

2019 BREAST ULTRASOUND WITH TOM STAVROS

Diagnosis, Screening, Staging, Biomarkers & Niche Applications



November 7-10, 2019 The Ritz-Carlton® Pentagon City **ARLINGTON, VA**

26.5 AMA PRA Category 1 Credits™

These credits can be used toward ABR MOC Part 2 requirements

5.5 SAMs Credits

These credits can be used toward ABR MOC Part 2 SA-CME requirements

PROGRAM DIRECTOR:

Michael J. Ulissey, MD, FACR

FACULTY:

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FSRU, FRANZCR
Terri-Ann Gizienski, MD, MPH

Daniel Herron, MD
Jocelyn Rapelyea, MD, FSBI
Michael J. Ulissey, MD, FACR



INFORMATION

Welcome Reception with the Faculty

Registrants and their guests are invited to the welcome reception to be held in the exhibit hall on Thursday, November 7 from 5-6 pm. World Class CME wishes to thank Seno Medical Instruments, Inc. for sponsoring this reception.

Course Materials and CME Certificate

You will receive a digital syllabus containing lecture abstracts and slides accompanied by a notebook with lecture objectives and note pages. Your course evaluation and CME certificate will be sent to the email you provide when registering.

Link to Download Lecture Slides

Please look for an email a few days prior to the course dates for a link where you can download the lecture slides to your tablet or computer, or print a syllabus if you wish to have one on hand at the course.

Meals

An expanded continental breakfast, as well as morning and afternoon refreshments, will be provided daily in the exhibit hall.

Exhibits

Screening and diagnostic ultrasound equipment, biopsy device markers, imaging systems, as well as national leaders in medical publishing, will be on site.

Target Audience

Radiologists and radiology residents/fellows, breast surgeons, sonographers, radiology technologists and advanced practitioners who desire to learn, in depth, how to use breast ultrasound in a clinical practice setting for diagnosis, screening and staging of breast disease.



Ritz-Carlton® Pentagon City

On the banks of the Potomac River in Arlington, Virginia, the Ritz-Carlton®, Pentagon City is situated in one of the area's most impressive shopping districts and in close proximity to monuments and museums. Hop on the Pentagon City Metro, located just outside of the hotel and you are only two stops from downtown D.C. Enjoy access to an impressive list of free and fascinating attractions, from the powerful memorials on the National Mall to inspiring cultural treasures like the Smithsonian Institution, National Gallery of Art and our national museums.

Hotel Reservations

A limited number of rooms have been set aside for \$279 per night. Reservations can be made by calling the Ritz-Carlton® at **(800) 422-2410** and identifying yourself as an attendee of the Breast Ultrasound with Tom Stavros conference. The reservation deadline is 5 pm EST October 16, 2019.

We recommend making your reservation in advance as the hotel may sell out prior to the reservation deadline.





This well-received comprehensive course on breast ultrasound, with many new updated lectures on diagnosis, screening, staging, biomarkers and niche applications, is offered in 2019 with Dr. Tom Stavros as lead faculty. In addition to faculty panel discussions with audience participation, there will be numerous case presentations and time set aside for questions and answers. The course includes several in-depth lectures on BI-RADS as well as the always popular breast ultrasound workshops.

FACULTY

FACULTY



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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 26.5 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

American Board of Radiology Maintenance of Certification – 26.5 *AMA PRA Category 1 Credits™* – AMA credits can be used toward ABR MOC Part 2 requirements. 5.5 SAM Credits – SAM credits can be used toward ABR MOC Part 2 SA-CME requirements

Physician Assistants (PA) – AAPA accepts *AMA PRA Category 1 Credit™* for organizations accredited by the ACCME.

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

Sonographers – Category A CE credit is pending approval by the American Society of Radiologic Technologists. The American Registry of Diagnostic Medical Sonographers (ARDMS) accepts all American Society of Radiologic Technologists (ASRT) Category A credits as fulfilling their requirements for continuing education (CE) credits.

This product (service) is not affiliated with or endorsed by Interleco™. ARDMS® and APCA™ are part of the Interleco™ family of certification councils.

Disclosure – World Class CME relies on its CME faculty to provide program content that is evidence-based and free of commercial bias. Therefore, in accordance with ACCME standards, 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.



Breast Ultrasound with Tom Stavros

November 7-10, 2019 | The Ritz-Carlton®, Pentagon City | Arlington, VA

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

Name (Please Print) _____

Facility/Organization _____

Degree _____ Specialty _____

Medical License# _____ State _____

ARRT# _____ ARDMS# _____ Military ID# _____

Address _____

City _____ State _____ Zip _____

Phone _____ Fax _____

E-mail (for confirmation and CME certificate) _____

Registration Fees

Physician	\$1,395
Resident, Retired, Military, VA Physician*	\$1,295
Advanced Practitioner (NP/PA)	\$1,295
Sonographer	\$1,195

*Written certification of status required.

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

Check one: Discover Visa Master Card AMEX

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I Have ADA Needs

Group Registration Discount

Two or more registrations qualify for a 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.

Refunds

A fee of \$75 is charged for cancellations received prior to the course date. Refunds cannot be issued after October 23, 2019.

Please mail this form to: World Class CME, 6201 Fairview Rd Suite 200, Charlotte, NC 28210

PROGRAM

THURSDAY, NOVEMBER 7, 2019

Time	Program	Faculty
7:00	Registration and Breakfast	
7:30	Welcome	Stavros/Ulissey
7:40	Breast Ultrasound – Physics, Equipment, Knobology and Techniques	Stavros
8:30	Breast Ultrasound Anatomy – Basis for Understanding Breast Pathology (SAM)	Stavros
9:30	Questions and Answers	Faculty
9:40	Break and Visit Exhibits	
10:10	Correlating Ultrasound Findings with Mammographic and Clinical Findings	Stavros
10:40	An Update on BI-RADS for Breast Ultrasound (SAM)	Rapelyea
11:25	Ultrasound of Breast Cysts That Are Not Simple – When Should I Worry? (1.5 SAM with above)	Stavros
12:10	Lunch on Your Own	
1:40	Ultrasound of Solid Breast Masses – Finding the Border Between BI-RADS 3 and 4A – Biopsy vs No Biopsy (SAM)	Stavros
2:25	BI-RADS 4 Subcategories – Why We Should be Using Them with Ultrasound (1 SAM with above)	Stavros
2:40	SAM Questions and Answers	Stavros
2:50	Questions and Answers	Faculty
3:00	Break and Visit Exhibits	
3:30	Ultrasound of Solid Breast Masses – Presenting A New Ultrasound Feature Scoring System that Goes Beyond Biopsy vs No Biopsy	Stavros
4:00	Ultrasound of Solid Breast Masses – Results From the New Ultrasound Feature Scoring System	Stavros
4:30	Live Scanning Demonstration in Ballroom	Stavros
5:00	Welcome Reception with Faculty	

Please Bring Your Smartphone to Class Each Day

Program Details May Change

FRIDAY, NOVEMBER 8, 2019

Time	Program	Faculty
7:00	Breakfast	
7:25	Morning Announcements	Ulissey
7:30	Breast Density Legislation (SAM)	Rapelyea
8:00	Analysis of False Negative Ultrasound BI-RADS Assessments (1 SAM with above)	Stavros
8:30	Ultrasound of Solid Breast Masses – Beyond Biopsy vs No Biopsy Interactive Cases Using the New Ultrasound Feature Scoring System	Stavros
9:00	Whole Breast Ultrasound Scanning Techniques and Methods	Herron
9:30	Breast Cancer Screening Using Automated 3D Ultrasound	Rapelyea
10:00	Panel Discussion on Supplemental Ultrasound Screening	Rapelyea/Herron
10:15	Break and Visit Exhibits	
10:45	Ultrasound of Invasive Lobular Carcinoma – A Multi-Modality Approach	Rapelyea
11:15	Ultrasound and Galactography in Evaluation of Nipple Discharge and Intraductal Papillary Lesions	Stavros
12:00	Questions and Answers	Faculty
12:15	Lunch on Your Own	
1:30	Ultrasound of Solid Breast Nodules – Using New Ultrasound Feature Scores as Prognostic Biomarkers (SAM)	Stavros
2:15	Alternatives to Needle Wire Localization (1 SAM with above)	Herron
2:45	Technology on the Horizon – Opto-acoustic Imaging	Ulissey
3:15	Questions and Answers	Faculty

(continued)

FRIDAY, NOVEMBER 8, 2019 (CONT.)

3:25 PM	Break and Visit Exhibits	
3:45 PM	Breast Ultrasound Workshop Demonstrations	Faculty
5:15 PM	Adjourn for the Day	

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Program Details May Change

SATURDAY, NOVEMBER 9, 2019

Time	Program	Faculty
7:00	Breakfast	
7:25	Morning Announcements	Ulissej
7:30	Ultrasound-Guided Breast Biopsy and Other Interventional Procedures	Gizienski
8:15	Ultrasound of Regional Lymph Nodes of the Breast in Patients with Suspicious Breast Masses and How Z0011 May or May Not Affect What We Do	Stavros
9:15	Interactive Case Reading – Ultrasound as a Prognostic Biomarker	Stavros
9:45	Questions and Answers	Faculty
10:00	Break and Visit Exhibits	
10:30	Evaluation and Treatment of Breast Pain	Herron
10:45	Lifestyle Choices to Help Prevent Breast Cancer	Herron
11:00	A “Non-Mass” Lexicon for Ultrasound to Match the “Non-Mass Enhancement” Lexicon of MRI and Make More Sense of Second-Look Ultrasound	Stavros
11:45	Interactive “Non-Mass” Ultrasound Cases	Stavros
12:15	Questions and Answers	Faculty
12:30	Lunch on Your Own	
1:30	Interactive Case Reading – Difficult Cases That Had False Negative Reads	Stavros
2:00	Elastography – Strain and Shear Wave Differences, How to Properly Use Elastography	Stavros
2:30	Ultrasound’s Role in Multi-modality “Staging” of Breast Cancer	Stavros
3:00	Questions and Answers	Faculty
3:10	Break and Visit Exhibits	
3:25	Breast Ultrasound Workshops	Faculty
4:45	Adjourn for the Day	

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Program Details May Change

SUNDAY, NOVEMBER 10, 2019

Time	Program	Faculty
7:00	Breakfast	
7:25	Morning Announcements	Herron
7:30	Ultrasound of Breast Implants	Stavros
8:15	Ultrasound of the Iatrogenically Altered Breast – Man-made Changes	Stavros
8:45	Multi-modality Imaging of the Male Breast	Gizienski
9:15	Radiologic Pathologic Correlation in Breast Ultrasound	Gizienski
9:45	Questions and Answers	Faculty
10:00	Break	
10:15	Ultrasound of Pregnant and Lactating Patients	Rapelyea
10:45	3D Ultrasound – Just Bells and Whistles?	Stavros
11:15	Appropriate and Inappropriate Uses of Color and Power Doppler in the Breast	Stavros
11:45	Questions and Answers	Faculty
12:00	Meeting Adjourns	

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Program Details May Change

UPCOMING COURSES

- **Fetal and Women's Imaging 2019
Advanced OB-GYN Ultrasound**
September 6-9, 2019
Marriott Seattle Waterfront
Seattle, Washington
- **Survival Skills for Today's
Gynecologist - Fall**
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

COURSE OBJECTIVES

Upon completion of this conference, the participant will be able to:

- Understand the differences in pre-test probabilities and guidelines for interpretation between diagnostic, supplemental screening and MRI-directed indications for breast ultrasound and how that affects management and interpretation
- Select the most appropriate ultrasound equipment, machine settings and scan techniques for better diagnostic evaluations
- Understand the anatomic and histopathologic basis for ultrasound appearances
- Correlate areas of clinical, mammographic, screening ultrasound or MRI concern with ultrasound, and understand the anatomic and histopathologic basis for ultrasound appearances
- Identify both mass and non-mass sonographic findings that are suspicious for malignancy, how to use them in classifying breast masses and in staging breast cancers
- Understand a new way of classifying ultrasound features that can aid in more objectively using and achieving ACR PPV benchmarks for BI-RADS 4 subcategories and function better as biomarkers than prior methods of classification
- Identify the few truly suspicious complex cystic and solid masses that require biopsy and distinguish them from the myriad of non-simple breast cysts that are definitively benign
- Understand the roles of ultrasound and galactography in diagnosis and guiding biopsy in patients presenting with nipple discharge
- Recognize the range of normal and abnormal appearances for breast implants
- Enhance ultrasound-guided breast biopsy and interventional skills
- Utilize the new classification system of breast malignancies that is based upon site of origin – within ducts, within TDLUs, or within periductal mesenchymal tissues for better correlation with prognosis
- Understand the appropriate role for supplemental bilateral whole breast ultrasound, as well as other ancillary imaging modalities in women with negative but dense mammograms
- Improve detection and correct classification of small invasive breast cancers while minimizing false positive ultrasound examinations
- Learn how to overcome the headwinds in establishing a supplemental whole breast ultrasound program in women with dense breasts
- Learn to distinguish normal from abnormal regional lymph nodes, determine whether abnormal nodes are more likely metastatic or reactive, and how Z0011 might affect current management of nodes
- Become familiar with a new functional imaging platform called Opto-acoustic Imaging
- Understand the benefits of integrating this new technology into breast ultrasound, so that the radiologist can significantly increase specificity when analyzing a mass, and potentially obviate the need for many breast biopsies





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“Updated to emphasize a new classification system on breast cancer, “non”-mass ultrasound findings, a look at causes of false negative BI-RADS 3 classifications and new ways of classifying breast nodules that can help objectively assign BI-RADS 4 subcategories and improve ultrasound’s ability to serve as a biomarker.”

– Tom Stavros

26.5 CMEs
5.5 SAMs

NOVEMBER 7-10, 2019

**THE RITZ-CARLTON®
PENTAGON CITY
ARLINGTON, VA**

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