

ISCT

International Society for  
Computed Tomography

PRESENTS THE 2017

# TrifeCTa

SYMPOSIUM ON COMPUTED TOMOGRAPHY

three tracks • four days • unlimited opportunities

June 4-7 | Hyatt Regency San Francisco

# understanding THE TRACKS

## TRACK 1:

### *Cutting Edge Mini-Symposia*

Advanced and cutting edge topics pertaining to CT technology and practice. Controversies will be debated and the audience engaged through online polling questions. Expert panel and audience-involved discussions provide context for the topics and voicing of diverging opinions.

## TRACK 2:

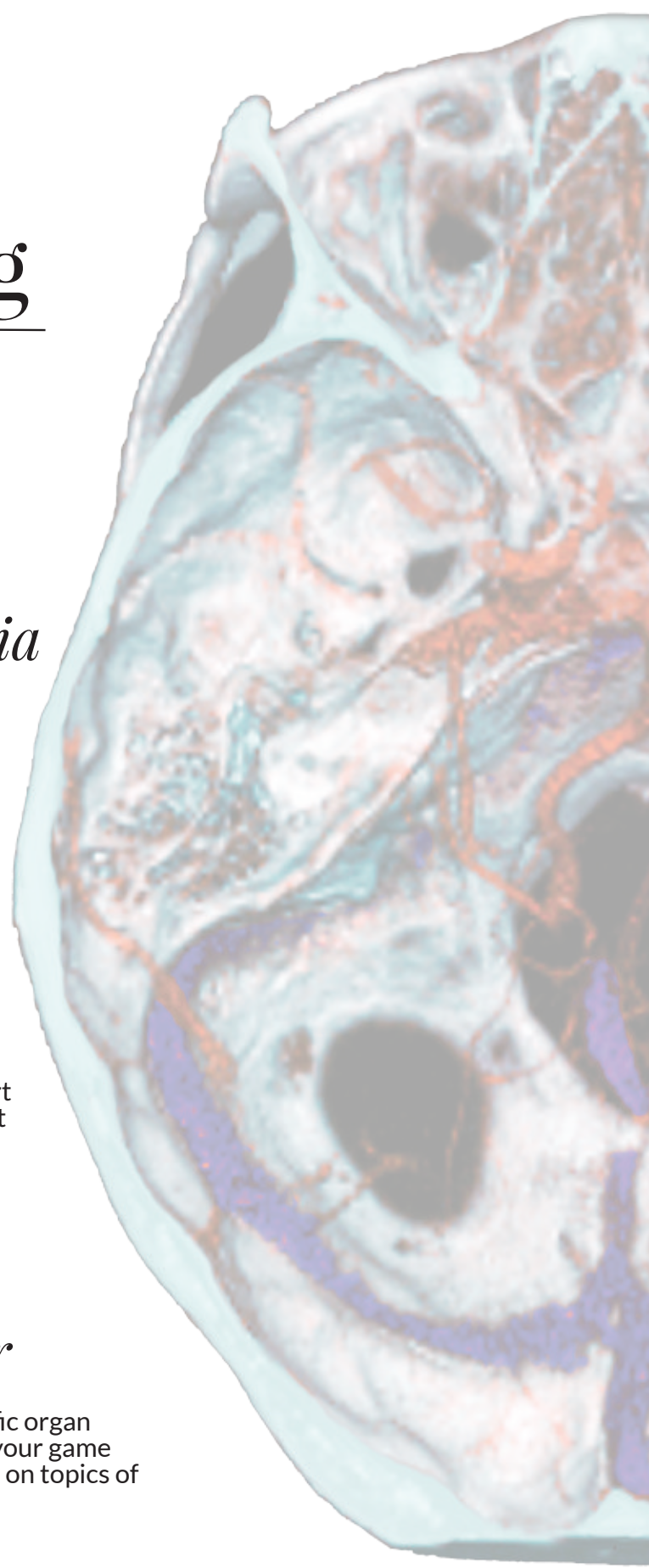
### *CT Academy*

Recording sessions for a Live CT Manual, covering the fundamental topics on CT technologies, techniques, and protocols. These are the nuts and bolts and practical expert tips to maximize quality, save dose, and get the images that you need. Sessions extend to image processing techniques and service management. Opportunity for audience Q&A every hour.

## TRACK 3:

### *Read Out With the Professor*

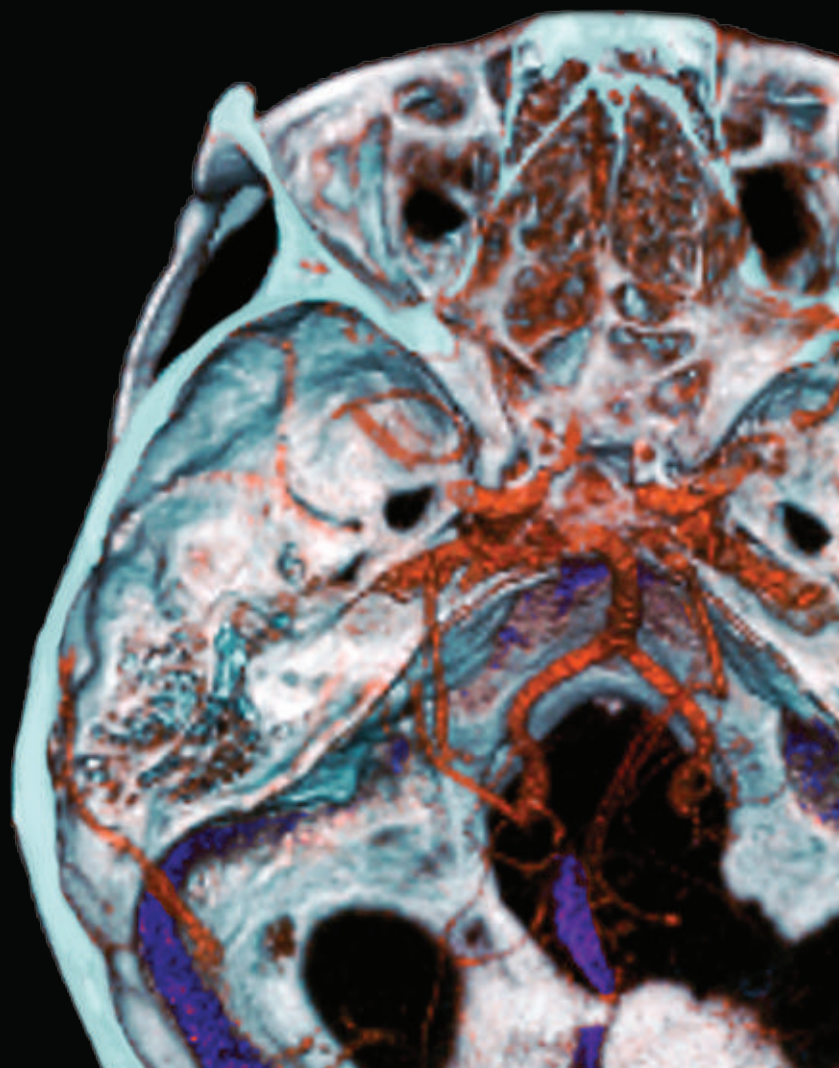
Thirty-minute case-based sessions organized around specific organ systems and diseases. Presented by expert clinicians to up your game when interpreting CT scans. Clinically relevant and focused on topics of fundamental importance.



**insider**  
**TIP**

Attendees can mix and match sessions from as many tracks as they want. That being said, we know **you can't be in all 3 places at once**. The entire meeting will be recorded and made available to all registered attendees.

program  
AT A GLANCE





Cutting Edge  
 Mini - Symposia

CT Academy

Readout With  
 The Professor

Posters

SATURDAY | JUNE 3RD

7am  
 8am  
 9am  
 10am  
 11am  
 12pm  
 1pm  
 2pm  
 3pm  
 4pm  
 5pm

Multi Energy Workshop

SUNDAY | JUNE 4TH

7am  
 8am  
 9am  
 10am  
 11am  
 12pm  
 1pm  
 2pm  
 3pm  
 4pm  
 5pm

High Impact CT: Outcomes  
 & Value Creation

Contrast Materials

Hot Topics in Multi-Energy CT

Translating Technical  
 Knowledge Into Quality Care

Translating Technical  
 Knowledge Into Quality Care

Pediatric Cases

Abdominal Cases

Posters

MONDAY | JUNE 5TH

7am  
 8am  
 9am  
 10am  
 11am  
 12pm  
 1pm  
 2pm  
 3pm  
 4pm  
 5pm

CT in 2017: What's New?  
 What's Trending?

Poster Lunch

Hot Topics In Cardiac CT

CT Technologists' Best  
 Practices

Poster Lunch

Manufacturer-Specific  
 Training Sessions

Neuro Cases

Poster Lunch

Abdominal Cases

Posters

TUESDAY | JUNE 6TH

7am  
 8am  
 9am  
 10am  
 11am  
 12pm  
 1pm  
 2pm  
 3pm  
 4pm  
 5pm

Machine Learning &  
 Imaging Informatics

New Ways To Manage Radiation

Cases I'd Like To Do Over

Advanced Image Processing &  
 Quantification Of CT Data

Trauma & Emergency  
 Radiology Cases

Cardiovascular Cases

Posters

WEDNESDAY | JUNE 7TH

7am  
 8am  
 9am  
 10am  
 11am  
 12pm  
 1pm  
 2pm  
 3pm  
 4pm  
 5pm

Understanding and Maximizing  
 CT's Internal Value Chain

Interventional  
 Hot Topics In  
 Lung Nodules & Cancer

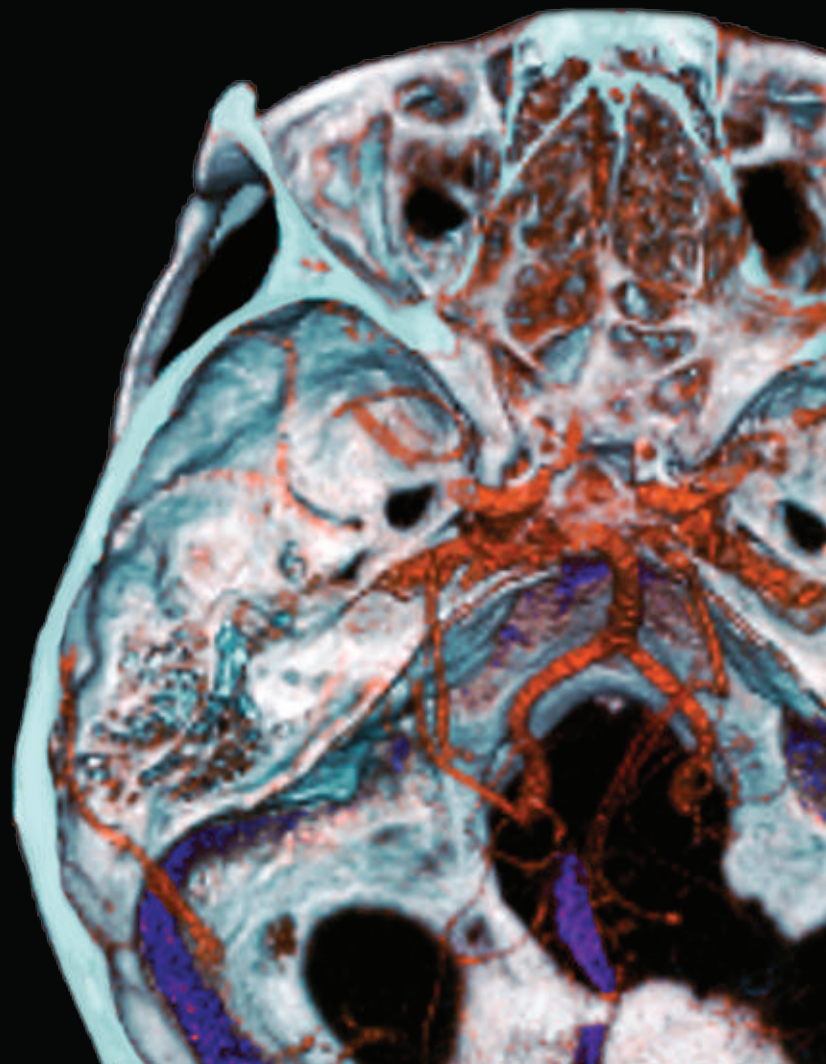
Managing the CT Operation

Chest Cases

Posters

# pre-symposium WORKSHOP

\*separate registration required\*



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## FULL PROGRAM | Saturday, June 3rd

### Pre-Symposium Workshop

 Multi-Energy CT  
 Moderator | Dushyant Sahani

8:00		8:00
8:05	<i>Introduction</i>	8:05
8:10	<b>MECT Image Processing &amp; Workflow • Moderator   Dushyant Sahani</b>	8:10
8:15	<i>Single Source MECT</i>	8:15
8:20	Benjamin Yeh	8:20
8:25		8:25
8:30	<i>Dual-Source MECT</i>	8:30
8:35	Savvas Nicolaou	8:35
8:40		8:40
8:45	<i>Detector Based MECT</i>	8:45
8:50	Lakshmi Ananthakrishnan	8:50
8:55		8:55
9:00	<i>Using Wide Detectors</i>	9:00
9:05	Patrik Rogalla	9:05
9:10		9:10
9:15	<i>Photoncounting Detectors</i>	9:15
9:20	Cynthia McCollough	9:20
9:25		9:25
9:30	<i>Multi-Energy CT Practice, Technologists Perspective</i>	9:30
9:35	Cristy Savage	9:35
9:40		9:40
9:45	<i>Q&amp;A</i>	9:45
9:50		9:50
9:55	<i>Break</i>	9:55
10:00		10:00
10:05	<b>DECT Body • Moderator   Benjamin Yeh</b>	10:05
10:10	<i>Material Separation</i>	10:10
10:15	Aaron Sodickson	10:15
10:20		10:20
10:25	<i>Quantitation (HU &amp; Iodine)</i>	10:25
10:30	Benjamin Yeh	10:30
10:35		10:35
10:40	<i>Oral &amp; IV Contrast Media Considerations</i>	10:40
10:45	Dushyant Sahani	10:45
10:50		10:50
10:55	<i>MECT Utilization &amp; Protocols</i>	10:55
11:00	Bhavik Patel	11:00
11:05		11:05
11:10	<i>Liver &amp; Bile Ducts</i>	11:10
11:15	Lakshmi Ananthakrishnan	11:15
11:20		11:20
11:25	<i>Pancreas Masses &amp; Pancreatitis</i>	11:25
11:30	Dushyant Sahani	11:30
11:35		11:35
11:40	<b>Moderator   Julia Fielding</b>	11:40
11:45	<i>Renal Stones &amp; Masses</i>	11:45
11:50	Bhavik Patel	11:50
11:55		11:55
12:00	<i>Body: GI Tract Pathologies</i>	12:00
12:05	Benjamin Yeh	12:05
12:10		12:10
12:15	<i>Q&amp;A</i>	12:15

### Pre-Symposium Workshop

 Multi-Energy CT  
 Moderator | Dushyant Sahani

8:00		8:00	12:15
8:05		8:05	12:30
8:10		8:10	12:45
8:15		8:15	13:00
8:20		8:20	13:05
8:25		8:25	13:10
8:30		8:30	13:15
8:35		8:35	13:20
8:40		8:40	13:25
8:45		8:45	13:30
8:50		8:50	13:35
8:55		8:55	13:40
9:00		9:00	13:45
9:05		9:05	13:50
9:10		9:10	13:55
9:15		9:15	14:00
9:20		9:20	14:05
9:25		9:25	14:10
9:30		9:30	14:15
9:35		9:35	14:20
9:40		9:40	14:25
9:45		9:45	14:30
9:50		9:50	14:35
9:55		9:55	14:40
10:00		10:00	14:45
10:05		10:05	14:50
10:10		10:10	14:55
10:15		10:15	15:00
10:20		10:20	15:05
10:25		10:25	15:10
10:30		10:30	15:15
10:35		10:35	15:20
10:40		10:40	15:25
10:45		10:45	15:30
10:50		10:50	15:35
10:55		10:55	15:40
11:00		11:00	15:45
11:05		11:05	15:50
11:10		11:10	15:55
11:15		11:15	16:00
11:20		11:20	16:05
11:25		11:25	16:10
11:30		11:30	16:15
11:35		11:35	16:20
11:40		11:40	16:25
11:45		11:45	16:30
11:50		11:50	16:35
11:55		11:55	16:40
12:00		12:00	16:45
12:05		12:05	16:50
12:10		12:10	16:55
12:15		12:15	17:00

### Pre-Symposium Workshop

 Multi-Energy CT  
 Moderator | Dushyant Sahani

12:15		12:15
12:30		12:30
12:45		12:45
13:00	<i>Lunch</i>	13:00
13:05		13:05
13:10		13:10
13:15		13:15
13:20	<b>MSK, ED &amp; Pediatrics • Moderator   Savvas Nicolaou</b>	13:20
13:25	<i>Strategies For Metal Artifacts Reducation</i>	13:25
13:30	Olga Brook	13:30
13:35		13:35
13:40	<i>MSK: Cartilage/Ligaments/Bone</i>	13:40
13:45	Katrina Glazebrook	13:45
13:50		13:50
13:55	<i>Gout</i>	13:55
14:00	Savvas Nicolaou	14:00
14:05		14:05
14:10	<i>Skull Base &amp; Neck Masses</i>	14:10
14:15	Reza Forghani	14:15
14:20		14:20
14:25	<i>Do We Need MECT In The ER?</i>	14:25
14:30	Aaron Sodickson	14:30
14:35		14:35
14:40	<i>Is There A Role For MECT In Pediatrics?</i>	14:40
14:45	Dianna Bardo	14:45
14:50		14:50
14:55	<i>Q&amp;A</i>	14:55
15:00		15:00
15:05	<i>Break</i>	15:05
15:10		15:10
15:15		15:15
15:20	<b>MECT Vascular • Moderator   Aaron Sodickson</b>	15:20
15:25	<i>Neuro Applications of MECT</i>	15:25
15:30	Aaron Sodickson	15:30
15:35		15:35
15:40	<i>Pulmonary Vascular-PE</i>	15:40
15:45	Tim Leiner	15:45
15:50		15:50
15:55	<i>MECT Of Abdominal &amp; Pelvic Trauma</i>	15:55
16:00	Aaron Sodickson	16:00
16:05		16:05
16:10	<i>Cardiac CTA &amp; Perfusion</i>	16:10
16:15	Joseph Schoepf	16:15
16:20		16:20
16:25	<i>Solutions For Lowering Iodine Dose For Abdomen CTA</i>	16:25
16:30	William Shuman	16:30
16:35		16:35
16:40	<i>Panel Discussion: How To Start A MECT Practice</i>	16:40
16:45	Savvas Nicolaou, William Shuman, Tim Leiner	16:45
16:50	Bhavik Patel, Cristy Savage, Katrina Glazebrook	16:50
16:55		16:55
17:00		17:00

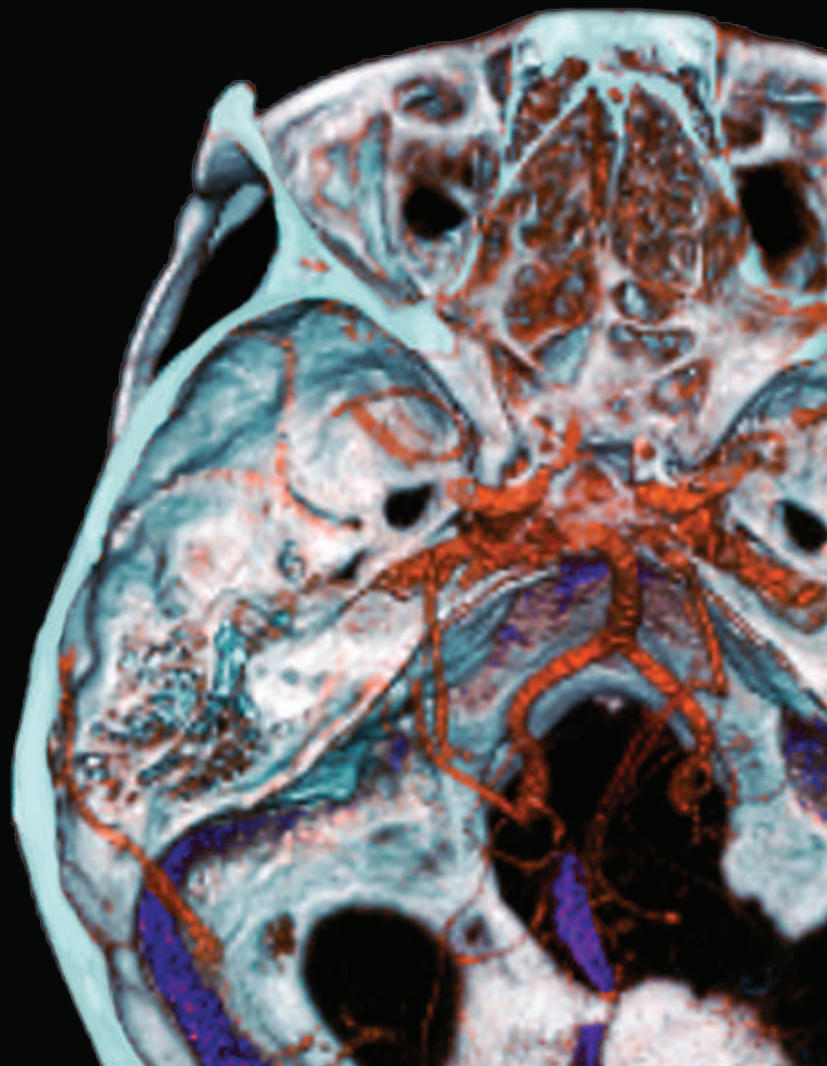
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sessions  

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BY DAY





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## FULL PROGRAM | Sunday, June 4th

	<b>Cutting Edge Mini-Symposia</b> High Impact CT: Outcomes & Value Creation Moderators   Pari Pandharipande & Geoffrey Rubin	<b>CT Academy</b> Translating Technical Knowledge Into Quality Care Moderators   Cynthia McCollough & Timothy Szczykutowicz	<b>Readout With The Professor</b>
8:00			
8:05	<i>Value Defined</i> Geoffrey Rubin	CT Dosimetry & Dose Management • Cynthia McCollough CTDI, DLP & SSDE James Kofler	
8:10			
8:15	<i>Why Measure &amp; Document Value</i> Pari Pandharipande		
8:20	<i>Defining Quality In The CT Value Equation</i> Benjamin Harvey	<i>Dose Tracking &amp; Diagnostic Reference Levels</i> Dianna Cody	
8:25			
8:30	<i>Defining Costs In The CT Value Equation</i> Geoffrey Rubin		
8:35		<i>Dose Notifications &amp; Alerts</i> Timothy Szczykutowicz	
8:40	<i>Evidence Base In CT: What's Missing?</i> Martin Gunn		
8:45			
8:50	<i>CT Outcomes: Physician Decision Making In The ED</i> Pari Pandharipande	<i>Discussion</i>	
8:55			
9:00	<i>CT Outcomes: Physician Decision Making In Primary Care</i> Pari Pandharipande	<i>Size &amp; Task Adaption • Moderator   Cynthia McCollough</i> <i>Automatic Exposure Control</i> Dianna Cody	
9:05			
9:10	<i>Waste &amp; Overutilization: Is It A Problem? If So, How Big?</i> Martin Gunn	<i>Automatic Tube Potential Selection</i> Cynthia McCollough	
9:15			
9:20	<i>Debate: Funding The Evidence - Who Should Be Responsible?</i> Judy Yee vs. Pari Pandharipande	<i>Adaption For Different Diagnostic Tasks</i> Timothy Szczykutowicz	
9:25			
9:30			
9:35			
9:40			
9:45	<i>Discussion</i>	<i>Discussion</i>	
9:50			
9:55			
10:00			
10:05			
10:10	<i>Break</i>	<i>Break</i>	
10:15			
10:20	<i>Research To Practice: Translating Comparative Effectiveness</i> Benjamin Harvey	<i>Dual Energy • Moderator   Timothy Szczykutowicz</i> <i>Dual-Energy CT Acquisition Approaches</i> Cynthia McCollough	
10:25			
10:30	<i>Evidence Based Decisions: Compliance &amp; Override</i> Martin Gunn	<i>Dual-Energy CT Image Types</i> Cynthia McCollough	
10:35			
10:40	<i>The Role Of Value In Care Bundle Design</i> Benjamin Harvey	<i>Discussion</i>	
10:45			
10:50	<i>Progress In CT: An Overview</i> Joseph Schoepf		
10:55			
11:00	<i>Investing In CT: The Choices</i> Geoffrey Rubin	<i>Important Protocol Parameters &amp; Their Impact • Moderator   Timothy Szczykutowicz</i> <i>Acquisition Parameters &amp; Their Impact</i> Dianna Cody	
11:05			
11:10	<i>Valuing New CT Technology</i> Geoffrey Rubin	<i>Reconstruction Parameters &amp; Their Impact</i> James Kofler	
11:15			
11:20	<i>Debate: New CT Technologies: Hype Or High Value?</i> Dushyant Sahani vs. Joseph Schoepf	<i>Patient Positioning &amp; It's Impact On Dose &amp; CT Number Accuracy</i> Timothy Szczykutowicz	
11:25			
11:30			
11:35			
11:40			
11:45	<i>Discussion</i>	<i>Discussion</i>	
11:50			
11:55			
12:00			
12:30	<i>Lunch</i>	<i>Lunch</i>	<i>Lunch</i>
13:00			
13:30	<b>Contrast Materials</b> <b>Moderator   Matthew Davenport</b> <i>Debate: For Or Against Serum Creatinine Screening Being Relevant For Iodinated Contrast</i> William Shuman vs. Olga Brook	<i>Protocol Optimization &amp; Management • Moderator   Cynthia McCollough</i> <i>Essential Elements Of A Quality Protocol</i> Timothy Szczykutowicz	<b>Pediatric Cases</b> <b>Moderator   Dianna Bardo</b> <i>CT Of Pediatric Abdomen</i> Bruce Greenberg
13:35			
13:40	<i>Use Of Multi-Energy CT &amp; Low KV Imaging To Minimize Iodinated Contrast Dose</i> Bhavik Patel	<i>Protocol Review Best Practices</i> James Kofler	
13:45			
13:50	<i>The Business Case For Minimizing Injected Contrast Volume</i> Matthew Davenport	<i>The Protocol Team Review</i> Myron Pozniak	
13:55			
14:00	<i>Approaches To IV Contrast Media Delivery</i> Bhavik Patel	<i>Discussion</i>	<i>Pediatric: Neuro</i> Dianna Bardo
14:05			
14:10	<i>Evidence Base For The Use Of Oral Contrast In Cancer &amp; Abdominal Pain</i> Benjamin Yeh		
14:15			
14:20	<i>Joint Commission Rules On Multi-Dose Vials, Contrast Warming, Etc.</i> Olga Brook	<i>Special Acquisition Modes • Moderator   Cynthia McCollough</i> <i>Axial Wide-Coverage Acquisitions</i> Timothy Szczykutowicz	<i>Pediatric: Thoracic</i> Frاندics Chan
14:25			
14:30	<i>Evidence Base On Use Of Epinephrine By Radiologists</i> Matthew Davenport	<i>Flash Mode Acquisitions</i> Jia Wang	
14:35			
14:40	<i>Debate: For Or Against The Pre-medication Of High Risk Patients &amp; ED Patients Remaining Standard Of Care</i> Brook Olga vs. Matthew Davenport	<i>Axial &amp; Helical Shuttle Acquisitions</i> Jia Wang	<i>Third World Pediatric Cases From Haiti</i> Jeffrey Mendel
14:45			
14:50			
14:55			
15:00			
15:05	<i>Discussion</i>	<i>Discussion</i>	
15:10			
15:15			
15:20	<i>Break</i>	<i>Break</i>	<i>Break</i>
15:25			
15:30			
15:35			
15:40			
15:45			
15:50	<b>Hot Topics In Multi-Energy CT</b> <b>Moderator   Dushyant Sahani</b> <i>Evidence In Favor Of MECT For Pulmonary Vascular Imaging</i> Tim Leiner	<i>Iterative Reconstruction Technologies • Moderator   Timothy Szczykutowicz</i> <i>Principles Of Iterative Reconstruction &amp; Differences In Implementations</i> Dianna Cody	
15:55			
16:00	<i>Evidence For MECT In Liver Lesion Evaluation</i> Lakshmi Ananthakrishnan	<i>Effects Of Iterative Reconstruction On Image Quality &amp; Lesion Detection</i> James Kofler	<b>Abdominal Cases</b> <b>Moderator   Myron Pozniak</b> <i>Right Lower Quadrant Pain</i> Benjamin Yeh
16:05			
16:10	<i>Renal Mass Evaluation: Benefits &amp; Challenges With MECT</i> Aaron Sodickson	<i>Discussion</i>	
16:15			
16:20	<i>MECT Alternatives To MRI: Bone Edema &amp; Silicone Imaging</i> Katrina Glazebrook		
16:25			
16:30	<i>New Management Guidelines &amp; MECT IN Gout</i> Savvas Nicolaou	<i>Cardiovascular CT • Moderator   Timothy Szczykutowicz</i> <i>Prospective Triggering vs. Retrospective Cardiac Gating</i> Jia Wang	<i>Abdominal Wall Masses</i> Gabriela Gayer
16:35			
16:40	<i>Reduced Iodine Dose Aorto-Iliac CTA</i> Dushyant Sahani	<i>Dose Reduction Strategies In Cardiovascular CT</i> Jia Wang	
16:45			
16:50			
16:55	<i>Debate: Why Should My Practice Invest In MECT?</i> Savvas Nicolaou vs. William Shuman	<i>Timing Contrast Material Delivery For Reliable Arterial Opacification</i> Geoffrey Rubin	<i>Solid Organ Lymphoma</i> Patrik Rogalla
17:00			
17:05			
17:10			
17:15	<i>Discussion</i>	<i>Discussion</i>	
17:20			
17:25			
17:30			

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## FULL PROGRAM | Monday, June 5th

Cutting Edge Mini-Symposia		CT Academy		Readout With The Professor	
CT In 2017: What's New? What's Trending? Moderators   Cynthia McCollough & Geoffrey Rubin		CT Technologists' Best Practices Moderators   Lior Molvin & Cristy Savage Dose Modulation Systems		Neuro Cases Moderator   Michael Lev	
8:00	Mobile CT Michael Lev		Dose Modulation Systems (GE) Lior Molvin		
8:05					
8:10	Point Of Care Cone Beam CT Systems Norbert Pelc		Dose Modulation Systems (Siemens) Nikki Weber		SECT & DECT Of Hemorrhage Benjamin H. Harvey
8:15					
8:20	High-End Features In Low To Mid-Range Scanners Mathias Prokop		Dose Modulation Systems (Philips) Robyn Augustyn		
8:25					
8:30	Photon Counting CT: What Is It And What Can It Do? Cynthia McCollough		Dose Modulation Systems (Toshiba) Andrea Ferrero		Head & Neck Cases In HIV From Around The World Bhavya Rehani
8:35					
8:40	Ultra-High Resolution Imaging: Where Are We At? Mathias Prokop		Discussion		
8:45					
8:50	Improved Outcomes Using Metal Artifact Correction Software Charles White		Special Protocols: Cardiac • Moderator   Cristy Savage Cardiac Data Acquisition Lior Molvin		Challenging ED Cases Jeffrey Mendel
8:55					
9:00	Low Dose Whole Body CT To Replace Radiographic Bone Surveys Katrina Glazebrook		Cardiac Exam Recovery Lior Molvin		
9:05					
9:10	Automatic Exposure Control In One-Beat Cardiac Volume Acquisitions TBA		Cardiac Data Processing Shannon Walters		How To Read A Head CT Michael Lev
9:15					
9:20	Debate: Will Cone Beam CT Image Quality Approach That Of Conventional CT & Continue To Erode Referral Base? Willi Kalender vs. Katrina Glazebrook		Discussion		
9:25					
9:30					
9:35					
9:40					
9:45	Discussion				
9:50					
9:55					
10:00					
10:05	Break		Break		Break
10:10					
10:15					
10:20	The Value Potential Of Always On Multi-Energy Imaging Tim Leiner		Contrast Media • Moderator   Lior Molvin Fundamental Principles, Safety Profiles & Dosing Decisions Matthew Davenport		
10:25					
10:30	Novel Workflows For The Busy CT Technologist KT Stockton		Specialty Situations Matthew Davenport		CT/CTA/CTP For Acute Stroke Triage Max Wintermark
10:35					
10:40	Intuitive Workflows In MECT Tim Leiner		Discussion		
10:45					
10:50	Advanced Volume Rendering For Lifelike Image Presentation Elliot Fishman		Special Protocols: Trauma & Pediatrics • Moderator   Cristy Savage Trauma Data Acquisition Cristy Savage		Head & Neck, Skull Base Reza Forghani
10:55					
11:00	Texture Analysis & Morphological Biomarkers In CT Ronald Summer		Trauma Data Transfer/Processing KT Stockton		
11:05					
11:10	Use Of 3D Printing For Treatment Planning & Patient Education Elliot Fishman		Pediatric Exam Parameters & Discussion Robyn Augustyn		How To Read A Head & Neck CTA Michael Lev
11:15					
11:20	Debate: Spatial Resolution - Have We Reached A Practical Limit? Norbert Pelc vs. Mathias Prokop				
11:25					
11:30					
11:35					
11:40					
11:45	Discussion				
11:50					
11:55					
12:00					
12:30	Lunch		Lunch		Lunch
13:00					
13:30	Hot Topics In Cardiac CT Moderator   Koen Nieman Clinical Interpretation Of Coronary CT Angiography: What Drives Management? Koen Nieman		Manufacturer-Specific Training Sessions Moderators   Lior Molvin & Cristy Savage Dual Energy 101: Principles, Method & Dose Juan Carlos Ramirez		Abdominal Cases Moderator   Myron Pozniak Genitourinary Matthew Davenport
13:35					
13:40	Update On Cardiac CT Acquisition Guidelines Joseph Schoepf				
13:45					
13:50	Evolving Considerations For The Diagnosis & Management Of Coronary Artery Anomalies Tessa Cook		Dual Energy 101: Implementation Into Routine Practice Aaron Sodickson		Small Bowel & Retroperitoneum Lakshmi Ananthakrishnan
13:55					
14:00	Contrast & Radiation Use In Contemporary Cardiac CT Joseph Schoepf		Dual Source Dual Energy Workflow: How To Set Up Protocols For Direct Transfer To PACS Cristy Savage		
14:05					
14:10	Triage Of Acute Chest Pain Koen Nieman		Twin Beam Dual Energy Workflow: How To Set Up Protocols For Direct Transfer To PACS Emilio Vega		Focal Liver Lesions Bhavik Patel
14:15					
14:20	First Pass Myocardial Perfusion: Should It Be Considered For Routine Practice Koen Nieman		Dual Energy Interpretation & Review: Maximizing The Opportunities Savvas Nicolaou		Pancreatic Tumors & Inflammation Joel Fletcher
14:25					
14:30	Clinical Implementation Of CT-FFR Jonathan Liepsic		Discussion		
14:35					
14:40	Update On Reporting Guidelines: CAD-RADS Geoffrey Rubin		Break		
14:45					
14:50	Debate: Is Coronary CT Angiography Under-used Or Over-used For Stable Coronary Disease? Tim Leiner vs. Jonathan Liepsic		Bracco Session On CT Colonography Moderator   Judy Yee Patient Pre-requisites For CT Colonography: Colonic Cleansing & Bowel Distension Joel Fletcher		Break
14:55					
15:00					
15:05					
15:10					
15:15					
15:20	Discussion		CT Colonography Acquisition Protocol: Balancing Dose & Image Quality Patrik Rogalla		Abdominal Vascular Myron Pozniak
15:25					
15:30					
15:35	Break		Time Efficient Interpretation Of CT Colonography Stefanie Weinstein		
15:40					
15:45					
15:50	CT As A Gatekeeper To The Cath Lab (Conserve) Koen Nieman		Reimbursement For CT Colonography: 2017 US Update Judy Yee		
15:55					
16:00	Role Of Calcium Scoring In The Asymptomatic Patient Maros Ferencik		Discussion		Biliary Olga Brook
16:05					
16:10	An Update On TAVR Guidance Jonathan Liepsic				
16:15					
16:20	Complications In Circulatory Support Systems Lynne Koweek				
16:25					
16:30	Prosthetic Valve Issues Lynne Koweek				
16:35					
16:40	Plaque Quantification: Will There Be Clinical Impact? Maros Ferencik				
16:45					
16:50	Debate: Is CT-FFR Or CT Perfusion Imaging The Way Forward? Koen Nieman vs. Joseph Schoepf				
16:55					
17:00					
17:05					
17:10					
17:15					
17:20	Discussion				Gynecological Julia Felding
17:25					
17:30					

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## FULL PROGRAM | Tuesday, June 6th

	<b>Cutting Edge Mini-Symposia</b>	<b>CT Academy</b>	<b>Readout With The Professor</b>	
	<b>Machine Learning &amp; Imaging Informatics</b> Moderator   Arun Krishnaraj	<b>Cases I'd Like To Do Over</b> Moderators   Lior Molvin & Cristy Savage	<b>Trauma &amp; Emergency Radiology Cases</b> Moderator   Aaron Sodickson	
8:00	<i>Artificial Intelligence &amp; Imaging</i> Jose Morey	<b>What Happened &amp; What I'd Do Differently (Phillips)</b> Robyn Augustyn & Dianna Bardo	<b>Chest Trauma</b> Martin Gunn	8:00
8:05	<b>Current State Of Machine Learning/AI In Radiology</b> Eliot Siegel			8:05
8:10	<b>Value Creation Through Imaging Informatics</b> Rasu Shrestha			8:10
8:15	<b>Deep Learning</b> Eliot Siegel			8:15
8:20	<b>Automated Image Analysis &amp; Pattern Recognition</b> Ronald Summer			8:20
8:25	<b>Toward Fully Automated CT Interpretation Of The Abdomen</b> Ronald Summer	<b>Discussion</b>	<b>Abdominal Trauma</b> Nayeli Morimoto	8:25
8:30	<b>Toward Fully Automated CT Interpretation Of The Head</b> Michael Lev			8:30
8:35	<b>Supervised vs. Unsupervised Learning</b> Jose Morey			8:35
8:40	<b>Debate: Man With Machine vs. Machine</b> Eliot Siegel vs. Rasu Shrestha			8:40
8:45	<b>Discussion</b>			8:45
8:50	<b>Break</b>	<b>What Happened &amp; What I'd Do Differently (Toshiba)</b> Patrik Rogalla	<b>Vascular Trauma</b> Eliot Fishman	8:50
8:55	<b>Automated Decision Support For The Radiologist</b> Tarik Alkasab			8:55
9:00	<b>Patient Oriented Radiology Reporting</b> Tessa Cook			9:00
9:05	<b>Leveraging EHR Data To Drive Value</b> Tarik Alkasab			9:05
9:10	<b>Automated Radiology Recommendation Tracking</b> Tessa Cook			9:10
9:15	<b>Privacy In The Era Of Artificial Intelligence</b> Jeffrey Mendel	<b>Discussion</b>	<b>Musculoskeletal Trauma</b> Katrina Glazebrook	9:15
9:20	<b>Innovation In The Era Of Big Data</b> Rasu Shrestha			9:20
9:25	<b>Debate: Who Controls Patient Data In The Era Of AI: Man Or Machine?</b> Eliot Siegel vs. Tarik Alkasab			9:25
9:30	<b>Discussion</b>			9:30
9:35	<b>Break</b>			9:35
9:40	<b>Automated Radiology Recommendation Tracking</b> Tessa Cook	<b>What Happened &amp; What I'd Do Differently (GE/Siemens)</b> KT Stockton & Michael Lev	<b>Spine Trauma</b> Savvas Nicolaou	9:40
9:45	<b>Privacy In The Era Of Artificial Intelligence</b> Jeffrey Mendel			9:45
9:50	<b>Innovation In The Era Of Big Data</b> Rasu Shrestha			9:50
9:55	<b>Debate: Who Controls Patient Data In The Era Of AI: Man Or Machine?</b> Eliot Siegel vs. Tarik Alkasab			9:55
10:00	<b>Discussion</b>			10:00
10:05	<b>Lunch</b>	<b>Advanced Imaging Processing &amp; Quantifications Of CT Data</b> Moderator   Shannon Walters Post-Processing Software Tools Implementing Volume Rendering Shannon Walters	<b>Cardiovascular Cases</b> Moderator   Joseph Schoepf <b>Cardiovascular CT Imaging: Image Optimization &amp; Pitfalls</b> Lynne Koweek	10:05
10:10	<b>Discussion</b>			10:10
10:15	<b>Break</b>			10:15
10:20	<b>How Low Can We Go In Abdominal CT?</b> Joel Fletcher			10:20
10:25	<b>Dose Optimization Using Phantoms</b> Andrea Ferrero			10:25
10:30	<b>How Low Can You Go In Neuro CT?</b> Michael Lev	<b>Physician-Driven Workflow</b> Les Folio	<b>Structural &amp; Functionary Coronary CTA In Ischemic Heart Disease</b> Joseph Schoepf	10:30
10:35	<b>Dose Management Strategies: The Low Hanging Fruit</b> Mathias Prokop			10:35
10:40	<b>Nodule Detection Performance At Ultra Low Doses</b> Joel Fletcher			10:40
10:45	<b>Explaining Radiation Doses &amp; Risk To Concerned Patients &amp; Family Members</b> James Kofler			10:45
10:50	<b>Debate: Is It Time To Stop Worrying About Dose &amp; Focus On Diagnostic Performance?</b> Joseph Schoepf vs. Aaron Sodickson			10:50
10:55	<b>Discussion</b>	<b>Tumor Metrics</b> <b>Technologist-Driven Workflow</b> Keshni Kumar	<b>Cardiovascular Emergencies, Acute Coronary &amp; Aortic Syndromes</b> Tessa Cook	10:55
11:00	<b>Discussion</b>			11:00
11:05	<b>Discussion</b>			11:05
11:10	<b>Discussion</b>			11:10
11:15	<b>Discussion</b>			11:15
11:20	<b>Discussion</b>	<b>Physician-Driven Workflow</b> Les Folio	<b>CT Of Structural Heart Disease - TAVR Mitral Valve &amp; Beyond</b> Jonathan Liepsic	11:20
11:25	<b>Discussion</b>			11:25
11:30	<b>Discussion</b>			11:30
11:35	<b>Discussion</b>			11:35
11:40	<b>Discussion</b>			11:40
11:45	<b>Discussion</b>	<b>Treatment Planning</b> <b>Aneurysms &amp; Stents-Grafts</b> Nikki Weber	<b>Incidental Findings At Cardiovascular CT &amp; Their Management</b> Michael Hope	11:45
11:50	<b>Discussion</b>			11:50
11:55	<b>Discussion</b>			11:55
12:00	<b>Discussion</b>			12:00
12:05	<b>Discussion</b>			12:05
12:10	<b>Discussion</b>	<b>3D Printing For Complex Surgeries</b> Chris Letrong	<b>CT Imaging Of Cardiovascular Devices, ECMO, LVAD &amp; Beyond</b> Christoph Becker	12:10
12:15	<b>Discussion</b>			12:15
12:20	<b>Discussion</b>			12:20
12:25	<b>Discussion</b>			12:25
12:30	<b>Discussion</b>			12:30
12:35	<b>Discussion</b>	<b>Reconstructive Breast Surgery - DIEP</b> Nikki Weber	<b>CT Imaging Of Pediatric &amp; Adult Congenital Cardiovascular Disease</b> Tim Leiner	12:35
12:40	<b>Discussion</b>			12:40
12:45	<b>Discussion</b>			12:45
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## FULL PROGRAM | Wednesday, June 7th

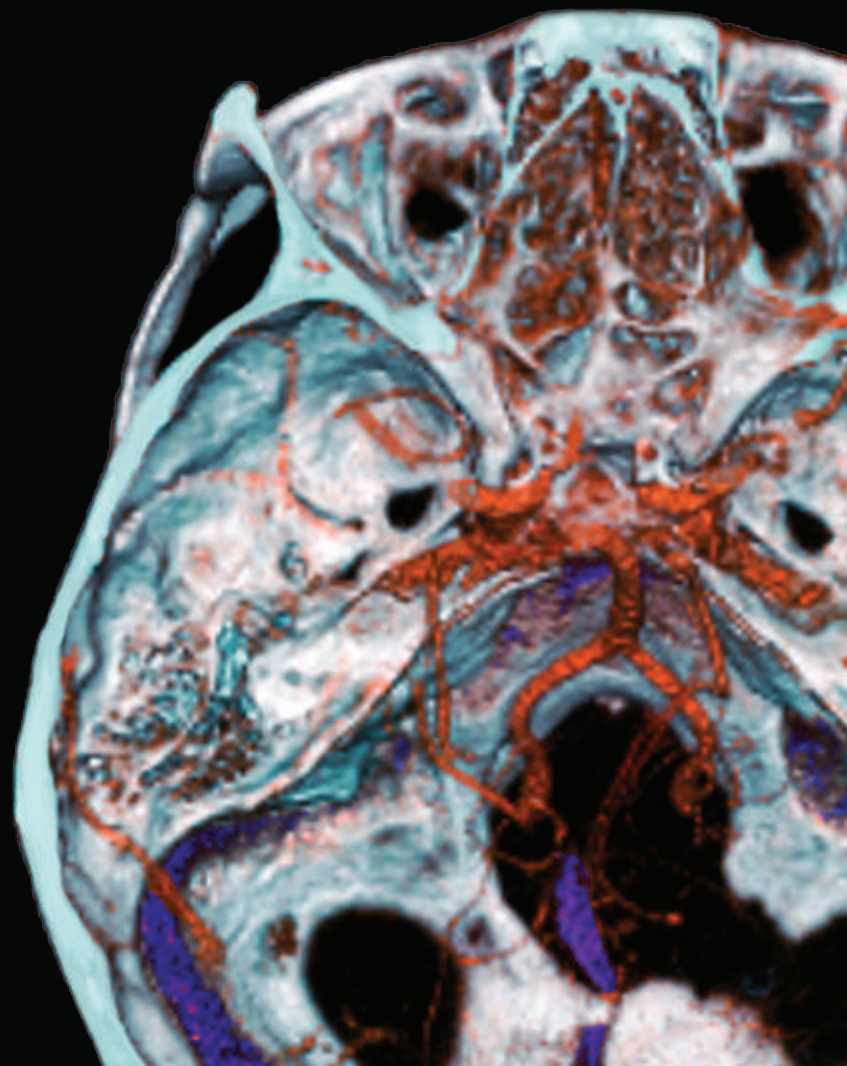
	<b>Cutting Edge Mini-Symposia</b> Understanding & Maximizing CT's Internal Value Chain Moderator   Arun Krishnaraj	<b>CT Academy</b>	<b>Readout With The Professor</b> Chest Cases Moderators   Charles White & Jared Christensen	
8:00	<i>Understanding CT's Value Chain</i> Geoffrey Rubin			8:00
8:05				8:05
8:10	<i>Entering The Chain: Appropriateness &amp; Radiology's Role</i> Arun Krishnaraj		<i>Incidental Findings At Lung Cancer Screening</i> Caroline Chiles	8:10
8:15				8:15
8:20	<i>Costing CT</i> Geoffrey Rubin			8:20
8:25				8:25
8:30	<i>The Impact Of Workflow</i> Les Folio			8:30
8:35				8:35
8:40	<i>Making The Most Of The Visit With Effective Intake</i> Jeffrey Mendel		<i>Review Of Lung Cancer: Early &amp; Late Manifestations</i> Mathias Prokop	8:40
8:45				8:45
8:50	<i>Standardization &amp; Implementation Of CT Protocols: Acquiring The Right Scan</i> Myron Pozniak			8:50
8:55				8:55
9:00	<i>The Patient's Journey In CT</i> Garry Choy			9:00
9:05				9:05
9:10	<i>Assuring Quality and Safety: Dashboards and Scorecards</i> Jason Itri		<i>Smoking-Related ILD</i> Brett Elicker	9:10
9:15				9:15
9:20				9:20
9:25	<i>Debate: The Department Or The Health System - Who Should Be Responsible For Radiology's Value Chain?</i> Jeffrey Mendel vs. Jason Itri			9:25
9:30				9:30
9:35				9:35
9:40			<i>Airways Disease</i> Jared Christensen	9:40
9:45	<i>Discussion</i>			9:45
9:50				9:50
9:55				9:55
10:00				10:00
10:05	<i>Break</i>		<i>Break</i>	10:05
10:10				10:10
10:15				10:15
10:20	<i>Image Processing &amp; Quantification</i> Bhavik Patel			10:20
10:25				10:25
10:30	<i>High Quality &amp; Effective Peer Review</i> Jason Itri			10:30
10:35				10:35
10:40	<i>Actionable Reporting &amp; Communication</i> Arun Krishnaraj		<i>Interstitial Pneumonias: 2017 Update</i> Brett Elicker	10:40
10:45				10:45
10:50	<i>Data Mining &amp; Business Intelligence</i> Jason Itri			10:50
10:55				10:55
11:00	<i>Redesigning Reporting With A Clinic For Direct Patient Consultation</i> Garry Choy			11:00
11:05				11:05
11:10	<i>Revenue Sources &amp; Their Impact On CT's Value Chain</i> Jason Itri		<i>Pleural Disease</i> Ann Leung	11:10
11:15				11:15
11:20	<i>Debate: Is Disrupting The CT Image Acquisition Workflow A Good Idea?</i> Julia Felding vs. Geoffrey Rubin			11:20
11:25				11:25
11:30				11:30
11:35				11:35
11:40			<i>Mediastinal Disease</i> Charles White	11:40
11:45	<i>Discussion</i>			11:45
11:50				11:50
11:55				11:55
12:00				12:00
12:30	<i>Lunch</i>	<i>Lunch</i>	<i>Lunch</i>	12:30
13:00				13:00
13:30				13:30
13:35	<i>Interventional</i> Moderator   Stephen Kee <i>CT-Guided Lung Biopsy Breath-Hold vs. Free Breathing: Complications &amp; Outcomes</i> Jared Christensen	<i>Managing The CT Operation</i> Moderator   Cristy Savage Regulatory & Accreditation Issues <i>ACR Accreditation Issues</i> James Kofler		13:35
13:40				13:40
13:45	<i>Advantages Of CT Fluoroscopy For Thoracic Interventions</i> Scott Genshaft			13:45
13:50		<i>Compliance With NEMA XR-29</i> Cristy Savage		13:50
13:55	<i>Pneumothorax Reduction Techniques In Percutaneous Lung Biopsy</i> Jared Christensen			13:55
14:00				14:00
14:05	<i>Never Say No: Tricks For That Impossible Access For Biopsy &amp; Drainage</i> Olga Brook	<i>Joint Commission Compliance</i> Cristy Savage		14:05
14:10				14:10
14:15	<i>Advanced Thoracic Interventions, Thermal &amp; Cryoblations</i> Scott Genshaft			14:15
14:20		<i>Discussion</i>		14:20
14:25	<i>Disasters To Avoid When Performing CT-Guided Abdominal Biopsies &amp; Drainage</i> Robert Kerlan			14:25
14:30				14:30
14:35	<i>Liver Ablations: Techniques &amp; Tips</i> Evan Lehrman	<i>Process Improvement Projects</i> <i>Process Improvement Project: IV Defect</i> Daisha Marsh		14:35
14:40				14:40
14:45	<i>How Much Does Radiation Dose Matter When Performing CT-Guided IR Procedures?</i> Jared Christensen			14:45
14:50		<i>Process Improvement Project: Stroke Code Optimization</i> Christoph Zorich		14:50
14:55	<i>Debate: Pros &amp; Cons Of Cross-Sectional IR &amp; CT Interpretation As Two Different Services</i> Arun Krishnaraj vs. Stephen Kee			14:55
15:00				15:00
15:05		<i>Process Improvement Project: ED Turnaround</i> Michael Lev		15:05
15:10				15:10
15:15	<i>Discussion</i>			15:15
15:20		<i>Discussion</i>		15:20
15:25				15:25
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15:35	<i>Break</i>	<i>Break</i>		15:35
15:40				15:40
15:45				15:45
15:50				15:50
15:55	<i>Hot Topics In Lung Nodules &amp; Cancer</i> Moderator   Charles White <i>Follow-up On The NSLT: Economic Implications &amp; Use For Nodule Risk Analytics</i> Charles White	<i>Protocol &amp; Practice Management</i> <i>AAPM Protocol Resources</i> Andrea Ferrero		15:55
16:00				16:00
16:05	<i>Pending Lung Screening Trials: The NELSON &amp; Other International Trials</i> Mathias Prokop	<i>The Impact Of System Integration On Clinical Operations</i> KT Stockton		16:05
16:10				16:10
16:15	<i>Building The Optimal Lung Screening Program</i> Caroline Chiles			16:15
16:20		<i>Discussion</i>		16:20
16:25	<i>New Nodule Follow-up Guidelines From The Fleischner Society</i> Ann Leung			16:25
16:30				16:30
16:35	<i>Latest Concepts Regarding The Subsolid Nodule</i> Brett Elicker	<i>Starting New Programs</i> <i>Tracking Response In Oncological Studies</i> Les Folio		16:35
16:40				16:40
16:45	<i>Lung Cancer Radiomics &amp; Radiogenomics</i> Ann Leung			16:45
16:50		<i>TAVR Procedure Planning Program</i> Shannon Walters		16:50
16:55	<i>Debate: Should Management Of A Lung Cancer Screening Program Reside Exclusively Within The Radiology Department?</i> Caroline Chiles vs. Jared Christensen			16:55
17:00				17:00
17:05		<i>Developing A Multi-Energy CT Program</i> Cristy Savage		17:05
17:10				17:10
17:15	<i>Discussion</i>			17:15
17:20		<i>Discussion</i>		17:20
17:25				17:25
17:30				17:30



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