologic Correlation
- LL-GI2189-D08 Hepatic Perfusion in Cirrhotic Rats with Dynamic 64-slice CT: An Animal Experimental and Compared Pathological Research
- LL-GI2190-D09 CT Colonic Wall Thickening in End Stage Liver Disease: Correlation with Colonoscopy
- LL-GI2191-D10 Three-dimensional Helical Computed Tomography Cholangiography with Minimum Intensity Projection Comparison with Magnetic Resonance Cholangiography
- LL-GI2202-L01 Staging Accuracy of Multi-Detector Row CT for Extrahepatic Bile Duct Carcinoma
- LL-GI2203-L02 Evaluation of Low-Dose Multi-Detector Row CT Colonography Using Low-Dose Raw Data Sets Simulated from the Original Scanned Raw Data
- LL-GI2204-L03 Computed Tomographic Colonography: An Expert Reader Put Four Workstations under "Magnifying Glass"
- LL-GI2205-L04 Normal Appendix in Adults: Pictorial Review of MDCT Findings about Usual and Unusual Location, Thickness, and the Presence or Absence of Intraluminal Gas

- LL-GI2206-L05 Dynamic CT Findings of Hepatic Metastases from Gastrointestinal Stromal Tumors (GISTs)
- LL-GU2143-H02 Noninvasive Prediction of Renal Stone Composition Using High Spatial Resolution, Dual-energy CT
- LL-GU2155-L04 Acute Renal Colic: Guidance for Imaging
- LL-GU2163-R02 Feasibility of Noninvasive Prediction of Renal Stone Composition Using CT Number Histogram Analysis
- LL-GU2170-R09 Low Dose MDCT Urography(MDCTU) with Two Series, Triple-bolus Scanning Technique: Applicability and Image Quality Analyses
- LL-NR4132-B08 Bone-subtracted CT Angiography to Evaluate the Skull-base ICA Aneurysms
- LL-NR4139-D05 Detection and Characterization of Intracranial Aneurysms with 16-Channel Multidetector Row CT Angiography: A Prospective Comparison of Volume-rendered Images and Digital Subtraction Angiography
- LL-NR4140-D06 Subtraction CT Angiography to Evaluate the Surgically Clipped Intracranial Aneurysms: An Application with 'Controlled-Orbit Helical Scanning' and 'Volume Position Matching' Post Processing Technique
- LL-NR4144-D10 Comparison of Perfusion in Patients with a Perimesencephalic Hemorrhage and Patients with Aneurysmal Subarachnoid Hemorrhage
- LL-NR4147-H03 Sixty-four Slice CT Preoperative Assessment of Neoplastic Infiltration into Laryngeal Cartilages
- LL-NR4152-H08 Three-dimensional CT Imaging of the Middle and Inner Ear Pathology: Correlated with Operative Findings
- LL-NR4154-H10 Utility of CT Scan in Positive and Differential Diagnosis of Crico-Arytenoid Joint Dislocation (CAJD)
- LL-NR4168-R04 Multidetector-row CT Angiography (MDCTA) in the Evaluation of the Deep Cerebral Veins
- LL-NR4171-R07 CT Angiographic Evaluation of the Course and Surgical Landmarks of Vertebral Artery in 50 Cases with Basilar Invagination
- LL-NR4172-R08 Ultra Low Dose 3D CT Protocols to Assess Craniofacial Asymmetry: Is It Effective?
- LL-PH4192-H01 Dual Energy X-ray CT with an Asymmetric Filter
- LL-PH4193-H02 Tracer-Delay Effect in CT Perfusion Imaging: Evaluation of the Difference in Deconvolution Algorithms and Tissue Residue Functions
- LL-PH4194-H03 Region of Interest (ROI) Cone-beam CT Using Dual Resolution, Dual Detector Image Acquisition: Evaluation of Off Centered ROIs

- LL-PH4195-H04 Temporal and Dynamic Subtraction of the Liver for Detection of HCC Using a Nonlinear Volume Image Warping Technique for Enhanced Diagnostic Quality
- LL-PH4196-H05 Effects of Angle Selection on the PSFs in Half-scan Cone Beam CT: A Simulation Study
- LL-PH4197-H06 Verification of Isotropic Spatial Resolution Based on the Multislice CT (MSCT) with 0.5 mm Slice Thickness: Control of Frequency Characteristics in the Z Direction
- LL-PH4198-H07 Automatic Exposure Control: How to Estimate Patient Organ Doses When Detailed Information on the Modulated Tube Current Is Not Available
- LL-PH4199-H08 Examination of the Decomposition Level and Threshold Value in Nonlinear Wavelet Noise Processing for X-ray CT Image
- LL-PH4200-H09 Effect of High Heartbeat and Heartbeat Fluctuation for Cardiac Image Quality on the ECG-Gated 16 Row Cardiac MDCT
- LL-PH4201-H10 Evaluation of In-Stent Restenosis Detection Ability with Different Material/Size and Different Stenosis Types Using ECG Gated 64 Row (40mm) Volume Computed Tomography (VCT) Pulsating Cardiac Phantom Experiments
- LL-VI2033-L03 Peridiaphragmic Draining Veins from Gastric Varices: Demonstration by Multidetector Row CT
- LL-VI2034-L04 Sixteen Multidetector CT Angiography of Aortic Aneurysms: Comparison of 3 Different Volumes of Contrast Material with Saline Bolus Chaser
- LL-VI2036-L06 3D CT Angiography of Adamkiewicz Artery by 64ch Multidetector Row CT with Fast Contrast Medium Injection
- LL-VI2038-L08 Effects of Nonionic Iodinated Contrast Media on Patient Heart Rate during Intracardiac or Intraarterial Injection
- LL-VI2040-L10 Detection of Endoleaks after Endovascular Repair of Abdominal Aortic Aneurysm with Multidetector CT Angiography: Can We Skip the Arterial Phase Acquisition?

Informatics Special Event

- | Space No. | Exhibit Title |
|--------------|----------------|
| LL-INHOW6-10 | CT Colonoscopy |