



International Society for Computed Tomography



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Professor of Radiology and Bioengineering
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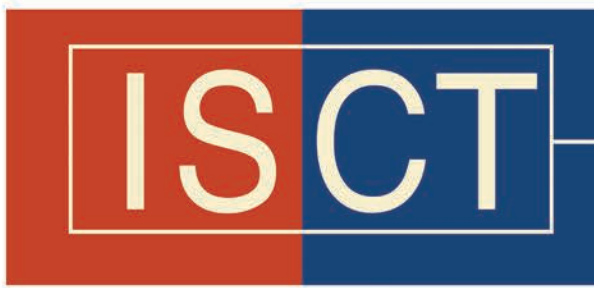
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Uwe-Joseph Schoepf, MD
Medical University of South Carolina

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Postgraduate Institute
for Medicine



International Society for Computed Tomography

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The 17th MDCT Mobile App is a native application for iPhone, iPad, Android devices. There's also a webbased version of the application for all other web enabled devices.

For Attendees, the 17th MDCT Mobile App provides intuitive, easy to use features serving to augment this event:

- The Home section serves as your portal to everything the app has to offer
- The Program section contains a day-by-day view and allows you to add specific sessions to your device's calendar
- Faculty is your go-to section to learn more about the individuals involved with this event
- Rate the sessions you attend and comment on them too
- NEW This Year! MDCT Polling Feature, participate in the discussion
- Built-in Twitter feed allows you to follow the happenings of MDCT 2015 using #MDCT2015 or #ISCT
- The Exhibitors section is your go-to to see what exhibitors are presenting at this event
- The Restaurants and Shopping sections help you find some rest and relaxation nearby

Downloading the 17th Annual International MDCT Symposium Mobile App couldn't be easier. Simply search for "17th MDCT" on your devices app store for iPhone, iPad and Android devices. For All Other Phone Types: While on your smartphone, navigate to <http://isct.org>.

Alternatively, scan the QR code



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Postgraduate Institute
for Medicine



17th Annual International Symposium on Multidetector-Row CT



Welcome

Welcome to the 17th Annual International Symposium on MDCT

CT technology continues to evolve at a rapid pace. The last few years have seen a remarkable acceleration in the technical development of CT scanners. Our goal in creating this program is to present the full spectrum of what is new and exciting in CT both from the perspective of technical advances, novel applications, evidence-based practice, and trends in workflow and practice patterns.

This year the ISCT is excited to dedicate an entire day prior to the formal start of the symposium with a Pre-Symposium Workshop on Dual Energy CT, led by Dushyant Sahani, MD from Harvard Medical School. With the recent rapid evolution of acquisition and post processing tools for performing dual energy scanning, a number of important applications have emerged. The session is intended to be hands-on and highly interactive to afford our learners with a rich and impactful educational experience.

The MDCT Symposium continues with the program elements that have set our program apart, including the diverse nine-minute lecture format and the workstation face-off. New this year is a protocol panel composed of the top experts in CT imaging to discuss challenges and solutions for assuring that our sophisticated and highly customizable CT scanners are tuned to provide tailored scans to maximize clinical impact.

Our faculty represents the best of world leaders in CT imaging and promise to provide a compelling and clinically applicable educational program. I hope that you share my excitement as we watch the evolution of CT unfold in the over 170 presentations and discussion sessions.

Be sure to download the 17th MDCT Mobile App your "Symposium Concierge"! Join the Twitter conversation by using #MDCT2015

On behalf of the ISCT I thank you for your participation in our symposium and wish you a highly stimulating and educational experience.

A handwritten signature in black ink, appearing to read 'Geoffrey Rubin', is written over a light orange background that features a faint silhouette of the San Francisco skyline, including the Golden Gate Bridge and various skyscrapers.

Geoffrey D. Rubin, MD



17th Annual International Symposium on Multidetector-Row CT June 7 – 10, 2015

Accreditation

Target Audience

This activity has been designed to meet the educational needs of Radiologists, Cardiologists, Medical Imaging Scientists, Radiologic Technologists, Nurses and non-radiologist physicians who utilize CT technology and its applications.

Statement of Need

Learners need to understand the impact of new MDCT developments on clinical practice and how to implement acquisition protocols, dose reduction strategies and visualization techniques to take full advantage of these advances. Developments in MDCT technology have resulted in a broad spectrum of new and improved clinical applications. Learners need to recognize pitfalls and employ applications and techniques in abdominal, musculoskeletal, thoracic, neuro, cardiac and vascular CT imaging for improved image quality and diagnosis.

Educational Objectives

After completing this activity, the participant should be better able to:

- Use appropriate techniques to reduce radiation exposure while maintaining diagnostic image quality
- Describe advanced image rendering techniques and post processing workstations to fully analyze scan data
- Utilize the current methods for performing cardiac CT in the clinical settings
- Implement the methods and applications for improving CT imaging utilizing the latest generation of CT scanners
- Enumerate current techniques and protocols to accurately diagnose disorders of the chest, brain, abdomen, vascular, and musculoskeletal systems in adults and children
- Specify imaging and post-processing techniques to accurately measure brain perfusion for more detailed diagnoses and follow-up to treatment.

Accreditation Statement

This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of Postgraduate Institute for Medicine and International Society for Computed tomography (ISCT). The Postgraduate Institute for Medicine is accredited by the ACCME to provide continuing medical education for physicians.

Credit Designation

The Postgraduate Institute for Medicine designates this live activity for a maximum of 38.75 AMA PRA Category 1 Credit(s)[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Please note Work Station Face-Off is not available for CME credit.

How to Print CME Certificate

You may complete the evaluation online at www.cmeuniversity.com. On the navigation menu, click on "Find Post-tests by Course" and search by project ID 10722. You will be required to register if you have not done so previously. Please make note of your login name and password as you will be able to use this for future activities. Upon successfully completing the evaluation, your certificate will be made available immediately.



International Society for Computed Tomography

Technologist Credit

This course has been approved for up to 34.0 ARRT Category A Continuing Education credits for those technologists attending the entire course.

Disclaimer

Participants have an implied responsibility to use the newly acquired information to enhance patient outcomes and their own professional development. The information presented in this activity is not meant to serve as a guideline for patient management. Any procedures, medications, or other courses of diagnosis or treatment discussed or suggested in this activity should not be used by clinicians without evaluation of their patient's conditions and possible contraindications or dangers in use, review of any applicable manufacturer's product information, and comparison with recommendations of other authorities.

About ISCT

The ISCT is dedicated to promoting and coordinating the scientific, philanthropic, intellectual and professional activities of computed tomography. The Society's mission is to serve the health care needs of the general public through the support of science, teaching and research and the quality of service in the field of computed tomography.

The ISCT is pleased to present two of the premiere CT conferences in the world. These symposia each have a long tradition of success and will retain their distinct features including their unique meeting formats and the participation of world experts. The move to ISCT will not change these meetings, rather create an opportunity for synergy and shared innovation in CT education.

With the rapid pace of technology change in CT, the need for education is critical. Together under the ISCT umbrella, the educational programs will continue to highlight evolving CT technology and play a key role in disseminating the capabilities and potential for the various platforms, while also serving as a forum for investigators to collaborate and compare imaging approaches and results.

ISCT Live Stream

The ISCT is pleased to announce that the MDCT 2015 Symposium will be presented over the internet as a Live Stream on the AuntMinnie.com and ISCT.org websites. Those that can not attend the course in person now have the opportunity to visit the live stream and participate in the course remotely, including the functionality of being able to send questions in real time to session moderators.

CME On-Demand Library

Your engagement does not end with the end of the 17th MDCT Symposium. Visit the ISCT "CME On-Demand" library for full access to the lectures with your registration at isct.org.

Future Conference Dates

June 20-23, 2016

Hyatt Regency San Francisco



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Future Conference Dates

June 20-23, 2016

Hyatt Regency San Francisco

Registration begins June 15th, 2015



2015 Workshops

Dual Energy & Multi-Spectral Techniques and Applications

Unravel the details of this exciting new method for tissue characterization and reduction of both radiation and iodine exposure. Comparison of implementation methods, processing/display techniques, interpretation and application.

Saturday, June 6, 2015

9:00 am	Dual Energy & Multi-spectral Techniques and Applications	Dushyant Sahani, MD
9:05	Workflow GE	Dushyant Sahani, MD
9:20	Workflow Siemens	Patrick McLaughlin
9:35	Workflow Philips	Jacob Sosna, MD
9:50	Workflow Toshiba	Patrik Rogalla, MD
10:05	Q&A	Patrik Rogalla, MD
10:15	Virtual Unenhanced and Iodine Map Images	Aaron Sodickson MD Benjamin M. Yeh, MD
10:45	Body - Liver and Bile Ducts	Carlo N. De Cecco, MD, PhD
11:15	Body - Pancreas Masses and Pancreatitis	Dushyant Sahani, MD
11:45	Body - Renal and Adrenal Pathologies	Daniele Marin, MD
12:15	Q&A	Dushyant Sahani, MD
12:30	Lunch	
1:30	Body - GI Tract Pathologies	Benjamin M. Yeh, MD
1:55	MSK - MSK Applications	Patrick McLaughlin
2:25	MSK - Metal Hardware and Artifacts	Daniele Marin, MD
2:50	Q&A	Dushyant Sahani, MD
3:00	Neuro Vascular	Dushyant Sahani, MD
3:20	Cardio Thoracic DECT	Uwe-Joseph Schoepf, MD
3:40	CTA Abdomen	Aaron Sodickson MD
4:00	Cardiac	Uwe-Joseph Schoepf, MD
4:25	Low Iodine Dose CTA	Dushyant Sahani, MD
4:45	Q&A	Dushyant Sahani, MD

Technologist Round Table Luncheon

Wednesday, June 10, 2015 - Topics & Presenters

Table 1	TAVR Planning	Kristy Bogart, RT (CT) (CIIP) (3D Technologist)
Table 2	Technologist Education	Christoph Zorich RT (R) (CT)
Table 3	What does a 3D Technologist Do?	Shannon Walters, MIS, RT(MR) (3D Technologist)
Table 4	You can Print 3D	Chris Letrong, RT (3D Technologist)
Table 5	Successful quality-projects	Daisha Marsh RT (R) (CT)
Table 6	What was my Dose?	Jia Wang, PhD
Table 7	Burning Contrast Questions	Lior Molvin RT (R) (CT) (M.B.A)



2015 MDCT Program

Sunday, June 7, 2015

Technical Developments - Cynthia McCollough, PhD, FAAPM, FACR

6:30-7:00 am	Registration and Check-in, Exhibits, Continental Breakfast	
7:00	Program Overview	Geoffrey D. Rubin, MD
7:10	CT Developments Since the 2014 ISCT Meeting	Cynthia McCollough, PhD, FAAPM, FACR
7:20	Spectral CT with a Dual Layer Detector	Norbert Pelc, ScD
7:30	Prospects of Photon-Counting Energy-Discriminating Detectors for Clinical CT	Willi A. Kalender, PhD.
7:40	Spatial Resolution in CT: How Close are we to Digital Radiography?	Cynthia McCollough, PhD, FAAPM, FACR
7:50	Advantages of a Broad Range of X-ray Spectra from 70 to 150 kV	Willi A. Kalender, PhD.
8:00	Focal Spot Blooming in CT: We didn't Know we had a Problem Until we had a Solution	Cynthia McCollough, PhD, FAAPM, FACR
8:10	CT Dose Alerts - Relevance and Implications	Aaron Sodickson MD
8:20	AAPM Report 220: Quantifying Patient Size in Terms of Water Equivalent Diameter	Cynthia McCollough, PhD, FAAPM, FACR
8:30	Technology for Reduced Radiation Dose in CT	Norbert Pelc, ScD
8:40	A Penny Saved is a Penny Earned: Global Dose Reduction in a Multicenter Institution	Patrik Rogalla, MD
8:50	Strategies for Standardizing Image Quality and Patient Dose Across a Range of CT Scanner Models and Patient Sizes	Cynthia McCollough, PhD, FAAPM, FACR
9:00	Discussion	Geoffrey D. Rubin, MD
9:15	Break	

Clinical Acquisition Protocols - Geoffrey D. Rubin, MD

9:35	How to Arrive at sub-mSv Dose Levels in CT Without Compromising Image Quality?	Willi A. Kalender, PhD.
9:45	CTDI in Daily Clinical Practice: Beyond Patient Dose Estimates	Lynne Hurwitz Koweek, MD
9:55	Patient Mis-Centering - a Frequent Cause of Image Noise	Myron Pozniak, MD
10:05	Integration of Dual Dource Single Energy (high pitch) CT Protocols into Clinical Practice: Lessons Learned	Lynne Hurwitz Koweek, MD
10:15	Performance of High Pitch Mode With 3rd Generation Dual Source CT	Hans-Christoph Becker, MD
10:25	keV Based Primary Reading in CT: A New Paradigm?	Jacob Sosna, MD
10:35	Implementing an Iterative Temporal Resolution Algorithm in the Assesment to Blunt Thoracic Trauma	Savvas Nicolaou, MD
10:45	How to Introduce Iterative Reconstruction Techniques in a Busy Multivendor CT Practice.	Dushyant Sahani, MD
10:55	Impact of the Learning Curve on Radiologist's Diagnostic Performance Using an Adaptive Statistical Iterative Reconstruction Algorithm	Daniele Marin, MD
11:05	Imaging of the Polytrauma patient: Role of Whole Body CT	Savvas Nicolaou, MD
11:15	CT protocol Validation - Are you really doing a good job or are you only fooling yourself?	Myron Pozniak, MD
11:25	Data Analytics for Finding and Fixing the Problem Protocols	Aaron Sodickson MD
11:35	Simple Protocol Design for Musculoskeletal MDCT	Chris Beaulieu, MD, PhD
11:45	MDCT of Ankle and Foot Trauma: Findings Not to Miss	Chris Beaulieu, MD, PhD
11:55	Discussion	
12:15	Lunch	



Sunday, June 7, 2015 continued

Applications for Dual Energy CT - Dushyant Sahani, MD

1:30	Orientation to Dual Energy CT: Principles and Implementations	Dushyant Sahani, MD
1:45	Pitfalls and Artifacts in Dual Energy CT: Diagnosis, Cause, and Prevention	Daniele Marin, MD
1:55	DECT Artifact Reduction in the Abdomen and Pelvis	Benjamin M. Yeh, MD
2:05	Practical Tips for how Dual Energy CT Post Processing can Speed up your Practice	Carlo N. De Cecco, MD, PhD
2:15	Is That Real Enhancement? Iodine at DECT	Benjamin M. Yeh, MD.
2:25	DECT Workflow Considerations in the Emergency Room	Dushyant Sahani, MD
2:35	The Added Value of Dual Energy CT on Demand in Clinical Practice	Jacob Sosna, MD
2:45	Lung Iodine Maps: Differences Between Second and Third Generations of Dual-Source Scanners	Martine Remy-Jardin, MD, PhD
2:55	Liver Nodule Analysis with Dual Energy CT	Carlo N. De Cecco, MD, PhD
3:05	Discussion	Dushyant Sahani, MD
3:20	Break	
3:40	Liver DECT: Fat and Fibrosis Quantification with MMD	Dushyant Sahani, MD
3:50	Pancreatic Mass Evaluation with Dual Energy CT: An Update	Carlo N. De Cecco, MD, PhD
4:00	Dual Energy CT for the Characterization of Renal Masses	Daniele Marin, MD
4:10	Incidental Adrenal Lesion Characterization Using Dual Energy CT	Carlo N. De Cecco, MD, PhD
4:20	DECT of Bowel Pathology	Aaron Sodickson MD
4:30	One Man's Trash is Another Man's Treasure: Dual-energy in Bowel Ischemia	Patrik Rogalla, MD
4:40	Reducing Utilization Through Routine DECT of Incidental Lesions	Aaron Sodickson MD
4:50	The Value of Color : Role DECT in the Assesment of Acute MSK Trauma	Savvas Nicolaou, MD
5:00	Discussion	
5:15	End of Sunday's Session	

Reception

5:15 - 6:15	Join the ISCT for a Reception in the Grand Foyer Exhibit Area	
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International Society for Computed Tomography

Monday, June 8, 2015

Abdomen/Pelvis and Oncology - Myron Pozniak, MD

7:00 am	Optimized keV for Visualization of the Abdominal Organs	Jacob Sosna, MD
7:10	The Leukemia Patient with Abdominal Pain	Terry Desser, MD
7:20	Differential Diagnosis of Incidental Bone Lesions on Body CT	Chris Beaulieu, MD, PhD
7:30	Variceal Pathways – Not Just Portal Hypertension	Myron Pozniak, MD
7:40	Portal Vein Thrombosis--more complicated than you think	Terry Desser, MD
7:50	The Blunt Trauma Imaging Checklist	R. Brooke Jeffrey, MD
8:00	Spectrum of Pancreatic Traumatic Injuries: Value of Imaging from a Surgeons Perspective	Savvas Nicolaou, MD
8:10	The Incidentally Discovered Pancreatic Mass	R. Brooke Jeffrey, MD
8:20	Metastatic Disease to the Pancreas: Increased Role of CT in Detection and Management	Elliot Fishman, MD
8:30	Adrenal Imaging 2015: Algorithmic Approach	Giles Boland, MD, FACR
8:40	Assessment of Stone Volume in VNC Images: Do small stones disappear?	Cynthia McCollough, PhD, FAAPM, FACR
8:50	Pitfalls in Imaging Bladder Pathology: Sources of Error and Misdiagnosis	Elliot Fishman, MD
9:00	Discussion	
9:15	Break	
9:35	Controversies in Oral Contrast Material Use	Benjamin M. Yeh, MD
9:45	Bowel Complications of Chemotherapeutic Agents	Terry Desser, MD
9:55	Dual Phase Imaging for GI Bleeding: Why Arterial and Venous Phase Imaging Eliminates the Need for Non-contrast CT Scans	Elliot Fishman, MD
10:05	Shortcuts to CT Diagnosis of Appendicitis	Benjamin M. Yeh, MD
10:15	Strategies to Reduce the Use of CT for Appendicitis when US fails to Visualize the Appendix	R. Brooke Jeffrey, MD
10:25	Novel Virtual Holography CT Colonography	Judy Yee, MD
10:35	Current Reimbursement Strategies for CT Colonography	Judy Yee, MD
10:45	Evaluating Cancer Treatment Response: Everything You Wanted to Know but were Afraid to Ask	Daniel L. Rubin, MD
10:55	Evaluating Cancer Treatment Response: Emerging Standards and Automated Approaches	Daniel L. Rubin, MD

Protocol Panel - Geoffrey D. Rubin, MD

11:20	Protocol Panel	Speakers: Benjamin M. Yeh, MD R. Brooke Jeffrey, MD Cynthia McCollough, PhD, FAAPM, FACR Elliot Fishman, MD Fabian Bamberg M.D., M.P.H. Geoffrey D. Rubin, MD Jacob Sosna, MD Judy Yee, MD Myron Pozniak, MD Savvas Nicolaou, MD Terry Desser, MD
12:20	Lunch	



International Society for Computed Tomography

Monday, June 8, 2015 continued

Image Processing - Geoffrey D. Rubin, MD

1:35	PACS Systems & Productivity: How to use hanging protocols to improve productivity and minimize interpretation errors	Jeffrey B. Mendel, MD
1:45	Why not to look at the Thinnest Section Images, and the Relationship to 3D Reconstruction?	David Avrin, M.D.,PhD.
1:55	Optimal CT Acquisitions for 3D Anatomic Printing	Terri J. Vrtiska, MD
2:05	Voice Recognition & PACS: Who owns your desktop and how this decision will affect future workflow	Jeffrey B. Mendel, MD
2:15	The Challenges and Value of EMR Integration at the PACS Workstation	David Avrin, M.D.,PhD
2:25	PACS Systems & Productivity: What is coming in The Next Generation of PACS Integration to Boost Productivity and Add Value in the ACO Environment	Jeffrey B. Mendel, MD
2:40	Federally mandated Decision Support for outpatient CT ordering coming January 2017	David Avrin, M.D.,PhD
2:50	Discussion	
3:05	Break	

13th Annual Workstation Face-Off - Geoffrey D. Rubin, MD

3:30-6:00 pm	For the past twelve years the MDCT Workstation Faceoff has aimed to define the limits of workstation performance. In Year 13 you will observe physician-operators navigate the same diverse clinical datasets to identify key clinical findings. Radiology workstations from the major manufacturers will be tested before our audience of sophisticated physician judges under severe time pressure to demonstrate the workstations and associated image reconstruction software can handle anything our moderator will throw at them	Geoffrey Rubin, MD
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International Society for Computed Tomography

Tuesday, June 9, 2015

Pediatric - Bruce Greenberg, MD

7:00 am	What Image Gently Lessons Community Hospitals still need to learn for Pediatric Abdomen Imaging	Bruce Greenberg, MD
7:10	Clinical Trial Results for Pediatric CTA Dose Reduction	Frandics Chan, MD
7:20	Pediatric Chest CT: Novel Dose Saving Techniques	Thomas Henzler, MD
7:30	Low dose CTA Protocols that Combine Cardiac Function and Vascular Anatomy	Frandics Chan, MD
7:40	CTvs MR in Neonatal Cardiovascular Imaging	Beverly Newman, B.Sc. MB.BCh.
7:50	Neonatal CTA: is the Information Worth the Risks?	Frandics Chan, MD
8:00	Bicuspid Aortic Valve and Coarctation Evaluation and Follow-up	Bruce Greenberg, MD
8:10	Managing Atelectasis in Pediatric Chest CT	Beverly Newman, B.Sc. MB.BCh.
8:20	Dynamic Pulmonary Imaging in Infants with Cardiopulmonary Abnormalities	Bruce Greenberg, MD
8:30	Cystic Lung Lesions in Children - Differential Diagnosis	Beverly Newman, B.Sc. MB.BCh.
8:40	CT Guidance for Pediatric Interventions	Matthew Lungren, MD, MPH
8:50	Discussion	Bruce Greenberg, MD
9:05	Break	

Practice Management - Geoffrey D. Rubin, MD

9:25	The Imaging Value Chain: Framework to Deliver Quality, Safety, Appropriateness and Patient Satisfaction	Giles Boland, MD, FACR
9:35	Applying LEAN Principles to Improve Workflow in Body Imaging	Arun Krishnaraj, MD, MPH
9:45	CT Protocol Optimization – The Team Approach	Myron Pozniak, MD
9:55	Optimizing Reporting Throughput by Leveraging Advanced Health Record Technology	Arun Krishnaraj, MD, MPH
10:05	What Does Quality Look Like in Radiology? Where are the Metrics Heading?	Kimberly Applegate, MD, MS, FACR
10:15	Your Name in Lights: Improving Faculty, Staff, and Referring Provider Engagement via Digital Signage	Arun Krishnaraj, MD, MPH
10:25	Quality Tools for Every Radiology Practice	Kimberly Applegate, MD, MS, FACR
10:35	Decision Support Tools for Radiologists: Delivery of Best Practice Guidelines	Giles Boland, MD, FACR
10:45	Examples of QA Events in Radiology that can lead to PQI Team Projects	Kimberly Applegate, MD, MS, FACR
10:55	Care Redesign: How and Where do Radiologists Participate	Giles Boland, MD, FACR
11:05	Radiologists and the Bean: Disaggregation for Revenue Transfer from Bundled Payments	Geoffrey D. Rubin, MD
11:15	Blending the Old Guard with the new Guard: Achieving Equity in Scheduling When Faced with Team Members of Heterogenous Skill Sets	Arun Krishnaraj, MD, MPH
11:25	Could and should CT undergo Überization?	Geoffrey D. Rubin, MD
11:35	The Increasing Importance of Patient- Centered Radiology	Judy Yee, MD
11:45	Role of Social Media in Your Clinical Practice	Elliot Fishman, MD
11:55	Discussion	
12:15	Lunch	



Tuesday, June 9, 2015 continued

Lung Cancer Screening - Charles S. White, MD

1:30	The Results of the European Trials – A Cautionary Tale for the US	Mathias Prokop, MD
1:40	CMS Requirements for Lung Cancer CT Screenin	Ella A. Kazerooni, MD
1:50	Risk Assessment – Beyond Lung RADS	Mathias Prokop, MD
2:00	ACR Lung Cancer Screening Registry	Ella A. Kazerooni, MD
2:10	The Heart in Lung Screening	Mathias Prokop, MD
2:20	Dose and Image Quality in Lung Cancer Screening: Role of Iterative Model Reconstruction	Charles S. White, MD
2:30	Lung RADS - Negative Screens	Ella A. Kazerooni, MD
2:40	Detecting Lung Nodules in the Era of CT Screening for Lung Cancer	Geoffrey D. Rubin, MD
2:50	Lung CT Nodule CAD - From Detection to Stratification of Malignancy Risk	Charles S. White, MD
3:00	Lung RADS - Positive Screens	Ella A. Kazerooni, MD
3:10	Where's Waldo? The Challenges of Lung Nodule Detection	Geoffrey D. Rubin, MD
3:20	Discussion	Charles S. White, MD
3:40	Break	

Pulmonary - Charles S. White, MD

4:00	Spectral Imaging: A New Concept for Standard Chest Examinations	Martine Remy-Jardin, MD, PhD
4:10	Fortune Favors the Bold: 1024 Matrix in Lung Imaging	Patrik Rogalla, MD
4:20	Can Dual-Energy CT Replace Dynamic CT in the Evaluation of Lung Tumoral Perfusion	Martine Remy-Jardin, MD, PhD
4:30	Radiogenomics of Non Small Cell Lung Cancer Based on CT	Sylvia K. Plevritis, PhD
4:40	Post Radiation Changes of the Lung and Recurrence Detection	Henry Guo, MD, PhD
4:50	MDCT vs. V/Q Scan for Pulmonary Emboli	Brett Elicker, MD
5:00	PE CAD: Current Status	Charles S. White, MD
5:10	Significance of Small Pulmonary Emboli on MDCT	Brett Elicker, MD
5:20	Airways Assessment with Dynamic CT	Henry Guo, MD, PhD
5:30	Idiopathic Pulmonary Fibrosis: Recent Advances	Brett Elicker, MD
5:40	Discussion	
5:55	End of Tuesday's Session	



Wednesday, June 10, 2015

Brain, Thyroid, Parathyroid - Michael H. Lev, MD

7:00 am	CT for Thyroid Cancer: Role and Approach to Interpretation	Jenny Hoang, MBBS
7:10	CT Imaging in TBI Patients: State-Of-The-Art	Max Wintermark, MD
7:20	What to Incidental Thyroid Nodule on CT	Jenny Hoang, MBBS
7:30	"MR Clean": A Randomized Trial of CTA for Patient Selection in Intra-Arterial Stroke Treatment - NEJM Dec 2014	Michael H. Lev, MD
7:50	How Does 4D-CT Fit Into The Parathyroid Imaging Algorithm?	Jenny Hoang, MBBS
8:00	Added Value of Percent Insula Infarct in Selection for Intra-Arterial Stroke Treatment?	Michael H. Lev, MD
8:10	CT Imaging of Collaterals in Stroke	Max Wintermark, MD

Hot-Off-The-Press Debate: CTP for Stroke Treatment Selection? - Michael H. Lev, MD

8:20	CT Perfusion for Patient Selection in Intra-arterial and Intra-venous Stroke Therapy?: CON	Michael H. Lev, MD
8:30	CT Perfusion for Patient Selection in Intra-arterial and Intra-venous Stroke Therapy?: PRO	Max Wintermark, MD
8:40	CT Perfusion for Patient Selection in Intra-arterial and Intra-venous Stroke Therapy?: REBUTTAL	Michael H. Lev, MD
8:45	CT Perfusion for Patient Selection in Intra-arterial and Intra-venous Stroke Therapy?: REBUTTAL	Max Wintermark, MD
8:50	Discussion	
9:05	Break	

Vascular - Dominik Fleischmann, MD

9:25	Triple-Rule-Out Imaging: What is the evidence?	Fabian Bamberg M.D., M.P.H.
9:35	Is Non-contrast CT Really Needed for Acute Aortic Evaluation	Michael D. Hope, MD
9:45	Rupturing Thoracic Aortic Aneurysms	Dominik Fleischmann, MD
9:55	Penetrating Aortic Ulcer Versus Pseudoaneurysm: Where is the line?	Michael D. Hope, MD
10:05	Pre-Operative Aorta: CTA of the Aortic Root	Kate Hanneman MD
10:15	Post-Operative Aorta: What's Normal and What's a Catastrophe	Michael D. Hope, MD
10:25	Alphabet Soup: CTA of SCAD, SAM and MAL	Terri J. Vrtiska, MD
10:35	Stop giving contrast for Type II Endoleak studies	Myron Pozniak, MD
10:45	The Hidden Costs of Saving Dose and Contrast	Dominik Fleischmann, MD
10:55	Dynamic CTA: Acquisitions and Examples	Terri J. Vrtiska, MD
11:05	4D CT Imaging of Dialysis Fistulas and Vascular Malformations	Thomas Henzler, MD
11:15	Lower Extremity DECT CTA with Subtraction	Terri J. Vrtiska, MD
11:25	Iliofemoral and Lower Extremity CT Venography	Dominik Fleischmann, MD
11:35	Discussion	
12:00	Lunch	



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Wednesday, June 10, 2015 continued

Cardiac - Uwe-Joseph Schoepf, MD

1:10	70kV Cardiovascular CT for Everybody!	Uwe-Joseph Schoepf, MD
1:20	Advantages of Using 80 Kv in CT TAVR Planning	Claudio Smuclovsky, MD
1:30	MDCT to Improve TAVR Outcomes	Jonathon Leipsic, MD
1:40	CT Imaging of Left Atrial Appendage Occlusion Devices	Thomas Henzler, MD
1:50	MDCT for Minimally Invasive Mitral Procedures	Jonathon Leipsic, MD
2:00	Cardiovascular CT and the Obesity Pandemic	Uwe-Joseph Schoepf, MD
2:10	Latest Cardiac CT Workflow Improvements	Claudio Smuclovsky, MD
2:20	Optimization of Coronary Artery Bypass Flow by Computational Fluid Dynamics Applied to CT	Guanglei Xiong, MD
2:30	On-site User-operated CTA-FFR: Accuracy and Utility	Koen Nieman, MD
2:40	Wall Shear Stress and Lesion-Specific Ischemia: Assessment by CT	Guanglei Xiong, MD
2:50	Clinical Applications of FFRCT	Jonathon Leipsic, MD
3:00	Comparison Between CT and IVUS for the Detection of Myocardial Bridges	Hans-Christoph Becker, MD
3:10	Discussion	
3:30	Break	
3:50	Myocardial Perfusion Imaging By CT	Fabian Bamberg M.D., M.P.H.
4:00	CT Myocardial Perfusion Imaging – What's New with 3rd Generation Dual-Source CT	Uwe-Joseph Schoepf, MD
4:10	Acute Chest Pain imaging by CT	Fabian Bamberg M.D., M.P.H.
4:20	Starting an ED-Cardiac CT Chest Pain Program Made Easy	Claudio Smuclovsky, MD
4:30	Cardiac CT for Acute Chest Pain in the Era of Highly Sensitive Troponins	Koen Nieman, MD
4:40	Automated and Quantitative Assessment of Myocardial Perfusion by CT	Guanglei Xiong, MD
4:50	Bioresorbable Coronary Stents: Angiography, CTA-FFR and Perfusion	Koen Nieman, MD
5:00	CT Evaluation of Heart Transplant Complications	Karen G. Ordovas, MD, MAS
5:10	Using MDCT to Guide Cardiac Implantable Electrical Device Removal	Lynne Hurwitz Koweek, MD
5:20	Challenges Imaging Adults with Congenital Heart Disease	Karen G. Ordovas, MD, MAS
5:30	CT Evaluation of Cardiac and Pericardial Tumors	Karen G. Ordovas, MD, MAS
5:40	Discussion	
5:55	End of Wednesday's Session	



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