Guide to BIDMC Radiology
Scientific Sessions, Courses & Exhibits

RSNA 2014
Radiological Society of North America
100th Scientific Assembly and Annual Meeting
Sunday, November 30th - Friday, December 5th, 2014
McCormick Place, Chicago, Illinois

Sunday, November 30, 2014

SSA22-05
10:45-12:15 PM
S104A
ISP: Radiation Oncology and Radiobiology (Lung Cancer)
Technical Success and Safety of Transbronchial versus Percutaneous Fiducial Placement for CyberKnife Radiotherapy of Lung Tumors. Deirdre E. Moran, Robert G. Sheiman, Olga R. Brook, Maryellen R. Sun, Anand Mahadevan, Bettina Siewert

SSA04-03
10:45-12:15 PM
S404CD
Chest (Lung Cancer Screening)
Trends in CT Screening for Lung Cancer at Leading Academic Medical Centers. Phillip M. Boiselle, Caroline Chiles, James G. Ravenel, Charles S. White

INE003-b
12:30-1:00 PM
Learning Center, Hall D
INS-SUA Informatics Sunday Poster Discussions
Improving Peer Review Compliance: A Novel Solution for Anonymous Review on PACS. Chun-Shan Yam, Bettina Siewert, Jonathan Yam, Jonathan B. Kruskal, Seth J. Berkowitz

HPS140
1:00-1:30 PM
Learning Center, Hall D
HPS-SUB Health Services Sunday Poster Discussions
Probable Benign Hepatic and Renal Extracolonic findings Drive Variability in Recommendations for Follow-up of between the National CT Colonography Screening Trial and a Consensus Panel. Hanna M. Zafar, Ilana F. Gareen, Jorean Sicks, Amy K. Hara, Bettina Siewert, William C. Black, Judy Yee

VSPD12
2:00-3:30 PM
S102AB
Pediatric Series: Pancreas: Fetal/Neonatal
Deborah Levine, Daniela Prayer - Moderators

RC101D
2:00-3:30 PM
S406B
Pulmonary Thromboembolism: Concepts and Controversies 2014
Optimizing CTPA: Radiation Dose Reduction - Diana Litmanovich

The Department of Radiology
19th Annual Alumni Cocktail Reception
Beth Israel Deaconess Medical Center
Dr. Jonathan Kruskal
&
The Department of Radiology request the honor of your presence
Tuesday, December 2nd, 2014
6:00 pm to 8:00 pm
University Club of Chicago
76 East Monroe Street
Business or business casual attire, no jeans
## Monday, December 1, 2014

<table>
<thead>
<tr>
<th>Session Code</th>
<th>Time</th>
<th>Location</th>
<th>Title</th>
<th>Moderators</th>
</tr>
</thead>
<tbody>
<tr>
<td>SSC04</td>
<td>10:30-12:00 PM</td>
<td>E353A</td>
<td>Gastrointestinal (Pancreas Cancer)</td>
<td>Desiree E Morgan, <strong>Koenraad J Mortele</strong>, moderators</td>
</tr>
<tr>
<td>SSC08-07</td>
<td>10:30-12:00 PM</td>
<td>E450B</td>
<td>ISP: Musculoskeletal (Advanced Cartilage Imaging) Changes in Delayed Gadolinium-enhanced MRI of Cartilage (dGEMRIC) Indices and the Association with Cartilage Loss in the Tibiofibemoral Compartments over 1 Year: a 3.0T MRI Study.</td>
<td>Michel D. Crema, David J. Hunter, <strong>Deborah Burstein</strong>, Frank W. Roemer, Jose Roberto Silva, Ali Guermazi</td>
</tr>
<tr>
<td>CHS242</td>
<td>12:15-12:45 PM</td>
<td>Learning Center, Hall D</td>
<td>CHS-MOA Chest Monday Poster Discussions Lung Volume and Heterogeneity: CT Quantification of Lobar Contribution. Mario Silva, Stefan F. Nemec, Benedikt H. Heidinger, Mariaelena Occhipinti, Valérie Dufresne, Francesco Molinari, <strong>Alexander A. Bankier</strong></td>
<td></td>
</tr>
<tr>
<td>MIS125</td>
<td>12:15-12:45 PM</td>
<td>S503AB</td>
<td>MIS-MOA Molecular Imaging Monday Poster Discussions Characterization of Glycolytic Activity and Perfusion in a Renal Cell Carcinoma Mouse Model during Sunitinib Response and Resistance with Hyperpolarized 13-C-pyruvate MRI.</td>
<td><strong>Leo L. Tsai</strong>, <strong>Xiaoen Wang</strong>, Gopal Varma, Rupal Bhatt, <strong>David C. Alsop</strong>, Aaron K. Grant</td>
</tr>
<tr>
<td>MSCT21</td>
<td>1:30-3:00 PM</td>
<td>S100AB</td>
<td>Case-based Review of Thoracic Radiology (An interactive Session)</td>
<td><strong>Diana Litmanovich</strong> - Moderator</td>
</tr>
<tr>
<td>SSE15-01</td>
<td>3:00-4:00 PM</td>
<td>E451B</td>
<td>Musculoskeletal (Foot and Ankle) Imaging of Adult Flatfoot: Correlation of Radiographic Measurements with MRI.</td>
<td><strong>Yu-Ching Lin</strong>, Jennifer Ní Mhuircheartaigh, Joshua Lamb, <strong>Justin W. Kung</strong>, Corrie M. Yablon, Jim S. Wu</td>
</tr>
<tr>
<td>MSCT22</td>
<td>3:30-5:00 PM</td>
<td>S100AB</td>
<td>Case-based Review of Thoracic Radiology (An interactive Session)</td>
<td><strong>Diana Litmanovich</strong> - Moderator</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>Aortic and Pulmonary Arterial Disorders</td>
<td><strong>Diana Litmanovich</strong></td>
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</tbody>
</table>

## Tuesday, December 2, 2014

<table>
<thead>
<tr>
<th>Session Code</th>
<th>Time</th>
<th>Location</th>
<th>Title</th>
<th>Moderators</th>
</tr>
</thead>
<tbody>
<tr>
<td>VSCH31</td>
<td>8:30 AM -12:00 PM</td>
<td>S405AB</td>
<td>Chest Series: Pancreas: Thoracic CT and MR Imaging: State of the Art Quantitative CT for COPD - Alexander Bankier</td>
<td></td>
</tr>
<tr>
<td>HPS161</td>
<td>12:45-1:15 PM</td>
<td>Learning Center, Hall D</td>
<td>HPS-TUB Health Services Tuesday Poster Discussions 30-day Readmission Rate following Transjugular Intrahepatic Portosystemic Shunt (TIPS) Placement: A Single Center Experience.</td>
<td>Ammar Sarwar, Elliot Tapper, Douglas Grunwald, Salomao Faintuch, Raza Malik, Muneeb Ahmed</td>
</tr>
<tr>
<td>SSJ02</td>
<td>3:00-4:00 PM</td>
<td>E450A</td>
<td>ISP: Breast Imaging (CT/Contrast)</td>
<td><strong>John M. Lewin</strong>, Priscilla J. Slanetz, moderators</td>
</tr>
</tbody>
</table>
### Wednesday, December 3, 2014

**RC508B**  
8:30-10:00 AM  
**E450B**  
*Multimodality Imaging of the Acute Female Pelvis: US, CT and MRI (An Interactive Session)*  
US of Gynecological Emergencies - Dr. Robin B. Levenson

**VSI41-08**  
8:30-12:00 PM  
**E352**  
*Interventional Series: Non-Vascular Interventions*  
Change in Management as a Result of Culture Obtained during CT-Guided Drainage in Patients Who Receive Pre-Drainage Antibiotics. Kathryn L. McGillic, Ruvandhi Nathavitharan, Alexander Brook, Maryellen R. Sun, Bettina Siewert, Vassilios D. Raptopoulos, Robert A. Kane, Robert G. Sheiman, Olga R. Brook

**SSK01-01**  
10:30-12:00 PM  
**Hall D**  
*Breast Imaging (Tomosynthesis Screening)*  

**SSK05-06**  
10:30-12:00 PM  
**S404CD**  
*Neuroradiology (Advanced Neuroimaging of Alzheimer's Disease)*  

**SSK16-04**  
10:30-12:00 PM  
**N226**  
*InS-WEA Informatics Wednesday Poster Discussions*  
Interactive Web Application for Asynchronous Active Learning in Radiology. Seth J. Berkowitz, David A. Glazier, Jonathan B. Kruskal

**INE032-b**  
12:15-12:45 PM  
**Learning Center, Hall D**  
*INS-WEA Informatics Wednesday Poster Discussions*  
Interactive Web Application for Asynchronous Active Learning in Radiology. Seth J. Berkowitz, David A. Glazier, Jonathan B. Kruskal

**NRS434**  
12:15-12:45 PM  
**Learning Center, Hall D**  
*NRS-WEA Neuroradiology Wednesday Poster Discussions*  

**GIE271**  
12:45-1:15 PM  
**Learning Center, Hall D**  
*GIS-WEB Gastrointestinal Wednesday Poster Discussions*  
The Hepatoduodenal Ligament Revealed: Cross-Sectional Imaging Spectrum of Anatomical Variants, Diseases and Neoplasms. Daniel A. Souza, Amin S. Chaoui, Mark Knox, Deirdre E. Moran, Aleksandar Ivanovic, Koenraad J. Mortele

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### Wednesday, December 3, 2014 (cont’d)

**VSI041**  
1:30-5:00 PM  
**S405AB**  
*Interventional Oncology Series: Mechanisms Matter: Basic Science Every IO Should Know*  
S. Nahum Goldberg - Moderator

**VSI041-04**  
Combination Ablation with Nanodrugs: Free Radicals, Heat Shock Proteins, Hif-1a and Beyond - S. Nahum Goldberg

**VSI041-07**  
Systemic Implications of IO Therapies: Increased Tumorogenesis? - Muneeb Ahmed

**MSRP41**  
1:30-5:00 PM  
**E451B**  
*RSNA Resident and Fellow Symposium (An Interactive Session)*  
Why I Joined an Academic Practice - Richard E Sharpe, Tejas S. Mehta

**MSRP41-04**  
Practice Experts Answer Your Questions - Tejas S. Mehta, Paul H. Ellenbogen

**SSM02-03**  
3:00-4:00 PM  
**E451A**  
*Breast Imaging (Biopsy Techniques)*  

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**Thursday, December 4, 2014**

**RC631**  
8:30-10:00 AM  
**S502AB**  
*Tumor Ablation beyond the Liver: Practical Techniques for Success (How-to Workshop)*  
Debra A Gervais, Terrence T Healey, Anil N Kurup, Muneeb Ahmed - Moderators

**RC601B**  
8:30-10:00 AM  
**E353C**  
*Chest Imaging: How Radiologic-Pathologic Correlation Informs Interpretation*  
Diseases of the Small Airways - Phillip M Boiselle

**VIS261**  
12:15-12:45 PM  
**Learning Center, Hall D**  
*VIS-THA Vascular/Interventional Thursday Poster Discussions*  

**QSE010-b**  
12:45-1:15 PM  
**Learning Center, Hall D**  
*QSE-THB Quality Storyboards Thursday Poster Discussions*  

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Names in Bold = BIDMC Radiology Faculty/Staff; Trainees

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Thursday, December 4, 2014 (cont’d)

<table>
<thead>
<tr>
<th>10:30-12:00 PM</th>
<th>SST16-04</th>
<th>US-guided Interventional Breast Procedures (Hands-on Workshop) Jocelyn A Rapelyea, Margaret M Szabunio, Liane E Philpotts, Shambhavi Venkataraman - Facult y</th>
</tr>
</thead>
<tbody>
<tr>
<td>SST10-09</td>
<td>SST01-09</td>
<td>Mitigation of Litigation (Sponsored by the RSNA Professionalism Committee) Expert Witness Testimony: Issues of Ethics, Equality, Qualifications etc for Being an Expert Witness - Ronald L Eisenberg</td>
</tr>
<tr>
<td>4:30-6:00 PM</td>
<td>RC752</td>
<td>US-guided Interventional Breast Procedures (Hands-on Workshop) Jocelyn A Rapelyea, Margaret M Szabunio, Liane E Philpotts, Shambhavi Venkataraman, Angelique C Flerke, Rachel F Brem, Karen S Johnson, Nicole S Lewis - Facult y</td>
</tr>
</tbody>
</table>

**Friday, December 5, 2014**

<table>
<thead>
<tr>
<th>8:30-10:00 AM</th>
<th>RC809C</th>
<th>Pitfalls in Abdominal Imaging Refresher Course Pitfalls in Hepatic Doppler Sonography - Jonathan B. Kruskal</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:30-12:00 PM</td>
<td>SST10-02</td>
<td>Breast Imaging (Multi-Modality Imaging) Does Breast Arterial Calcifications on Mammography Predict Elevated Risk of Developing Symptomatic Coronary Artery Disease? Tamuna Ch adamshvili, Priscilla J S lanetz, Diana Litmanovich, Ferris M Hall</td>
</tr>
<tr>
<td>10:30-12:00 PM</td>
<td>SST16-04</td>
<td>Neuroradiology (Advances in Neuro CT Imaging) Performance of Integrated Circuit Detectors in Head CT: Objective and Subjective Image Quality in Comparison to Conventional Detector Design. Harald Brod oefel, Andreas Korn, Benjamin Bender, Rafeeqe a A. Bhadela, Peter Heiss, Ulrike Emernann</td>
</tr>
<tr>
<td>10:30-12:00 PM</td>
<td>SST02-22</td>
<td>Vascular/Interventional (IR: GI and Hepatobiliary Interventions) Primary Hepatic Arterial Stenting in Patients after Liver Transplantation: 1 Year Patency Rates and Long Term Clinical Outcomes. Ammar Sarwar, Ian M Brennan, Olga R Brook, Felipe B Col lares, Salomao Fauintch, Barry A Sacks, Muneeb Ahmed</td>
</tr>
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</table>

**Poster Exhibits with Discussions**

- **INE003-b**
  - 12:30-1:00 PM
  - Learning Center, Hall D
  - Improving Peer Review Compliance: A Novel Solution for Anonymous Review on PACS. Chun-Shan Yam, Bettina Siewert, Jonathan Yam, Jonath an B. Kruskal, Seth J. Berkowitz

- **HPS140**
  - 1:00-1:30 PM
  - Sun 11/30
  - Learning Center, Hall D
  - Probable Benign Hepatic and Renal Extracolonic findings Drive Variability in Recommendations for Follow-up of between the National CT Colonography Screening Trial and a Consensus Panel. Hanna M. Zafar, Ilana F. Gareen, J orenk S, Amy K. Har, Bettina Siewert, William C. Black, Judy Yee

- **CHS242**
  - 12:15-12:45 PM
  - Mon 12/01
  - Learning Center, Hall D
  - Lung Volume and Heterogeneity: CT Quantification of Lobar Contribution. Mario Silva, Stef an F. Nemec, Benedikt H. Heidinger, Maria Elena Ochci pinti, Valerie Dufresne, Francesco Molinari, Alexander A. Bankier

- **MIS125**
  - 12:15-12:45 PM
  - Mon 12/01
  - S503AB
  - MIS-MOA Molecular Imaging Monday Poster Discussions Characterization of Glycolytic Activity and Perfusion in a Renal Cell Carcinoma Mouse Model during Sunitinib Response and Resistance with Hyperpolarized 13-C-pyruvate MRI. Leo L. Tsai, Xiaoen Wang, Gopal V arma, Rupal Bhatt, David C. Alsop, Aaron K. Grant

- **HPS161**
  - 12:45-1:15 PM
  - Tues 12/02
  - Learning Center, Hall D

- **INE032-b**
  - 12:15-12:45 PM
  - Wed 12/03
  - Learning Center, Hall D
  - Interactive Web Application for Asynchronous Active Learning in Radiology. Seth J. Berkowitz, David A. Glazier, Jonathan B. Kruskal

- **NRS434**
  - 12:15-12:45 PM
  - Wed 12/03
  - Learning Center, Hall D

- **GI271**
  - 12:45-1:15 PM
  - Wed 12/03
  - Learning Center, Hall D
  - The Hepatoduodenal Ligament Revealed: Cross-Sectional Imaging Spectrum of Anatomical Variants, Diseases and Neoplasms. Daniel A. Souza, Amin S. Chaoui, Mark Knox, Deirdre E. Moran, Aleksandar Ivanovic, Koenraad J. Mortele

**Names in Bold = BIDMC Radiology Faculty/Staff; Trainees**
**Poster Exhibits with Discussions**

**VIS261**  
12:15-12:45 PM  
Thurs 12/03  
Learning Center, Hall D

**VIS-THA Vascular/Interventional Thursday Poster Discussions**

Clinical Outcomes in Primary Hyperaldosteronism Treatment: Radiofrequency Ablation vs. Adrenalectomy vs. Medical Therapy.  
Ammar Sarwar, Ari C. Sacks, Olga R. Brook, Erica A. Gupta, Nahum Goldberg, Barry A. Sacks, Muneeb Ahmed, Salomao Faintuch

**QSE010-b**  
12:45-1:15 PM  
Thurs 12/03  
Learning Center, Hall D

**QSE-THB Quality Storyboards Thursday Poster Discussions**

Incorporating Consensus-Oriented Contemporaneous Peer-Review into a Breast Imaging Practice.  

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**Education Exhibits - Lakeside Learning Center**

(Alphabetical by 1st author)  
Sun 8:00 am - 6:00 pm  
Mon-Thu 7:00 am - 10 pm  
Fri 7:00 am - 12:45 pm

**BRE136**  
Optimizing Digital Mammographic Image Quality: Common Artifacts Encountered During the QC Process [E poster]  
Rashmi Jayadevan, M. Julie Armada, Rola M. Shaheen, Constance Mulcahy, Priscilla J. Slanetz

**CHE186**  
Imaging the Central Airways Gently and Wisely by Using MRI.  
Pierluigi Ciet, Diana Litmanovich, Phillip M. Boiselle, Edward Y. Lee, Piotr A. Wielopolski, Harm A. Tiddens

**EDE001-b**  
Breast Case of the Day.  
Susan O. Holley, Michelle V. Lee, E. Jane Karimova, Matthew S. Clower, Rachel U. Loomans, Hillary L. Shaw, Catherine M. Appleton

**ERE100**  
Acute Pancreatitis: Imaging Indications and Potential Complications.  
Jason DiPoce, Yehuda Malul, Nadia Caplan, Harold Jacob

**ERE130**  
Getting to the Heart of the Matter: Cardiac Findings on Non-Gated Chest CTA in the ED.  
D. Amanda Rigas, Robin B. Levenson, Karen S. Lee

**HPE125**  
Focused Professional Practice Evaluation (FPPE) of Radiologists - A CMS and Joint Commission Requirement.  
Jonathan B. Kruskal

**HPE134**  
The Anatomy and Essential Components for a Successful Practice Quality Improvement Project.  
Jonathan B. Kruskal, David B. Larson

**MKE169**  
Foot for Thought: Metatarsalgia Imaging and Intervention.  
Heba Almutairi, Almamoon I. Justaniab, Robert J. French, Dmitry Elentuck

**MSE142**  
It’s Alive!! How to Use a Simple Tissue Phantom to Teach Liver Biopsy, Abscess Drainage and Percutaneous Cholecystostomy Procedures.  
Maryellen R. Sun, Bettina Siewert, Hannah Perry

**NRE120**  
The Fascinating Art and Science of Myelography: From Bygone to Modern Era.  
Nagamani Peri, Rafael Rojas, Steve Reddy

**Certifi cate of Merit Magna Cum Laude**

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**BIDMC at RSNA 2014**

Bettina Siewert - Chair, General RadioGraphics  
Muneeb Ahmed (General RG)  
Ferris Hall (General RG)  
Maryellen Sun - (General RG)  
Diana E. Litmanovich (Cardiovascular)  
Robin Levenson (Emergency Rad)  
Mary G. Hochman (MSK)  
Jim S. Wu (MSK)  
Gul Moonis (Neuro)

Jonathan Kruskal - Chair, Quality Initiatives  
Olga Brook (QI, also RSNA Quality Improvement Committee)  
Ronald Eisenberg (QI)  
Justin Kung (QI)  
Tejas Mehta (QI)  
Ammar Sarwar, Trainee Member (QI)  
Jacob Sosna (QI)

Salomao Faintuch, MD -  
Chairman, Editorial Board - RSNA Daily Bulletin  
Member - RSNA Publications Council  
Member - RSNA Public Information Committee

Congratulations to Cardiothoracic Imaging Section Chief Alexander Bankier, MD PhD for earning a 2014 RSNA Honored Educator Award. Established in 2011, the RSNA Honored Educator Award recognizes RSNA members who have produced an array of RSNA educational resources in the past calendar year and serves as a benchmark of academic productivity in support of a meaningful and successful radiology career. This award is doubly significant for Alex as he also received this award in 2013!

Names in Bold = BIDMC Radiology Faculty/Staff;  Trainees

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**HPE134**  
The Anatomy and Essential Components for a Successful Practice Quality Improvement Project.  
Jonathan B. Kruskal, David B. Larson

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**NRE333**  
NR Community, Learning Center  
A “Window” into Temporal Bone Pathology: Imaging of the Normal Anatomy and Pathology of the Oval and Round Windows of the Temporal Bone. Behroze Vachha, Azita S Khorsandi, Gul Moonis

**NRE385**  
NR Community, Learning Center  
Neda I Sedora-Roman, Sachin Pandey, Ajith Thomas, Gul Moonis