

SCBT·MR 33rd ANNUAL MEETING
MARCH 7 – 11, 2010
WHAT'S NEW, WHAT'S HOT & WHAT YOU MAY NOT HAVE KNOWN

Sunday, March 7, 2010

Hot Topics

Moderator: Mukesh G. Harisinghani, MD

- 7:30-7:40 a.m. – Speech Recognition: What's Coming and Impact – Lincoln L. Berland, MD
- 7:40-7:50 a.m. – Speech Recognition: Pitfalls and Potential Solutions – Leslie E. Quint, MD
- 7:50-8:00 a.m. – Radiation Dose Reduction: Should you use a Bismuth Breast Shield? – Lincoln L. Berland, MD
- 8:00-8:10 a.m. – CT Anatomic Over-Scanning: Extra, Unnecessary Imaging – Leslie E. Quint, MD
- 8:10-8:30 a.m. – Ergonomics in Daily Radiologic Practice – Mukesh G. Harisinghani, MD
- 8:30-8:50 a.m. – Cardiac MRI at 3T – Scott B. Reeder, MD, PhD
- 8:50-9:10 a.m. – The Difficult Abdominal CT Case: Ten Things to Remember for the Hurried Reader - Joel F. Platt, MD
- 9:10-9:20 a.m. – What Computer Tools to Use for Your Quality and Safety Program – Lincoln L. Berland, MD
- 9:20-9:30 a.m. – New Physician Pay Models and the Effect on Radiology – Jeffrey C. Weinreb, MD

9:30 a.m. – 10 a.m. – Break and Q&A

GU

Moderator: Brian R. Herts, MD

- 10:00-10:10 a.m. – Practical CTU Protocol-The MGH Way – Sanjay Saini, MD, MBA
- 10:10-10:30 a.m. – CT Urography Update: CTU, MRU, or Nothing – Stuart G. Silverman, MD
- 10:30-10:50 a.m. – Partial Nephrectomy Planning-Everybody's Doing it, you can too – Brian R. Herts, MD
- 10:50-11:10 a.m. – When is MRI Useful in Evaluating Renal Mass? – Stuart G. Silverman, MD
- 11:10-11:30 a.m. – Prostate MR – Neil M. Rofsky, MD
- 11:30-11:40 a.m. – How Do I Read a Prostate MRI? – Mukesh G. Harisinghani, MD
- 11:40 a.m.-12:00 p.m. – Stones, Dose, and the ER – Dushyant V. Sahani, MD, MBA

12:00 p.m. – 1 pm Lunch

Interventional Vasc

Moderator: Hanh T. Nghiem, MD

- 1:00-1:10 p.m. – Upper Extremity CTA: Technique and Applications – W. Dennis Foley, MD
- 1:10-1:30 p.m. – CT versus MR for the Runoff – Robert R. Edelman, MD
- 1:30-1:40 p.m. – Gated Thoracic Aortic CTA: Prospective Versus Retrospective – W. Dennis Foley, MD
- 1:40-2:00 p.m. – Update on CT Pulmonary Angiography – Vassilios Raptopoulos, MD
- 2:00-2:20 p.m. – Multidisciplinary Approach to Thoracic Tissue Sampling – Leslie E. Quint, MD
- 2:20-2:40 p.m. – What's New with Imaging Guided Intervention in the Abdomen and Pelvis – Hanh T. Nghiem, MD
- 2:40-2:50 p.m. – Transgluteal Biopsy or Drainage: Anatomy We Need to Know – Mukesh G. Harisinghani, MD
- 2:50-3:00 p.m. – CT Guided Biopsy of Small (Less than 10mm) Lung Nodule – Hanh T. Nghiem, MD

3:00 p.m. – 3:30 p.m. – Break and Q&A

Incidentalomas

Moderator: Lincoln L. Berland, MD

- 3:30-3:50 p.m. – Incidentalomas - The Coming Wave: Applying Incidental Guidelines – Lincoln L. Berland, MD
- 3:50-4:10 p.m. – Incidental Thyroid Nodules and Prominent Lymph Nodes on Chest CT – Richard M. Gore, MD

- 4:10-4:30 p.m. – The Incidental Pancreatic Lesion and What to Do About It – R. Brooke Jeffrey, Jr., MD
4:30-4:50 p.m. – How to Handle Hepatic Incidentalomas – Richard M. Gore, MD
4:50-5:00 p.m. – The Incidental Renal Mass: Now What? – Joel F. Platt, MD
5:00-5:10 p.m. – How to Handle Splenic Incidentalomas – Richard M. Gore, MD
5:10-5:20 p.m. – Adrenal Incidentalomas in the Real World – Brian R. Herts, MD
5:20-5:30 p.m. – How to Handle Incidental Mesenteric Abnormalities and Lymph Nodes on Abdominal CT – Richard M. Gore, MD

Monday, March 8, 2010

Hot Topics

Moderator: Richard L. Ehman, MD

- 7:30-7:50 a.m. – MR Elastography of Liver Disease: State of the Art – Richard L. Ehman, MD
7:50-8:10 a.m. – Using Decision Support to Advance Appropriateness and Healthcare Quality -
G. Scott Gazelle, MD, MPH, PhD
8:10-8:20 a.m. – Conflict of Interest in Radiology – Richard L. Ehman, MD
8:20-8:30 a.m. – Structuring the MRA or CTA Report – E. Kent Yucel, MD

Chest

Moderator: Richard L. Ehman, MD

- 8:30-8:50 a.m. – New Data about Breast MR – Jeffrey C. Weinreb, MD
8:50-9:10 a.m. – Staging of Esophageal Cancer: Role of CT and PET – Robert A. Halvorsen, MD
9:10-9:30 a.m. – Management of the Ground Glass Pulmonary Nodule – Stanley S. Siegelman, MD

9:30 a.m. – 10:00 a.m. Break and Q&A

New Applications

Moderator: Dushyant V. Sahani, MD

- 10:00-10:20 a.m. – Non-Contrast MRA: How and Where – Neil M. Rofsky, MD
10:20-10:40 a.m. – DWI in Body Applications – Ihab R. Kamel, MD, PhD
10:40-11:00 a.m. – Cryoablation of Renal Masses - Technique and Challenges – John R. Haaga, MD
11:00-11:10 a.m. – Spectral and Dual Energy CT - Is There a Role in Abdomen –
Dushyant V. Sahani, MD, MBA
11:10-11:20 a.m. – Big Bore CT – Fred T. Lee, MD
11:20-11:30 a.m. – Perfusion CT - Technique and Applications in the Body –
Dushyant V. Sahani, MD, MBA
11:30-11:40 a.m. – Abdominal MR in Pregnancy – Neil M. Rofsky, MD
11:40-11:50 a.m. – Adaptive Statistical Iterative Reconstruction (ASIR): New Opportunity to Lower CT
Dose and Improve Quality – Dushyant V. Sahani, MD, MBA
11:50 a.m.-12:00 p.m. – Moving Beyond RECIST: Assessment of Tumor Response by Functional Imaging
Ihab R. Kamel, MD, PhD

12:00 p.m. – 1:00 pm. Lunch

GI

Moderator: Joel F. Platt, MD

- 1:00-1:20 p.m. – Staging Upper GI Tract Malignancies – Richard M. Gore, MD
1:20-1:40 p.m. – CTE and MRE - Who, How, What and When – Joel F. Platt, MD
1:40-2:00 p.m. – Enterocolitides: Can We Tell Them Apart on MDCT? – Richard M. Gore, MD
2:00-2:20 p.m. – Staging of Colon and Rectal Cancer – Robert A. Halvorsen, MD
2:20-2:40 p.m. – Pelvis: Rectal and Perirectal Disease: New Imaging Considerations –
Koenraad J. Mortele, MD
2:40-2:50 p.m. – MRI in Rectal Cancer: What We Need to Know – Mukesh G. Harisinghani, MD
2:50-3:00 p.m. – Reducing dose in CT Enterography – Mark E. Baker, MD

3:00 p.m. – 3:30 p.m. Break and Q&A

GI continued...

Moderator: Susan M. Ascher, MD

3:30-3:40 p.m. – Routine Low Attenuation Oral Contrast Use for Abdominal CT: Pros and Cons – Joel F. Platt, MD

3:40-3:50 p.m. – Internal Hernias: What You Must Know – Richard M. Gore, MD

3:50-4:00 p.m. – Small Bowel MR Enterography – Scott B. Reeder, MD, PhD

4:00-4:10 p.m. – Mesenteric Ischemia: The Forgotten Diagnosis – Richard M. Gore, MD

4:10-4:20 p.m. – Imaging Acute Sigmoid Diverticulitis: What the Colorectal Surgeon Wants to Know -
Mark E. Baker, MD

Pelvis, GYN, Prostrate

Moderator: Susan M. Ascher, MD

4:20-4:30 p.m. – Nodal Staging: What You Don't Know – Mukesh G. Harisinghani, MD

4:30-4:50 p.m. – 3D T2 Uterine MRI: The Case for Space – Susan M. Ascher, MD

4:50-5:00 p.m. – DWI Imaging in Prostate Cancer Imaging – Vikas Kundra, MD, PhD

5:00-5:10 p.m. – Functioning Adrenal Tumors – Isaac R. Francis, MD

5:10-5:20 p.m. – MR Pelvis: Practical Tips – Mukesh G. Harisinghani, MD

5:20-5:30 p.m. – UAE Associated MR Imaging: Triage and Surveillance – Susan M. Ascher, MD

5:30– 6:00 p.m. Break (before reception)

6 p.m. – 8 p.m. Welcome Reception

Tuesday, March 9, 2010

Hepatobiliary

Moderator: Ann S. Fulcher, MD

7:30-7:50 a.m. – CT versus MR for the Small HCC – Scott B. Reeder, MD, PhD

7:50-8:10 a.m. – Liver MRI: T2 'Stealth' Lesions – Susan M. Ascher, MD

8:10-8:30 a.m. – HCC Diagnosis: Key Implications for Radiology – Richard L. Baron, MD

8:30-8:50 a.m. – MRI in Cirrhosis: Meeting the Needs of the Hepatologist – Sanjay Saini, MD, MBA

8:50-9:10 a.m. – Cirrhosis: The Less Than 2cm Lesion: What Is It? – Richard L. Baron, MD

9:10-9:20 a.m. – The Hyper-vascular Liver Lesion: Differential Diagnosis – Ihab R. Kamel, MD, PhD

9:20-9:30 a.m. – Technique for Performing MRCP – Ann S. Fulcher, MD

9:30 a.m. – 10:00 a.m. Break

Hepatobiliary continued...

Moderator: Neil M. Rofsky, MD

10:00-10:20 a.m. – Practical Approaches to Biliary Tract Imaging – Richard L. Baron, MD

10:20-10:40 a.m. – Imaging of Liver Transplant Complications – W. Dennis Foley, MD

Contrast

Moderator: Neil M. Rofsky, MD

10:40-11:00 a.m. – Update on NSF: Why Did It Come and Why Did It Go? – Jeffrey C. Weinreb, MD

11:00-11:20 a.m. – NSF Coming and Going: New ACR Recommendations and New Theories on the
Mechanism - Martin R. Prince, MD

11:20-11:30 a.m. – Screening for NSF – Neil M. Rofsky, MD

11:30-11:40 a.m. – Iodinated Contrast: Safety – Robert A. Halvorsen, MD

11:40-11:50 a.m. – CT, MR and Renal Function in a GFR World – Brian R. Herts, MD

11:50 a.m.-12:00 p.m. – Contrast and Sequences: New Bile Duct Imaging – Scott B. Reeder, MD, PhD

12:00 p.m. – 1:00 p.m. Lunch

Scientific Session

1:00 p.m. – 5:05 p.m.

Wednesday, March 10, 2010

Pancreatic Imaging

Moderator: R. Brooke Jeffrey, Jr., MD

7:30-7:50 a.m. – MR of Pancreas and MR Pancreatography: A Comprehensive Approach –

Ann S. Fulcher, MD

7:50-8:10 a.m. – Perineural Invasion of Pancreatic Carcinoma: Evaluation with 3D VR Imaging –

R. Brooke Jeffrey, Jr., MD

8:10-8:20 a.m. – Unusual Manifestations of Pancreatic Neuroendocrine Tumors –

Stanley S. Siegelman, MD

8:20-8:30 a.m. – Pancreas: Is It Malignant or Can We Tell? – Dushyant V. Sahani, MD, MBA

8:30-8:40 a.m. – How We Evaluate a Pancreatic Cyst - Mark E. Baker, MD

8:40-8:50 a.m. – Autoimmune Pancreatitis: A Great Imitator – Dushyant V. Sahani, MD, MBA

8:50-9:10 a.m. – What Is New for Imaging of Pancreatitis: The Atlanta Classification –

Ruedi F. Thoeni, MD

9:10-9:30 a.m. – New Therapy for Pancreatitis and Its Imaging – Koenraad J. Mortele

9:30 a.m. – 10 a.m. Break

Trauma and Pediatrics

Moderator: Kimberly E. Applegate, MD, MS

10:00-10:10 a.m. – CT of Airway Injuries – Stuart E. Mirvis, MD

10:10-10:20 a.m. – Active Extravasations: Pitfalls and Limitations – Robert A. Halvorsen, MD

10:20-10:30 a.m. – MDCT of Subtle Aortic Injuries – Stuart E. Mirvis, MD

10:30-10:40 a.m. – Blunt Abdominal Trauma: Bowel and Mesentery – Ruedi F. Thoeni, MD

10:40-10:50 a.m. – Hepatobiliary Trauma - The Essentials – Stuart E. Mirvis, MD

10:50-11:00 a.m. – MDCT Trauma Protocols Made Efficient: Total Body Scans – Ruedi F. Thoeni, MD

11:00-11:20 a.m. – Imaging Children with Acute Abdominal Pain - Role/Protocols of US, CT, MR –

Kimberly E. Applegate, MD, MS

11:20-11:40 a.m. – Congenital Lung Anomalies from Neonate to Adult – Marilyn J. Siegel, MD

11:40-11:50 a.m. – Imaging Children with Crohn's: The Role of CT/MR Enteroclysis –

Kimberly E. Applegate, MD, MS

11:50 a.m.-12:00 p.m. – Peds: Radiation Risks – Marilyn J. Siegel, MD

12:00 p.m. – 1:00 p.m. – Lunch

MSK

Moderator: Garry E. Gold, MD

1:00-1:20 p.m. - MRI of the Brachial Plexus: Have No Fear – Christopher F. Beaulieu, MD, PhD

1:20-1:40 p.m. - Stress Injuries in Athletes – Garry E. Gold, MD

1:40-2:00 p.m. - Rotator Cuff Update – Lynne S. Steinbach, MD

2:00-2:20 p.m. - Knee MRI: What Can Hurt if the Menisci and Ligaments are Normal? –

Christopher F. Beaulieu, MD, PhD

2:20-2:40 p.m. - Evaluation of ACL Repair on MRI – Lynne S. Steinbach, MD

2:40-3:00 p.m. - Femoracetabular Impingement – Garry E. Gold, MD

3:00 p.m. – 3:30 p.m. Break and Q&A

Political Hot Topics

Moderator: Lincoln L. Berland, MD

3:30-3:50 p.m. - Cost-Effectiveness Analysis: What, How and Why – G. Scott Gazelle, MD, MPH, PhD

3:50-4:10 p.m. - Radiation Dose Reduction – Kimberly E. Applegate, MD, MS

4:10-4:30 p.m. - Pre-Authorization and Decision Support for Electronic Orders – Lincoln L. Berland, MD

4:30-4:50 p.m. - Comparative Effectiveness: What's All the Fuss About? –

G. Scott Gazelle, MD, MPH, PhD

4:50-5:10 p.m. - Appropriateness and Healthcare – Kimberly E. Applegate, MD, MS

5:10-5:30 p.m. - Technology Assessment and Imaging: Challenges and Opportunities – G. Scott Gazelle, MD, MPH, PhD

Thursday, March 11, 2010

Cardiac CT Session

Moderator: Geoffrey D. Rubin, MD

7:30-7:45 a.m. – Performing Cardiac CT – The Basics – Geoffrey D. Rubin, MD

7:45-8:00 a.m. – Coronary CT Angiography: Optimal Use of IV Contrast Material – James A. Brink, MD

8:00-8:20 a.m. – Cardiac CT: Predicting the Impact of Recent Technological Advances –
Geoffrey D. Rubin, MD

8:20-8:40 a.m. – Coronary CT Angiography: Radiation Dose Considerations – James A. Brink, MD

8:40-9:00 a.m. – Use of a Workstation in Interpreting Cardiac CT – Geoffrey D. Rubin, MD

9:00-9:15 a.m. – Talk the Talk: How to Report Your Cardiac CT Angiogram – Jill E. Jacobs, MD

9:15-9:30 a.m. – Cardiac CT: Congenital Thoracic Vascular Anomalies – Marilyn J. Siegel, MD

9:30 a.m. – 10:00 a.m. Break and Q&A

Cardiac CT Session continued...

Moderator: Geoffrey D. Rubin, MD

10:00-10:20 a.m. – Cardiac CT and Plaque – Arthur E. Stillman, MD, PhD

10:20-10:40 a.m. – Cardiac CT of Congenital Heart Disease: Role in Post Operative Shunts –
Marilyn J. Siegel, MD

10:40-11:00 a.m. – Coronary CTA - The Multicenter Trials – Arthur E. Stillman, MD, PhD

11:00-11:20 a.m. – The Negative Cardiac CT Angiogram in Low Risk Patients: Is It Safe? –
Jill E. Jacobs, MD

11:20-11:40 a.m. – Chest Pain in the ER: Recent Developments for Gated CT – William P. Shuman, MD

11:40 a.m.-12:00 p.m. – Coronary CT Angiographic Evaluation of Coronary Artery Bypass Grafts:
Strengths and Limitations – Jill E. Jacobs, MD

12:00 p.m. – 1:00 p.m. Lunch

1:00-1:20 p.m. – Top Ten Indications for Cardiac MRA – E. Kent Yucel, MD, MD

1:20-1:40 p.m. – MR Strategies for Optimizing Cardiovascular Diagnosis When Gadolinium Is
Contraindicated – Robert R. Edelman, MD

1:40-2:00 p.m. – MRI of Non Ischemic Cardiomyopathies – E. Kent Yucel, MD, MD

2:00-2:20 p.m. – Cardiac MR: The Growing Role for Radiology – Arthur E. Stillman, MD, PhD

2:20-2:40 p.m. – Cardiovascular MRI: Impact of New Techniques and Technology –
Robert R. Edelman, MD

2:40-3:00 p.m. – Future Directions in Multi-slice CT – James A. Brink, MD

3:00 p.m. – 3:30 p.m. – Break and Q&A

Colonography Session

Moderator: Judy Yee, MD

3:30-3:50 p.m. – CT Colonography: Examination Prerequisites – Judy Yee, MD

3:50-4:10 p.m. – CTC: Reimbursement, Standards and Quality Metrics – Elizabeth G. McFarland, MD

4:10-4:30 p.m. – How to Accurately Interpret CTC – Christopher F. Beaulieu, MD, PhD

4:30-4:50 p.m. – CTC Clinical Case Review – Elizabeth G. McFarland, MD

4:50-5:10 p.m. – CTC: New Trials – Judy Yee, MD

5:10-5:30 p.m. – Use of CAD for CTC – Christopher F. Beaulieu, MD, PhD