AMERICAN INSTITUTE OF ULTRASOUND IN MEDICINE
AND
AMERICAN ASSOCIATION OF CLINICAL ENDOCRINOLOGISTS

Thyroid and Parathyroid Imaging and Update on Thyroid Disorders

August 3–5, 2012
CAESARS PALACE
LAS VEGAS, NEVADA

COURSE CHAIRS
Jill Langer, MD
Daniel Duick, MD

Earn up to 17 AMA PRA Category 1 Credits™
(accepted by the ARDMS)
or ARRT Category A Credits.

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Thyroid and Parathyroid Ultrasound Imaging and Update on Thyroid Disorders

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Friday, August 3, 2012 ......................7:00* AM–5:30 PM
Saturday, August 4, 2012....................7:00* AM–4:00 PM
Sunday, August 5, 2012 ..............7:00* AM–12:00 NOON
*includes time for breakfast

Course Description
This two and half day course will discuss the imaging, and clinical evaluation of thyroid and parathyroid disease. The faculty will discuss the application of neck sonography for evaluation of thyroid and parathyroid pathology and the assessment of the postoperative neck for thyroid cancer recurrence. Current surgical and medical management recommendations for nodular thyroid disease, thyroid carcinoma, and hyperparathyroidism will also be reviewed. Special topics to be discussed include the interpretation of fine needle aspiration results using the Bethesda classification, the diagnosis and management of small thyroid carcinomas, and small residual or recurrent nodal metastases and the role of molecular testing in the management of thyroid nodules with follicular cytology. The course will include a live scanning of patient volunteers with thyroid and parathyroid disease as well as a hands on session where participants will be able to learn how to perform sonographic examination of the neck and receive hands on instruction in the technique of ultrasound-guided fine needle aspiration using phantoms.

Target Audience
This course is designed to meet the needs of endocrinologists, radiologists, sonologists, head and neck surgeons, and other health care professionals with an interest in thyroid and parathyroid disease as assessed by sonography. The course is structured to educate both those with basic sonographic knowledge as well as those with more advanced experience in neck sonography.

Course Objectives
On completion of this course, the participant should be able to:

■ Discuss the sonographic features of thyroid nodules that are most predictive of malignancy and benignity.
■ Describe the sonographic features of abnormal lymph nodes and thyroid cancer recurrence in the neck.
■ Recognize the sonographic features of diffuse thyroid disorders.
■ Discuss the indications, technique, and results of ultrasound-guided fine needle aspiration of the thyroid.
■ Describe the sonographic features and location of abnormally enlarged parathyroid glands.
■ Describe the technique and indications for percutaneous ethanol ablation.
Faculty

Daniel Duick, MD, *Course Chair*
Endocrinology Associates, PA
Clinical Professor of Medicine
College of Medicine
University of Arizona
Phoenix, Arizona

Jill Langer, MD, *Course Chair*
Associate Professor of Radiology and Endocrinology
University of Pennsylvania Medical Center
Philadelphia, Pennsylvania

Zubair Baloch, MD, PhD
Professor of Pathology and Laboratory Medicine
University of Pennsylvania Medical Center
Philadelphia, Pennsylvania

Susan Mandel, MD, MPH
Professor of Medicine and Radiology
Director, Clinical Endocrinology and Diabetes
University of Pennsylvania Health System Division of Endocrinology, Diabetes, and Metabolism
University of Pennsylvania School of Medicine
Philadelphia, Pennsylvania

Mira Milas, MD
Staff Surgeon, Department of Endocrine Surgery
Director, The Thyroid Center
Endocrinology and Metabolism Institute
Associate Professor of Surgery
Cleveland Clinic Lerner College of Medicine
Cleveland, Ohio

Accommodations

**Caesars Palace**
3570 Las Vegas Blvd S
Las Vegas, Nevada 89109 USA
1-866-227-5938

**About the Hotel**
From the moment you walk through the doors of Caesars Palace, you know you’ve arrived at the most prestigious resort in the world. Impeccable service and luxury—all the little details that make the difference between an ordinary visit and a spectacular experience are yours.

**Hotel Reservations**
When making your hotel reservations for Caesars Palace, identify yourself as being with the American Institute of Ultrasound in Medicine Thyroid Course to receive the discounted room rate listed below. Hotel reservations must be made directly with Caesars Palace no later than July 3, 2012.

**Room Rate:** $139 single/double, Forum Tower; check-in: 4:00 PM, check-out 11:00 AM.
Preliminary Schedule

FRIDAY, AUGUST 3, 2012

7:00 AM–7:50 AM  Breakfast
7:50 AM–8:00 AM  Welcome and Housekeeping Notes
8:00 AM–8:45 AM  Nodular Thyroid Disease
  Jill Langer, MD
8:45 AM–9:15 AM  Thyroid Nodule Fine Needle Aspiration
  Daniel Duick, MD
9:15 AM–10:00 AM  Thyroid Fine Needle Aspiration—Specimen, Preparations and Adequacy
  Zubair Baloch, MD, PhD
10:00 AM–10:30 AM  Refreshment Break
10:30 AM–11:15 AM  Thyroid Fine Needle Aspiration: Cytomorphology, Bethesda Classification and Histologic Correlates
  Zubair Baloch, MD, PhD
11:15 AM–12:00 PM  Clinical Decision Making Based on Cytology
  Susan Mandel, MD, MPH
12:00 PM–1:30 PM  Lunch
1:30 PM–2:00 PM  Cervical Lymph Nodes: Anatomic and Sonographic Appearance of Metastases
  Jill Langer, MD
2:00 PM–2:30 PM  Clinical Use of Neck Sonography in Patients with Thyroid Cancer
  Susan Mandel, MD, MPH
3:00 PM–3:30 PM  Thyroidectomy and Nodal Clearance for Thyroid Cancer: How Surgeons Need Ultrasound
  Mira Milas, MD
3:30 PM–4:15 PM  Imaging of the Central Neck and the “Empty” Neck
Mira Milas, MD

4:15 PM–5:30 PM  Panel Discussion — Management of “Minimal” Thyroid Cancer.
Case Discussion of Thyroid Microcarcinomas and Small Volume
Lymph Node Recurrence
(Drs. Duick, Mandel, Milas, and Langer)

SATURDAY, AUGUST 4, 2012

7:00 AM–7:50 AM  Breakfast
7:50 AM–8:00 AM  Housekeeping Notes
8:00 AM–8:30 AM  Parathyroid Surgery: The Role of Ultrasound and Sestamibi Imaging
Mira Milas, MD
8:30 AM–9:00 AM  Diffuse Thyroid Disease
Jill Langer, MD
9:00 AM–9:30 AM  Unusual Thyroid Anatomical Structures and Lesions
Mira Milas, MD
9:30 AM–10:00 AM  Refreshment Break
10:00 AM–12:00 PM  Patient Scanning Demonstration
Daniel Duick, MD
12:00 PM–1:30 PM  Lunch
1:30 PM–2:15 PM  Percutaneous Alcohol Ablation
Daniel Duick, MD
2:15 PM–2:45 PM  The Practice of Thyroid Fine Needle Aspiration Cytology in the
Molecular Age
Zubair Baloch, MD, PhD
2:45 PM–4:00 PM  Panel Discussion—Follicular Cytology: How Has Molecular Testing
Influenced Management?
Moderator: Daniel Duick, MD
Panelists: Baloch, Mandel, and Milas

SUNDAY, AUGUST 5, 2012

7:00 AM–7:50 AM  Breakfast
7:50 AM–8:00 AM  Welcome and Housekeeping Notes
8:00 AM–8:45 AM  Logistics of Developing Office-based Thyroid and Parathyroid
Ultrasound
Mira Milas, MD
8:45 AM–9:30 AM  Neck Sonography and Fine Needle Aspiration—Practical Issues
in the Performance of Neck Sonography and Fine Needle Aspiration
Jill Langer, MD and Susan Mandel, MD, MPH
9:30 AM–12:00 PM  Hands-on Practicum: Hands-on Instruction of Neck Sonography,
Fine Needle Aspiration on Phantoms, Fine Needle Aspiration
Smear Technique
12:00 PM  Adjournment
Continuing Medical Education (CME) Information

Activity Description
This Thyroid and Parathyroid Ultrasound Imaging and Update on Thyroid Disorders course will be an essential experience for all physicians and other health care professionals with an interest in thyroid and parathyroid disease as assessed by sonography.

Accreditation Statement
The American Institute of Ultrasound in Medicine (AIUM) is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide CME activities for physicians.

Designation Statement
Thyroid and Parathyroid Ultrasound Imaging and Update on Thyroid Disorders is designated for a maximum of 17 AMA PRA Category 1 Credits™ (accepted by the ARDMS) or ARRT Category A Credits. Physicians should claim only those credits commensurate with the extent of their participation in the activity.

Credit for Sonographers
Sonographers participating in AIUM educational activities may earn credits toward maintaining their professional certification from the following organizations:

- American Registry for Diagnostic Medical Sonography (ARDMS)—The ARDMS accepts AMA PRA Category 1 Credits™
- American Registry of Radiologic Technologists (ARRT)—The AIUM is a Recognized Continuing Education Evaluation Mechanism (RCEEM) for the American Registry of Radiologic Technologist (ARRT). These educational activities are approved by the AIUM for ARRT Category A Credits.

Activity Designed to Change:
Competence; Performance

ACGME Competencies:
This course is designed to meet one or more of the following Accreditation Council for Graduate Medical Education competencies:

- Patient Care and Procedural Skills, Medical Knowledge, Practice Based Learning and Improvement and Interpersonal and Communication Skills

Disclosure Policy
As a provider accredited by the ACCME, the AIUM must ensure balance, independence, objectivity and scientific rigor in all its activities. Anyone involved in planning this CME activity are required to disclose to learners any relevant financial relationship(s) that have occurred within the last 12 months with any commercial interest(s) whose products or services are discussed in the CME content. Such relationships are defined by remuneration in any amount from the commercial interest(s) in the form of grants; research support; consulting fees; salary; ownership interest (e.g., stocks, stock options, or ownership interest excluding diversified mutual funds); honoraria or other payments for participation in speakers’ bureaus, advisory boards, or boards of directors; or other financial benefits. Individuals involved in planning will be asked to recuse themselves from any portion of the planning where a bias might exist. All faculty participating in an educational activity provided by the AIUM is required to disclose to the provider and to the learner any relevant financial relationships with any commercial interest. The AIUM must determine if the faculty’s relationships may influence the educational content with regard to exposition or conclusion and resolve any conflicts of interest prior to the commencement of the educational activity. The intent of this disclosure is not to prevent faculty with relevant financial relationships from serving as faculty, but rather to provide members of the audience with information on which they can make their own judgments.

The AIUM will review all disclosures and resolve or manage all identified conflicts of interest, as applicable.

Policy on Unlabeled/Off-Label Usage
The AIUM has determined that disclosure of unlabeled/off-label or investigational use of commercial product(s) is informative for audiences and therefore requires this information to be disclosed to the learners at the beginning of the presentation. Uses of specific therapeutic agents, devices, and other products discussed in this educational activity may not be the same as those indicated in product labeling approved by the Food and Drug Administration (FDA). The AIUM requires that any discussions of such “off-label” use be based on scientific research that conforms to generally accepted standards of experimental design, data collection, and data analysis. Before recommending or prescribing any therapeutic agent or device, learners should review the complete prescribing information, including indications, contraindications, warnings, precautions, and adverse events.

Disclaimer
The information presented in this activity represents the opinion of the faculty and is not necessarily the official position of the AIUM.

Documenting CME Credits
The AIUM provides CME certificates to those who have participated in an AIUM educational activity. The AIUM does not submit credits to regulation bodies or certifying organizations on behalf of the participant. It is the participant’s responsibility to submit proof of credits on his or her own behalf.

Disclosures for this Activity
The faculty, committee members, and AIUM staff involved in planning this CME activity have completed a Disclosure of Financial Relationship. Disclosures will be listed under the speaker’s name in the course syllabus. All completed disclosure forms are on file and available for review at the AIUM office.

QUESTIONS? CALL THE AIUM AT 800-638-5352 OR 301-498-4100
Thyroid and Parathyroid Ultrasound Imaging and Update on Thyroid Disorders
August 3–5, 2012

Please type or print
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- Exhibit | $700
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- Course Syllabus Support | $1000
  Includes company logo and link on the course website and 1x use of the attendee mailing list*.
  Syllabus Formats: If printed, the company logo and URL will be featured on the inside cover. If provided
  on a flash drive, the company logo and link will be displayed on the opening page of the program.

- Educational Grant | minimum $3000
  Includes company logo and link on the course website, complimentary exhibit space, and 2x use
  of the attendee mailing list*.
  Unrestricted Educational Grants are applied to the overall development and promotion of the course.
  *Mailing must be preapproved by AIUM. Exhibitor will assume responsibility for their property at all times.

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Return to:
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Thank you for your support!