

National Diagnostic Imaging Symposium

DECEMBER 8-12, 2019

DISNEY'S YACHT CLUB RESORT • LAKE BUENA VISTA, FL

- 35 CMEs and 28 SAMs
- COMPREHENSIVE 10 SUBSPECIALTY PROGRAM PLUS SAM SLAM
- Dedicated Breast Imaging track including László K. Tabár Keynote Lectures
- 46 Faculty & 140 Lectures



FACULTY

Chest Radiology-Ballroom A

Jared D. Christensen, MD
Duke University Medical Center
Caroline Chiles, MD
Wake Forest University
Jonathan H. Chung, MD
University of Chicago
Thomas E. Hartman, MD, FACR
Mayo Clinic Rochester

Musculoskeletal-Ballroom B

Mark W. Anderson, MD
University of Virginia
David P. Fessell, MD
University of Michigan
Nancy Major, MD
University of Colorado
School of Medicine
Stacy E. Smith, MD
Harvard Medical School/Brigham
and Women's Hospital

Breast MRI-Ballroom C

Michael J. Ulisse, MD, FACR
The University of Texas Health
Sciences Center in San Antonio
Christopher E. Comstock, MD,
FACR
Memorial Sloan Kettering
Cancer Center
Sarah M. Friedewald, MD
Northwestern Medicine/Prentice
Women's Hospital
Bonnie N. Joe, MD, PhD
UCSF Breast Imaging
Katja Pinker, MD, PhD, EBBI
Memorial Sloan Kettering
Cancer Center

Gastrointestinal Radiology- Ballroom A

Richard M. Gore, MD
University of Chicago
Elliot K. Fishman, MD
Johns Hopkins Hospital
Koenraad J. Mortele, MD
Harvard Medical School
Perry J. Pickhardt, MD
University of Wisconsin School of
Medicine and Public Health

Ultrasound-Ballroom B

Thomas C. Winter III, MD
University of Utah School of
Medicine
Richard G. Barr, MD, PhD
Northeast Ohio Medical University
Rootstown, Ohio
Peter Doubilet, MD, PhD
Harvard Medical School/Brigham
and Women's Hospital
Marilyn J. Siegel, MD
Washington University School of
Medicine

Breast Imaging-Ballroom C

Michael J. Ulisse, MD, FACR
The University of Texas Health
Sciences Center in San Antonio
Stamatia Destounis, MD, FACR
University of Rochester/Elizabeth
Wende Breast Care
Maxine S. Jochelson, MD
Memorial Sloan Kettering
Cancer Center
Edward A. Sickles, MD
University of California,
San Francisco
A. Thomas Stavros, MD, FACR
The University of Texas
Health Sciences Center in
San Antonio

Emergency Radiology-Ballroom A

Wayne S. Kubal, MD
University of Arizona
Mark P. Bernstein, MD
NYU Langone Health/Bellevue
Hospital
Jorge A. Soto, MD
Boston University School of Medicine
O. Clark West, MD
The University of Texas Health
Science Center of Houston

Genitourinary Radiology- Ballroom B

Stuart G. Silverman, MD, FACR
Harvard Medical School
Mukesh Harisinghani, MD
Harvard Medical School
Iva Petkovska, MD
Memorial Sloan Kettering
Cancer Center
Hebert Alberto Vargas, MD
Memorial Sloan Kettering
Cancer Center

Advanced Topics in Breast- Ballroom C

Michael J. Ulisse, MD, FACR
The University of Texas Health
Sciences Center in San Antonio
László K. Tabár, MD
Uppsala University, Sweden
Elizabeth A. Rafferty, MD
Director of Breast Imaging Program
L&M Radiology

Neuroradiology-Ballroom A

Erik Gaensler, MD
Bay Imaging Consultants
San Francisco, CA
Blake A. Johnson, MD, FACR
Center for Diagnostic Imaging
Minneapolis, MN
James E. Lefler, MD
AdventHealth-Tampa Bay Region
Camilla E. Lindan, MD
University of California
San Francisco
James G. Smirniotopoulos, MD
Chief Editor, MedPix®
National Library of Medicine
Bethesda, MD

Cardiovascular Radiology- Ballroom B - AM

John S. Pellerito, MD, FACR
Zucker School of Medicine at
Hofstra/Northwell
Elliot K. Fishman, MD
Johns Hopkins Hospital
Michael Poon, MD, FACR
Zucker School of Medicine at
Hofstra/Northwell

Nuclear Medicine for the Community Radiologist- Ballroom B - PM

David M. Naeger, MD
University of California
San Francisco

SAM SLAM of Hot Topics - Combined in Ballroom A and B

John S. Pellerito, MD, FACR
Zucker School of Medicine at
Hofstra/Northwell
Harprit Bedi, MD
Boston University School of Medicine
Elliot Fishman, MD
Johns Hopkins Hospital
Erik Gaensler, MD
Bay Imaging Consultants
San Francisco, CA
Douglas S. Katz, MD, FACR
NYU Winthrop Hospital
David M. Naeger, MD
University of California, San Francisco
James G. Smirniotopoulos, MD
Chief Editor, MedPix®
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Bethesda, MD

Comprehensive Lung Cancer Screening Workshop

Jared D. Christensen, MD
Duke University Medical Center

Advanced Breast Tomosynthesis Workshop

Elizabeth A. Rafferty, MD
Director of Breast Imaging Program
L&M Radiology

Automated Breast Ultrasound

Jocelyn Rapelyea, MD
The George Washington University
Medical Center

Emerging Breast Imaging Technologies Hands-on Workshop

Faculty to be announced

REGISTRATION

National Diagnostic Imaging Symposium

December 8-12, 2019

Disney's Yacht Club Resort • Lake Buena Vista, FL

You may also register online at **WorldClassCME.com** or by phone at (888) 207-9105, Monday-Friday, 8:30 am – 5 pm EST

Name

Medical License#

State

Facility/Organization

Specialty

Address

City

State

Zip

Phone

Fax

E-mail (for confirmation and CME certificate)

Registration Fees

- Physician \$1,495
- Resident/Retired/Military/VA Physician* \$1,395
- Advanced Practitioner (NP/PA) \$1,395
- Comprehensive Lung Cancer Screening Workshop (Monday) Free**
- Advanced Breast Tomosynthesis Workshop (Wednesday) Free**
- Automated Breast Ultrasound Workshop (Wednesday) Free**
- Emerging Breast Imaging Technologies Hands-on Workshop (Thursday) Free**

*Written certification of status required

**Free to full-course registrants; use NDISFREE19 to apply discount.

Payment Method (please make check payable to World Class CME)

Check one: Discover Visa Mastercard AMEX

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I Have ADA Needs

Please mail this form to:

World Class CME, 6201 Fairview Rd Suite 200, Charlotte, NC 28210

National Diagnostic Imaging Symposium Accreditation – World Class CME is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians. World Class CME designates this live activity for a maximum of 35 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

ABR Maintenance of Certification - 35 *AMA PRA Category 1 Credits™* - CME credits can be used toward ABR MOC Part 2 requirements.

28 SAM Credits - SAM credits can be used toward ABR MOC Part 2 SA-CME requirements.

Physician Assistants (PA) – The American Academy of Physician Assistants accepts *AMA PRA Category 1 Credit™* for organizations accredited by the ACCME. This course qualifies for Category 1 CME for PAs.

Nurse Practitioners – The American Academy of Nurse Practitioners Certification Program accepts continuing education credits sponsored by organizations, agencies or educational institutions accredited or approved by the Accreditation Council for Continuing Medical Education (ACCME).

Disclosure – This program has been planned and implemented in accordance with ACCME essentials and standards. World Class CME relies on its CME faculty to provide program content that is evidence-based and free of commercial bias. Therefore, any faculty, program director, reviewer and/or provider industry relationships will be disclosed and resolved. Speakers are required to openly disclose any limitations of data and/or any discussion of any off-label, experimental or investigational uses of drugs or devices in their presentations.

For disclaimers and other details about this course, visit WorldClassCME.com

SYMPOSIUM OUTLINE

5-DAY DIAGNOSTIC RADIOLOGY PROGRAM

Lectures	Ballroom A	Ballroom B	Ballroom C
Sunday	Chest	Musculoskeletal	Breast MRI
Monday	Gastrointestinal	Ultrasound Comprehensive Lung Cancer Screening Workshop (Classroom E)	Breast Imaging
Tuesday	Emergency Radiology	Genitourinary	Advanced Topics in Breast including László K. Tabár, MD Keynote Lectures (AM) Elizabeth A. Rafferty, MD Lectures (PM)
Wednesday	Neuroradiology	Cardiovascular Radiology (AM) Nuclear Medicine for the Community Radiologist (PM)	Advanced Tomosynthesis Workshop Automated Breast Ultrasound Workshop
Thursday	Combined Ballrooms A & B SAM SLAM* of Hot Topics		Emerging Breast Imaging Technologies Hands-on Workshop

*All lectures interactive

- Multi-day clinical pathways in Abdominal, Chest including Cardio, Emergency, Genitourinary, Neurology, Musculoskeletal and Nuclear Medicine
- 46 faculty, 140 lectures
- Concurrent sessions in side-by-side ballrooms
- Choose which lectures to attend
- Up to 7 *AMA PRA Category 1 Credits™* each day
- Up to 35 *AMA PRA Category 1 Credits™*; AMA credits can be used toward ABR MOC Part 2 requirements
- 28 SAMs; SAM credits can be used toward ABR MOC Part 2 SA-CME requirements
- Wide range of topics for Clinical Content SAMs
- SAM SLAM of Hot Topics Day; Every lecture is interactive; 6 SAMs

Comprehensive Lung Cancer Screening Workshop Accreditation - World Class CME designates this live activity for a maximum of 2.5 *AMA PRA Category 1 Credits™*. Physicians should only claim the credit commensurate with the extent of their participation in the activity.

Chairman Emeritus: J. Timothy Blackwelder, MD, Center for Diagnostic Imaging, Auburn and Federal Way, Washington

Course Director: Heidi M. Wilson, President of World Class CME, Charlotte, North Carolina

5-DAY DEDICATED BREAST IMAGING PROGRAM

- Keynote lectures by László K. Tabár, MD on Tuesday, December 10
- Up to 42.5 *AMA PRA Category 1 Credits™*
- 4 SAMs in Breast Imaging
- 8 *AMA PRA Category 1 Credits™* in Breast Imaging for Advanced Breast Tomosynthesis workshop
- 5 *AMA PRA Category 1 Credits™* in Breast Imaging for Automated Breast Ultrasound workshop applies toward fulfilling FDA requirements
- 8 *AMA PRA Category 1 Credits™* in Emerging Breast Imaging Technologies Hands-on Workshop

DISNEY'S YACHT CLUB RESORT

Only \$260 per night! Make your reservation today. Call 407-939-4686.

The symposium will take place at *Disney's Yacht Club Resort* where guests are welcomed into a nautical world of hardwood floors, brass fittings and luxurious accommodations. Embrace the resort lifestyle and take in a game of tennis, lawn bowling, croquet or beach volleyball. Recently renovated, the resort has exquisitely appointed rooms, new dining options, as well as a lobby bar.



Enjoy the Parks With Food and Fun - Star Wars and Skyline, are New Attractions!

Soar high above the treetops for a spectacular view of the entire Disney World resort on the newest transportation system, Disney's Skyliner. The gondola system, scheduled to open in the fall, will link three resorts and two parks.

Disney's Hollywood Studios latest attraction is guaranteed to have the Star Wars enthusiast at the edge of their seat. Live the adventure at Galaxy's Edge and visit new restaurants to sample local concoctions for the best in galactic dining.

Disney's Yacht Club Resort is conveniently within walking distance, or short boat ride, of several outstanding eateries, as well as all Epcot's internationally themed restaurants. *Disney's Yacht Club Resort* also features Stormalong Bay, a three-acre water wonderland. Suit up and enjoy the sandy bottom pool, water slide, lazy river, cabana bar or one of the secluded spas. Fun on adjacent Crescent Lake awaits with watercraft rentals from Bayside Marina.

Other Disney World® attractions are conveniently located, accessible by bus from the front of the hotel or by monorail from Epcot®. Disney Springs is just a short distance away, providing unique shops, one-of-a-kind restaurants and entertainment.

Health and Fitness

Take advantage of the well-hidden lap pool behind the hotel, as well as the fitness club next to the water complex. Plus, enjoy walking or running around the lagoon and on trails extending all the way to Hollywood Studios® along the canal and beyond.

Special Room Rates – \$260 Per Night!

Disney's Yacht Club Resort rooms include internet access, room safe and refrigerator. A discounted rate of \$260 per night (state and sales tax apply) is available for a limited number of rooms when reservations are made by Nov. 18, 2019. This room block may sell out before that date, so please make reservations early. To reserve your room, call **407-939-4686** and identify yourself as an attendee of the National Diagnostic Imaging Symposium.

Take advantage of **discounted Walt Disney World® Resort admission prices** available to conference attendees. Visit us at WorldClassCME.com for a link to access discounted park passes.



CLINICAL PATHWAYS

Navigate across multiple days of lectures and zero in on your topics of interest by using a guide to your chosen pathway.

- Pathways available in Abdominal, Chest including Cardiovascular, Emergency, Genitourinary, Neurology, Musculoskeletal and Nuclear Medicine on multiple days of the symposium.
- Use this key to determine which lectures are in your pathway:
 - = Abdominal
 - = Chest including Cardiovascular
 - = Emergency
 - = Genitourinary
 - = Neurology
 - = Musculoskeletal
 - = Nuclear Medicine
- You can find additional details about Pathways on our website: **WorldClassCME.com**

COURSE OBJECTIVES

Upon completion of this course, participants will be able to:

- Increase diagnostic capabilities in multiple radiology sub-specialties
- Utilize CT and MRI to assess injury and disease in the extremities, spine and face
- Apply ultrasound to musculoskeletal, gynecological, obstetrical, cardiovascular and other organ systems
- Effectively use MDCT and MR imaging to evaluate the abdomen, liver, pancreas, spleen and bowel
- Plan the appropriate imaging of emergency department patients, including pediatric patients
- Improve assessment of genitourinary malignancies, masses and anomalies using MRI, CT and US
- Improve diagnostic accuracy in breast imaging and distinguish advantages of the newest breast screening and diagnostic technologies
- Correctly interpret and stage CT findings in the context of a lung cancer-screening program
- Understand how to utilize non-invasive options such as CT, MR and ultrasound for the evaluation of vascular problems
- Improve skills in MR and US-guided radiology procedures
- Enhance understanding of the use and limitations of PET/CT

COMPREHENSIVE LUNG CANCER SCREENING WORKSHOP

MONDAY, DECEMBER 9, 2019 7:25 - 9:50 AM

FACULTY: Jared D. Christensen, MD, CLASSROOM E

This 2.5-hour workshop will consist of didactic and a hands-on interactive case-based approach to lung cancer screening. Participants will work through 50 lung cancer screening cases that illustrate principles of nodule identification, measurement, classification, and management. Each case will be reviewed in detail, highlighting teaching points and practical tips for efficiently and accurately utilizing Lung-RADS in daily practice.

Learning Objectives:

- Summarize patient eligibility criteria for lung cancer screening.
- Review ACR Lung-RADS classification categories.
- Correctly classify lung nodules and management recommendations utilizing ACR Lung-RADS.
- Understand the limitations and pitfalls in lung cancer screening interpretation.

The Lung Cancer Screening Workshop is offered free to full-course registrants. Separate sign up is required for this limited seating workshop. Use code NDISLUNG19. Single-day workshop registrations may be available closer to the date of the symposium; please call us at (888)-207-9105, Monday-Friday 8:30 am-5 pm EST, or check our website for updates.

World Class CME wishes to thank Philips for an educational grant in support of the National Diagnostic Imaging Symposium.

SUNDAY, DECEMBER 8

CHEST RADIOLOGY BALLROOM A

Time	Program	Faculty
7:00	Registration and Breakfast	
7:25	Morning Announcements	Christensen
7:30	Imaging of Fibrotic Interstitial Lung Disease: The New Classification of UIP and the Rationale for Change (SAM)	Chung ●
8:05	Smoking-Related Lung Disease (1 SAM with above)	Chiles ●
8:40	Imaging of Cystic Lung Disease (SAM)	Hartman ●
9:15	Airways Disease: A Case-based Approach (1 SAM with above)	Christensen ●
9:50	Break and Visit Exhibits	
10:10	Lung Nodule Management Guidelines: What to Use When	Christensen ●
10:40	Lung Cancer Screening: A Case-based Review	Chiles ●
11:10	Diffuse Nodular Lung Disease	Chung ●
11:40	Pulmonary Complications in the Immunocompromised Host	Hartman ●
12:10	Questions and Answers	Faculty
12:30	Morning Session Adjourns	
1:45	Incidental Findings on Chest CT	Chile ●
2:15	Occupational Lung Disease	Chung ●
2:45	Imaging of Thoracic Trauma	Hartman ● ●
3:15	Imaging Evaluation of Acute Chest Pain	Christensen ● ●
3:45	Questions and Answers	Faculty
4:05	Adjourn for the Day	

Please Bring Your Smartphone to Class Each Day

















MUSCULOSKELETAL BALLROOM B

Time	Program	Faculty
7:00	Registration and Breakfast	
7:25	Morning Announcements	Anderson
7:30	Meniscus of the Knee: Patterns of Failure with Emphasis on Structure and MR Imaging	Resnick ●
8:00	Degenerative and Inflammatory Disorders of the Vertebral Column: Imaging - Pathologic Correlation	Resnick ● ●
8:30	Triangular Fibrocartilage of the Wrist	Resnick ●
9:00	The Wrist: Intrinsic Ligaments and Tendons	Anderson ●
9:30	Questions and Answers	Faculty
9:50	Break and Visit Exhibits	
10:10	The Shoulder: Labral Pathology (SAM)	Major ●
10:45	The Shoulder: Non-Labral Pathology (1 SAM with above)	Fessell ●
11:20	MRI of the Elbow: A Case-based Review (SAM)	Anderson ●
11:55	Imaging of Osteoporosis and its Complications (1 SAM with above)	Anderson ●
12:30	Morning Session Adjourns	
1:45	The Knee: Ligaments	Major ●
2:15	The Knee: Tendons and Masses	Fessell ●
2:45	Imaging of Lateral Ankle Pain	Major ●
3:15	The Ankle: Tendons and Masses	Fessell ●
3:45	Questions and Answers	Faculty ●
4:05	Adjourn for the Day	

Please Bring Your Smartphone to Class Each Day



















MONDAY, DECEMBER 9

GASTROINTESTINAL RADIOLOGY BALLROOM A

Time	Program	Faculty
7:00	Breakfast	
7:25	Morning Announcements	Gore
7:30	MR for the Non-Traumatic Acute Abdomen	Pickhardt  
8:00	Acute Pancreatitis	Morteale  
8:30	Demystifying Peritoneal Disease	Pickhardt 
9:00	Solid Pancreatic Tumors Beyond Adenocarcinoma	Morteale 
9:30	Questions and Answers	Faculty
9:50	Break and Visit Exhibits	
10:10	MDCT Evaluation of the Spleen	Fishman 
10:40	Evaluation of Bowel Ischemia	Gore  
11:10	CT of Small Bowel Tumors	Fishman 
11:40	Appendicitis and Diverticulitis and Their Mimics	Gore  
12:10	Questions and Answers	Faculty
12:30	Morning Session Adjourns	
1:45	Understanding NAFLD (SAM)	Pickhardt 
2:20	MRC of Benign Biliary Disorders (1 SAM with above)	Morteale 
2:55	MDCT of Parenchymal Liver Disease (SAM)	Fishman 
3:30	Diagnosis and Staging of Biliary Neoplasms (1 SAM with above)	Gore 
4:05	Adjourn for the Day	

Please Bring Your Smartphone to Class Each Day

ULTRASOUND BALLROOM B

Time	Program	Faculty
7:00	Breakfast	
7:25	Morning Announcements	Winter
7:30	Why You Should Be Offering Liver Elastography in Your Practice (SAM)	Barr 
8:05	There is a Mass in the Scrotum: What Does it Mean? (1 SAM with above)	Winter 
8:40	Sonography of the First Trimester (SAM)	Doubilet  
9:15	Pediatric Ultrasound from the ER: Right Lower Quadrant Pain: More Than Appendicitis (1 SAM with above)	Siegel  
9:50	Break and Visit Exhibits	
10:10	How Contrast Enhanced Ultrasound Will Improve Your Patient Outcomes - How to Get Started	Barr 
10:40	Medical Malpractice Issues in Obstetrics for the General Radiologist	Winter 
11:10	Ectopic Pregnancy: Diagnosis	Doubilet  
11:40	Pediatric Ultrasound from the ER: Imaging Turns and Twists of Bowel Obstruction	Siegel  
12:10	Questions and Answers	Faculty
12:30	Morning Session Adjourns	
1:45	Contrast Enhanced Ultrasound of the Liver and Kidney	Barr  
2:15	Interesting Abdominal Ultrasound Cases	Winter 
2:45	Placenta, Cord and Amniotic Fluid	Doubilet 
3:15	Pediatric Ultrasound From the ER: Acute Scrotum: Practice Essentials	Siegel  
3:45	Questions and Answers	Faculty
4:05	Adjourn for the Day	

Please Bring Your Smartphone to Class Each Day

TUESDAY, DECEMBER 10

EMERGENCY RADIOLOGY BALLROOM A

Time	Program	Faculty
7:00	Breakfast	
7:25	Morning Announcements	Kubal
7:30	MDCT Maxillofacial Trauma: Saving Face (SAM)	Bernstein ● ●
8:05	Avoiding Errors: Hand and Wrist (1 SAM with above)	West ● ●
8:40	Pitfalls in CT of Blunt Abdominal Trauma (SAM)	Soto ● ●
9:15	CT and MR of Spine Infections (1 SAM with above)	Kubal ● ● ●
9:50	Break and Visit Exhibits	
10:10	CT of Cervical Spine Injuries	West ● ● ●
10:40	Using MR to Address Problematic Cervical Injuries	Kubal ● ● ●
11:10	Easily Missed Thoracolumbar Injuries	Bernstein ● ● ●
11:40	CT and MR of Biliary Tract Emergencies	Soto ● ●
12:10	Questions and Answers	Faculty
12:30	Morning Session Adjourns	
1:45	Injuries to the Aorta and Diaphragm	Bernstein ● ●
2:15	Imaging of Crohn's Disease in the ER	Soto ● ●
2:45	Avoiding Errors: Foot and Ankle	West ● ●
3:15	Non-Traumatic Subarachnoid Hemorrhage	Kubal ● ●
3:45	Questions and Answers	Faculty
4:05	Adjourn for the Day	

Please Bring Your Smartphone to Class Each Day

GENITOURINARY BALLROOM B

Time	Program	Faculty
7:00	Breakfast	
7:25	Morning Announcements	Silverman
7:30	Imaging of Adrenal Masses	Silverman ●
8:00	Imaging of Treated and Recurrent Prostate Cancer	Vargas ●
8:30	MRI of the Bladder and Urethra	Harisinghani ●
9:00	MRI of Adnexal Lesions	Petkovska ●
9:30	Questions and Answers	Faculty
9:50	Break and Visit Exhibits	
10:10	Renal Mass Imaging Update (SAM)	Silverman ●
10:45	Imaging of Cervical and Endometrial Malignancies (1 SAM with above)	Harisinghani ●
11:20	Prostate MR: PIRADS 2 Simplified (SAM)	Vargas ●
11:55	MRI of Benign Conditions of the Uterus (1 SAM with above)	Petkovska ●
12:30	Morning Session Adjourns	
1:45	Case-based Review: Pitfalls of GU MRI	Vargas ●
2:15	Case-based Review: GU Infections	Harisinghani ● ●
2:45	Case-based Review: MRI of Acute Pelvic Pain in Women	Petkovska ● ●
3:15	Case-based Review: CT Urography	Silverman ●
3:45	Questions and Answers	Faculty
4:05	Adjourn for the Day	

Please Bring Your Smartphone to Class Each Day

WEDNESDAY, DECEMBER 11

NEURORADIOLOGY BALLROOM A

Time	Program	Faculty
7:00	Breakfast	
7:25	Morning Announcements	Gaensler
7:30	Sellar and Parasellar Lesions	Smirniotopoulos ●
8:00	Spine Neoplasms	Gaensler ● ● ●
8:30	Stroke Intervention: What Really Matters in Your Reports	Lefler ● ● ●
9:00	Brain Infections	Johnson ● ● ●
9:30	Questions and Answers	Faculty
9:50	Break and Visit Exhibits	
10:10	Neuroimaging of Drug Abuse (SAM)	Lindan ● ● ●
10:45	Tumor Markers in Diffuse Gliomas (1 SAM with above)	Smirniotopoulos ●
11:20	Head and Neck Tumors (SAM)	Johnson ●
11:55	AVM's A-Z (1 SAM with above)	Gaensler ●
12:30	Morning Session Adjourns	
1:45	Upping Your Game! From Common Indications to Stellar Report: Headache	Lindan ● ● ●
2:15	Upping Your Game! From Common Indications to Stellar Report: Cognitive Decline	Lindan ●
2:45	Intracranial Hemorrhage	Johnson ● ● ●
3:15	Mysteries of Metastases	Smirniotopoulos ●
3:45	Questions and Answers	Faculty
4:05	Adjourn for the Day	

Please Bring Your Smartphone to Class Each Day

CARDIOVASCULAR RADIOLOGY BALLROOM B

Time	Program	Faculty
7:00	Breakfast	
7:25	Morning Announcements	Pellerito
7:30	Pearls and Pitfalls for Carotid Duplex Interpretation (SAM)	Pellerito ●
8:05	CT of the Abdominal Aorta: Aneurysms, Dissections and Repair (1 SAM with above)	Fishman ● ● ● ●
8:40	Multimodality Imaging in the Assessment of Structural Heart Disease (SAM)	Poon ●
9:15	Doppler Evaluation of Portal Hypertension (1 SAM with above)	Pellerito ●
9:50	Break and Visit Exhibits	
10:10	CT of GI Bleeding	Fishman ● ● ● ●
10:40	Noninvasive Evaluation of Chest Pain	Poon ●
11:10	CTA of the Abdominal Vessels and Runoff Studies	Fishman ●
11:40	Doppler Evaluation of Renal and Mesenteric Arteries	Pellerito ● ● ●
12:10	Questions and Answers	Faculty
12:30	Morning Session Adjourns	

Please Bring Your Smartphone to Class Each Day

NUCLEAR MEDICINE FOR THE COMMUNITY RADIOLOGIST

BALLROOM B

Time	Program	Faculty
1:45	When Does FDG PET Not Work Well? A Case-based Review (SAM)	Naeger ●
2:20	False Positives on FDG PET: A Myriad of Artifacts and Incidentals (1 SAM with Lecture Above)	Naeger ●
2:55	General Nuclear Medicine is Still Done! Oldies but Goodies to the Cutting Edge (SAM)	Naeger ●
3:30	Nuclear Medicine for the ED and Bone Scans (1 SAM with Lecture Above)	Naeger ● ● ●
4:05	Questions and Answers	Naeger
4:20	Adjourn for the Day	

Please Bring Your Smartphone to Class Each Day

THURSDAY, DECEMBER 12

SAM SLAM OF HOT TOPICS* COMBINED BALLROOMS A AND B

Time	Program	Faculty
7:00	Breakfast	
7:25	Morning Announcements	Pellerito
7:30	CNS Infections (SAM)	Smirniotopoulos ●●
8:05	Lumbar Spine Imaging (1 SAM with above)	Gaensler ●●
8:40	Pulmonary Embolism Update (SAM)	Naeger ●●
9:15	Vascular Ultrasound Pitfalls (1 SAM with above)	Pellerito ●
9:50	Break and Visit Exhibits	
10:10	Pitfalls and Errors in Body CT: What are They and How Do We Avoid Them (SAM)	Fishman ●
10:45	Non-Contrast CT of the Acute Abdomen (1 SAM with above)	Katz ●●
11:20	Acute Stroke: Update on Recent Guidelines (SAM)	Bedi ●●
11:55	4Hs of Neuro-apocalypse (1 SAM with above)	Smirniotopoulos ●●
12:30	Morning Session Adjourns	
1:45	CT and PET/CT of Thoracic Tumors (SAM)	Naeger ●●
2:20	What the Radiologist Should Know About AI (1 SAM with above)	Bedi
2:55	CT of the Acute Female Pelvis (SAM)	Katz ●●
3:30	Complications of First Trimester Pregnancy (1 SAM with above)	Pellerito ●●
4:05	Symposium Adjourns	

Please Bring Your Smartphone to Class Each Day
**All lectures interactive*



5-DAY DEDICATED BREAST IMAGING PROGRAM

Lectures	Location	Session	CME Credit
Sunday	Ballroom C	Breast MRI	7.25
Monday	Ballroom C	Breast Imaging	7.25
Tuesday	Ballroom C	Advanced Topics in Breast An Introduction to Opto-acoustic Imaging László K. Tabár Keynote Lectures Elizabeth A. Rafferty, MD Lectures	7.0
Wednesday	Classroom D	Advanced Breast Tomosynthesis Workshop	8.0
	Classroom E	Automated Breast Ultrasound Workshop	5.0
Thursday	Classroom D	Emerging Breast Imaging Technologies Hands-on Workshop	8.0

Attending any of the breast program lectures on Sunday through Tuesday does not preclude you from attending any of the other sessions and lectures. You may still choose which lectures to attend; please remember to scan in and out of the breast lectures for which you specifically need CME credits.

The breast workshops are offered free to full-course registrants. Separate sign up is required for these limited seating workshops. Use code NDISFREE19. Single-day workshop registrations may be available closer to the date of the symposium; please call us at **(888)-207-9105**, Monday-Friday, 8:30 am-5 pm EST, or check our website for updates.

Advanced Breast Tomosynthesis Workshop

The Advanced Breast Tomosynthesis Workshop, lasting eight hours, includes didactic lectures and case reviews at independent workstations. The workshop is intended for those who have completed any prior eight-hour workshop on tomosynthesis.

Automated Breast Ultrasound Workshop

Participants will receive guided instruction in automated breast ultrasound interpretation by expert faculty, as well as opportunity to perform independent review of numerous clinical automated breast US data sets at an independent workstation.

Emerging Breast Imaging Technologies Hands-on Workshop

The Emerging Breast Imaging Technologies Workshop, lasting eight hours, includes didactic lectures and case reviews at independent workstations. It will feature emerging breast imaging technologies. We will provide updated information in the Fall on our web site and with social media.

Advanced Breast Tomosynthesis Accreditation - World Class CME designates this live activity for a maximum of 8.0 *AMA PRA Category 1 Credits*[™].

Automated Breast Ultrasound Accreditation - World Class CME designates this live activity for a maximum of 5.0 *AMA PRA Category 1 Credits*[™].

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

World Class CME wishes to thank **Seno Medical Instruments Inc.**[®] for an educational grant contributed in support of National Diagnostic Imaging Symposium 2019.

World Class CME wishes to thank **Hologic, Inc.** for an educational grant contributed in support of the National Diagnostic Imaging Symposium.

World Class CME wishes to thank **GE Healthcare** for an educational grant contributed in support of the National Diagnostic Imaging Symposium.



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SUNDAY, DECEMBER 8

BREAST MRI BALLROOM C

Time	Program	Faculty
7:00	Registration and Breakfast	
7:25	Welcome and Morning Announcements	Ulissey
7:30	Point-Counter-Point: Abbreviated Screening Breast MRI Versus Breast MRI - Keep the Full Protocol	Friedewald/Joe
8:30	3T vs 1.5T in Breast: What Are the Benefits? Are They Needed?	Pinker
9:00	Controversies in Breast MRI - Are They Real?	Joe
9:30	Questions and Answers	Faculty
9:50	Break and Visit Exhibits	
10:10	MRI Biopsies: From Basics to Tips and Tricks	Friedewald
10:40	Breast MRI in the Post Lumpectomy Patient	Comstock
11:10	The Effective Use of Breast MRI as a Problem Solver	Pinker
11:40	Current Status of Breast DWI	Joe
12:10	Questions and Answers	Faculty
12:30	Morning Session Adjourns	Friedewald
1:45	Breast MRI in the Preoperative Setting (SAM)	
2:20	Challenges with BIRADS-3 in Breast MRI (1 SAM with above)	Comstock
2:55	Difficulties with NME: Is it BPE or DCIS? (SAM)	Pinker
3:30	Breast MRI Cases to Leave For Your Partner (1 SAM with above)	Joe
4:05	Questions and Answers	Faculty
4:20	Adjourn for the Day	

Please Bring Your Smartphone to Class Each Day

MONDAY, DECEMBER 9

BREAST IMAGING BALLROOM C

Time	Program	Faculty
7:00	Breakfast	
7:25	Welcome and Morning Announcements	Ulissey
7:30	The Community-Based Breast Imaging Center - How to Make it Efficient and Profitable	Destounis
8:00	High Risk Screening: The Devil is in the Details	Jochelson
8:30	Medicolegal Issues in Breast Imaging	Sickles
9:00	How to Reduce the Frequency of Missed Cancers	Sickles
9:30	Questions and Answers	Faculty
9:50	Break and Visit Exhibits	
10:10	Case Studies of Potential Lawsuits - What Can We Learn? (SAM)	Sickles
10:45	Ultrasound Features of Breast Masses as Biomarkers (1 SAM with above)	Stavros
11:20	Tomosynthesis in the Screening and Diagnosis Environments (SAM)	Destounis
11:55	Contrast Enhanced Mammography: State of the Art (1 SAM with above)	Jochelson
12:30	Questions and Answers	Faculty
12:40	Morning Session Adjourns	
1:45	Breast Imaging in Women Receiving Neoadjuvant Chemotherapy	Jochelson
2:15	Challenging Cases in Tomosynthesis, What Can We Learn?	Destounis
2:45	Ultrasound of Nipple Discharge and Papillary Lesions	Stavros
3:15	An Analysis of Ultrasound False Negative Findings	Stavros
3:45	Questions and Answers	Faculty
4:05	Adjourn for the Day	

Please Bring Your Smartphone to Class Each Day

TUESDAY, DECEMBER 10

ADVANCED TOPICS IN BREAST BALLROOM C

Time	Program	Faculty
7:00	Breakfast	
7:25	Welcome and Morning Announcements	Ulissey
7:30	An Introduction to Opto-acoustic Imaging	Ulissey
8:15	A Revolutionary New Era in the Diagnosis and Treatment of Breast Cancer, Past, Present and Future	Tabár
9:15	Questions and Answers	Faculty
9:30	Break and Visit Exhibits	
9:45	Modern and Effective Calcification Analysis	Tabár
10:45	Architectural Distortion on the Mammogram - Detection and Workup Algorithm Leading to the Correct Diagnosis	Tabár
11:45	Questions and Answers	Faculty
12:00	Morning Session Adjourns	
1:30	Tomosynthesis - It Just Keeps Getting Better!	Rafferty
2:15	Current Screening Guidelines: One Step Forward, Two Steps Back?	Rafferty
2:45	Am I Missing Something? Minimizing False Positives with Tomosynthesis	Rafferty
3:15	Through the Looking-Glass: A Potpourri of Case Studies	Rafferty
3:45	Questions and Answers	Faculty
4:05	Adjourn for the Day	

Please Bring Your Smartphone to Class Each Day



SYMPOSIUM INFORMATION

Please register early. We welcome walk-in registrations; however, the room block may sell out, so be sure to book your room in advance. The favorable group room block rate closes when sold out or on Nov. 18, 2019.

Course Materials

You will receive a digital syllabus containing lecture abstracts and slides accompanied by a notebook with lecture objectives and note pages. Course evaluations will arrive in your email each day of the symposium; we thank you for your feedback.

Group Discounts Available

Two and more registrations qualify for a group discount. Call our office to receive \$50 off each registrant's fee. The registrations must be made at the same time and this discount is not retroactive. Please call **888-207-9105**, Monday-Friday, 8:30 am - 5 pm EST.

Refunds

A fee of \$75 is charged for cancellations received prior to the course. We're sorry, but we cannot provide refunds after November 18, 2019.

CME Certificate

We will email your CME certificate to the address provided with your registration. We suggest an address that allows an attachment to ensure timely delivery.

SAM Credits

You will receive one SAM credit for each set of two paired SAM lectures as noted in the program, provided you participate in both

lectures. Your SAM certificate will be emailed to the address provided with your registration. Again, we suggest an email address that allows an attachment from us to ensure timely delivery of your SAM certificate.

Please bring your smartphone to class each day. When you sign in at the registration desk on your first day, we will assist you in downloading an easy-to-use app for answering SAM questions. If you do not wish to use your smartphone to answer the SAM questions, we will help you with other arrangements to participate in the SAMs; however, there may be a delay in processing your SAM certificate.

CME Credit Breakdown

A detailed CME credit breakdown of subspecialty credits **will be available at** WorldClassCME.com closer to the date of the symposium.

Meals and Exhibits

An expanded continental breakfast, as well as morning snack and refreshments, will be provided daily in the exhibit hall. National leaders in medical publishing will be on site.

ABR Maintenance of Certification

35 AMA PRA Category 1 Credits™ - CME credits can be used toward ABR MOC Part 2 requirements.

28 SAM Credits - SAM credits can be used toward ABR MOC Part 2 SA-CME requirements.

TARGET AUDIENCE

National Diagnostic Imaging Symposium is designed to meet the educational needs of practicing radiologists, radiologists in training and other physicians, as well as advanced practitioners with a special interest in radiology.

INTERNATIONAL ATTENDEES AND VISITORS

We welcome our international attendees and guests to the United States to the 2019 National Diagnostic Symposium. Join radiologists from across the world for this year's foremost radiology meeting. We have resources to help plan your travel, including how to request a letter of invitation from us. Please visit WorldClassCME.com.



WHAT OUR FACULTY SAY

“As a long-time faculty member of NDIS, it is an honor to serve on a panel with Radiology experts, as well as have the opportunity to converse with an amazing and motivated group of course attendees. There is no meeting with closer faculty-attendee interaction.”

Elliot K. Fishman MD

“The National Diagnostic Imaging Symposium faculty enjoy the event so much because we are able to lecture with colleagues who are the elite in their field. It is an honor to see our name on the program next to such powerhouse hitters, all presenting clinically relevant topics.”

Michael J. Ullissey, MD

“Superbly run meeting; all the necessary behind-the-scenes details are perfectly taken care of. There is no “hassle factor.” It’s a pure learning and educational environment.”

Thomas C. Winter III, MD

UPCOMING COURSES

- **Fetal & Women's Imaging 2019
Advanced OB-GYN Ultrasound**
September 6-8, 2019
Marriott Seattle Waterfront
Seattle, Washington
- **Survival Skills for Today's
Gynecologist - Fall 2019**
November 1-3, 2019
Ritz-Carlton®, Pentagon City
Arlington, Virginia
- **Breast Ultrasound with Tom Stavros 2019
Diagnosis, Screening, Staging, Biomarkers &
Niche Applications**
November 7-10, 2019
Ritz-Carlton®, Pentagon City
Arlington, Virginia
- **The Best of the Big Apple
OB-GYN Ultrasound 2019**
November 15-17, 2019
Grand Hyatt New York
New York, New York



- **National Diagnostic Imaging
Symposium 2019**
December 8-12, 2019
Disney's Yacht Club Resort
Lake Buena Vista, Florida
- **Maternal-Fetal Imaging 2020
Advances in OB-GYN Ultrasound with
Guidelines and Practical Tips**
January 17-19, 2020
The Westin Riverwalk
San Antonio, Texas
- **Breast Ultrasound with Tom Stavros
Hot Topics in Advanced Screening
and Diagnosis**
January 17-19, 2020
The Westin Riverwalk
San Antonio, Texas



ABOUT WORLD CLASS CME

World Class CME celebrates its 20th year in 2019. Our physician-founded company remains focused on providing outstanding continuing medical education in the areas of radiology and OB-GYN. J. Timothy Blackwelder, MD, a practicing radiologist, launched World Class CME, recognizing the need for physician input in delivering the highest caliber continuing medical education courses. Twenty years later, World Class CME continues to recruit nationally known faculty and design course offerings for the progressive community physician who desires quality training necessary to achieve superiority in their field. As we continue our mission, our faculty presenters consistently receive superlative evaluations from our participants. Our distinguished faculty includes many AuntMinnie Best Radiology Educator and RSNA® Outstanding Educator award recipients.

**Special
 Room Rate:
 \$260**

National Diagnostic Imaging Symposium

DECEMBER 8-12, 2019

DISNEY'S YACHT CLUB RESORT • LAKE BUENA VISTA, FL

Featuring 45 of the nation's leading speakers plus László Tabár, MD

CONCURRENT SESSIONS

SUNDAY	Chest Radiology	Musculoskeletal Imaging	Breast MRI
MONDAY	Gastrointestinal	Ultrasound Comprehensive Lung Cancer Screening Workshop	Breast Imaging
TUESDAY	Emergency Radiology	Genitourinary	Advanced Topics in Breast László K. Tabár Keynote Lectures (AM) Elizabeth A. Rafferty, MD Lectures (PM)
WEDNESDAY	Neuroradiology	Cardiovascular Radiology (AM) Nuclear Medicine (PM)	Advanced Tomosynthesis Workshop Automated Breast Ultrasound Workshop
THURSDAY	SAM Slam of Hot Topics		Emerging Breast Imaging Technologies Hands-on Workshop