The Advanced Thyroid Ultrasound Course is for clinicians who already have experience with examination of thyroid disease and want to go to the next level. The nuances between a variety of thyroid pathologies examined by ultrasound will be covered as well as practical issues related to cytopathology and molecular testing of thyroid nodules. The course will include lateral neck and central neck lymph node assessment. Participants will learn thyroid cancer surveillance with ultrasound as well as treatment intervention (e.g. alcohol ablation) and innovation (e.g. elastography and HIFU laser ablation). Practical hands on skills sessions, with participation of patients who have benign and malignant thyroid pathologies, will complement the didactic learning. Leaders in thyroid ultrasound will provide interactive lectures as well as practical demonstrations and tips during the hands-on component. Space is limited so book early.

Program for ADVANCED Thyroid Ultrasound Course

07:00 - 07:30  Registration and Continental Breakfast
07:30 - 07:40  Welcome and Introduction
07:40 - 08:30  Evaluation of Diffuse Thyroid Disease and Thyroiditis
08:30 - 09:15  Evaluation of Thyroid Nodules
09:15 - 09:45  Ultrasound Guided Thyroid Fine Needle Aspiration (FNA): Techniques
09:45 - 10:00  Practical Issues for On-site Cytopathology
10:00 - 10:15  Coffee Break
10:15 - 10:45  Thyroid FNA: Specimen Preparations and Adequacy
10:45 - 11:20  Thyroid FNA: Cytomorphology, Bethesda Classification and Histologic Correlates
11:20 - 12:00  Molecular Testing in the Evaluation of Thyroid Nodules
12:00 - 13:00  Lunch (Boxed lunch in conjunction with following presentations)
               - Clinical Decision-Making Based on Cytology and Molecular Testing:
                 Case-based faculty panel Q and A session
13:00 - 13:40  Lymph Nodes: Pre-operative Assessment & Postoperative Surveillance in Thyroid Cancer
13:40 - 14:00  Ultrasound of the Central Neck and “Empty” neck
14:00 - 14:30  Interventional Ultrasound: ETOH Ablation
14:30 - 15:00  Innovations in Ultrasound: Elastography and HIFU Laser Ablation
15:00 - 17:00  Lab Practicum and Hands-on Skills Session

FACULTY

Course Chair: Mira Milas MD
Course Faculty (to be confirmed): Anil Ahuja, Zubair Baloch, Dan Duick, Jeremy Freeman, Jill Langer, Susan Mandel, Jamie Mitchell, Lisa Orloff, Sareh Parangi, Greg Randolph, Carl Reading, Russell Smith, Bob Sofferman, David Steward, David Terris, Roberto Valcavi, Ian Witterick, Moshe Yehuda

Course Fees: $1500.00 CAN per person. Space is limited for this hands-on course, to reserve a position, please send your contact information to registration@thyroidworldcongress.com. Further information will be provided in the near future.
COURSE OBJECTIVES

Ultrasound Evaluation of Diffuse Thyroid Disease, and Nodules
• Understand the spectrum of sonographic features of diffuse thyroid disease, thyroiditis, and thyroid nodules
• Demonstrate the utility of ultrasound and Doppler in the evaluation of thyroiditis
• Describe patterns of Hashimoto's thyroiditis and identification of pseudonodules vs. true nodules
• Identify sonographic features associated with thyroid malignancy

Ultrasound Guided FNA Biopsy
• Understand the ATA and AACE guidelines for biopsy
• Recognize the various approaches to FNA and how to modify techniques

Thyroid Cytology, Pathology and Molecular Diagnostic Markers
• Understand the definition of thyroid FNA adequacy
• Understand slide preparation techniques
• Review follicular cell cytology and the Bethesda classification system
• Understand approach to potentially "Indeterminate" nodule at the time of initial FNA, including use of molecular genetic markers

Lymph Nodes: Preoperative Assessment and Postoperative Surveillance in Thyroid Cancer
• Learn to identify characteristics of benign and malignant lymph nodes
• Understand the role of cervical ultrasound in the pre-operative management of thyroid cancer
• Understand the role of ultrasound in the long-term surveillance for recurrence in thyroid cancer
• Recognize the indications of ETOH ablation of metastatic lymph nodes

Lab Practicum
• Perform sonographic imaging of cervical lymph nodes compartments
• Perform FNAB using the sector probe rather than the linear probe, using simulated model
• Demonstrate slide preparation
• Understand basic principles of elastography and laser ablation of thyroid nodules

ACCREDITATION
The American College of Surgeons is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

AMA CREDIT DESIGNATION
Pending.
CME credit is available for the Advanced Thyroid US Course via attendance and also counts towards CME requirements for ECNU. See below for helpful guidance in selecting the course that fits your professional needs.

Who should take the Advanced Thyroid Ultrasound Course?
Clinicians of any specialty who:
• routinely perform thyroid ultrasound and FNA
• are interested to learn more about challenging scenarios requiring US and FNA skills encountered in clinical practice
• participate in the treatment of thyroid cancer patients
• wish to know up-to-date applications of decision-making using cytology and molecular testing of thyroid nodules