



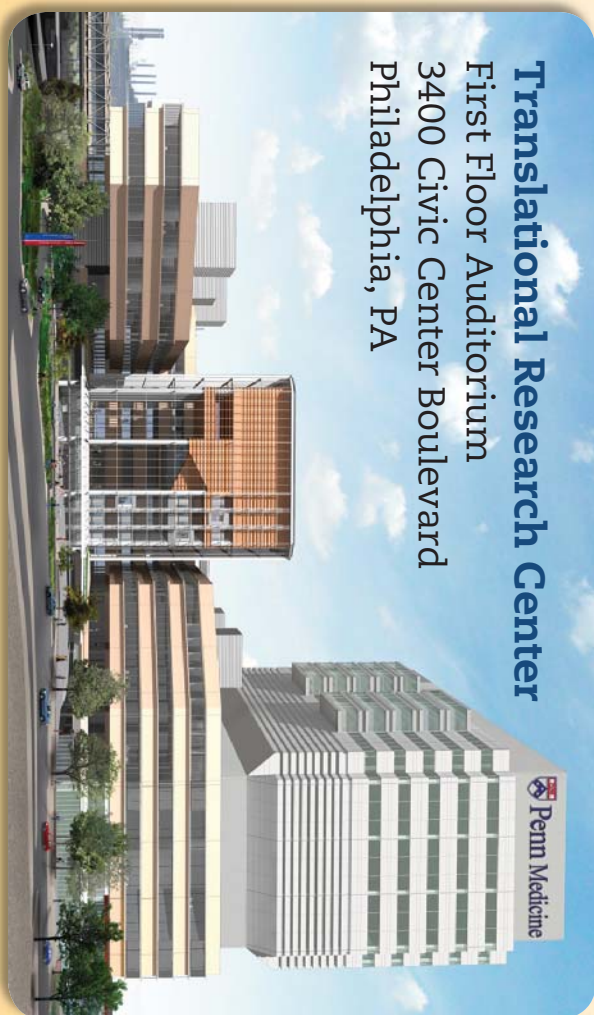
# HANDS-ON COURSE IN THYROID AND PARATHYROID ULTRASOUND IMAGING

A Multidisciplinary Approach

CME-CERTIFIED COURSE

**Saturday, May 7, 2011**  
**7:15AM - 5:15PM**

**Translational Research Center**  
First Floor Auditorium  
3400 Civic Center Boulevard, Philadelphia, PA



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Presented by  
**Abramson Cancer Center**  
**Penn Medicine**

CME-CERTIFIED COURSE

# HANDS-ON COURSE IN THYROID AND PARATHYROID ULTRASOUND IMAGING

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## AGENDA

7:15AM - 7:45AM  
**Registration & Continental Breakfast**

7:45AM - 7:50AM  
**Welcome & Introduction**  
Susan J. Mandel, MD, MPH  
Joseph R. Carver, MD

7:50AM - 8:30AM  
**Nodular Thyroid Disease**  
Jill E. Langer, MD

8:30AM - 8:50AM  
**Diffuse Thyroid Disease**  
Jill E. Langer, MD

8:50AM - 9:15AM  
**Thyroid Fine-Needle Aspiration**  
Susan J. Mandel, MD, MPH

9:15AM - 9:35AM  
**Coffee Break**

9:35AM - 10:15AM  
**Thyroid Fine-Needle Aspiration Cytology: Current Classification and What's New**  
Zubair W. Baloch, MD, PhD

10:15AM - 11:05AM  
**Metastatic Cervical Lymph Nodes in Patients with Thyroid Cancer: Why They Matter and How to Find Them**  
Susan J. Mandel, MD, MPH

11:05AM - 11:25AM  
**Using Ultrasound to Optimize Reoperation in Thyroid Cancer**  
Ara A. Chalian, MD, FACS

11:25AM - 11:45AM  
**Parathyroid Imaging**  
Jill E. Langer, MD

11:45AM - 12:45PM  
**Lunch**

12:45PM - 1:00PM  
**Optimizing Parathyroid Surgery**  
Douglas L. Fraker, MD, FACS

1:00PM - 2:00PM  
**Panel Discussion: Thyroid Micronodules and Thyroid Cancer**  
Moderator:  
Susan J. Mandel, MD, MPH  
Panel:  
Jill E. Langer, MD  
Rachel Rapaport Kelz, MD, MSCE, FACS  
Kolin Hoff, MD

**TWO CONCURRENT REPEATING SESSIONS WITH PRECEPTORS**  
(Sessions limited to 50 people)

**FIRST SESSION**  
2:00PM - 3:30PM  
**Translational Research Center Auditorium**

- Optimizing the Settings on Your Ultrasound (20 minutes)
- Patient Case Demonstrations of Metastatic Thyroid Cancer Lymph Nodes and Parathyroid Adenomas

2:00PM - 3:30PM  
**4th Floor Endocrine Clinic**

- Hands-on Ultrasound Workshop

- Cytology Slide Preparation with On-site Evaluation
- Ultrasound Technique for Either Diagnostic Thyroid Evaluation or Evaluation of the Post-operative Neck
- Ultrasound Fine-needle Aspiration Biopsy Technique

3:30PM - 3:45PM  
**Break**

**SECOND SESSION**  
3:45PM - 5:15PM  
**(SAME AS ABOVE)**

5:15PM  
**Evaluation & Adjourn**

## Course Overview

This multidisciplinary, one-day course will discuss the imaging and clinical evaluation of thyroid and parathyroid disease. Faculty will discuss the application of neck sonography for evaluation of the thyroid and parathyroid pathology and the assessment of the post operative 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, the management of small thyroid carcinomas and the surgical approach for hyperparathyroidism. The course will include live scanning of patient volunteers with thyroid and parathyroid disease by our faculty. Small group sessions will provide hands-on training in the performance of neck sonography, ultrasound-guided FNA technique and cytology slide preparation of FNA specimens.

## Course Objectives

Upon completion of this course, the participant should be able to:

- 1) Discuss the sonographic features of thyroid nodules that are most predictive of malignancy and benignity
- 2) Describe the sonographic features of abnormal lymph nodes and thyroid cancer recurrence in the neck
- 3) Identify sonographic features of diffuse thyroid disorders using ultrasound
- 4) Effectively use, and assess the results of, neck sonography and ultrasound-guided FNA of the lymph nodes to diagnose recurrent thyroid cancer
- 5) Describe the sonographic features and location of abnormally enlarged parathyroid glands
- 6) Differentiate among surgical approaches to metastatic thyroid cancer and hyperparathyroidism

## Who Should Attend

This course is designed to meet the need 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.

## Penn Faculty COURSE CO-CHAIRS

**Susan J. Mandel, MD, MPH**  
Professor of Medicine and Radiology  
Director of Clinical Endocrinology  
and Diabetes

**Jill E. Langer, MD**  
Associate Professor of Radiology

## COURSE FACULTY

**Zubair W. Baloch, MD, PhD**  
Professor of Pathology  
and Laboratory Medicine

**Ara A. Chalian, MD, FACS**  
Associate Professor of Otorhinolaryngology  
– Head and Neck Surgery  
Director of Facial, Plastic  
& Reconstructive Surgery

**Douglas L. Fraker, MD, FACS**  
Jonathan E. Rhoads Associate Professor  
of Surgery (Surgical Oncology)  
Chief, Division of Endocrine  
& Oncologic Surgery

**Kolin Hoff, MD**  
Assistant Professor of Clinical Medicine

**Rachel Rapaport Kelz, MD, MSCE, FACS**  
Assistant Professor of Surgery  
Director of Undergraduate Medical Education

## COURSE PRECEPTORS

**Kolin Hoff, MD**  
Assistant Professor of Clinical Medicine

**Steven C. Horii, MD, FACR, FSIIM**  
Professor of Radiology

**Lisa Jones, MD, PhD**  
Assistant Professor of Radiology

**Caroline Kim, MD**  
Assistant Professor of Clinical Medicine

**Steven B. Nagelberg, MD**  
Clinical Professor of Medicine  
Drexel University College of Medicine

**B. Gabriel Smolarz, MD, MS, ECNU**  
Endocrinologist  
Princeton Medical Group

## Hosting Institution

This course is a continuing medical education service of the University of Pennsylvania School of Medicine, Office of Continuing Medical Education in conjunction with the Abramson Cancer Center of the University of Pennsylvania.

## Accreditation

The University of Pennsylvania School of Medicine is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

## Designation of Credit

The University of Pennsylvania School of Medicine designates this education activity for a maximum of 8 AMA PRA Category 1 Credits™. Physicians should only claim credit commensurate with the extent of their participation in the activity.

## Disclosures

The University of Pennsylvania School of Medicine, Office of Continuing Medical Education, adheres to the ACCME Standards for Commercial Support. Faculty disclosure information will be made available in the conference materials and syllabi. Faculty members are also expected to disclose to participants any discussion of off-label and/or investigational use of pharmaceutical products or devices within their presentations.

## Registration

The registration fee for practicing physicians is \$325.00; \$170.00 for faculty and staff of the University of Pennsylvania and Children's Hospital of Philadelphia; and \$90.00 for residents/fellows and other healthcare professionals.

Registration forms may be faxed to 215-614-0945, completed on-line at <http://www.oncolink.org/conference/thyroid> or mailed to Mary Graham, Abramson Cancer Center of the University of Pennsylvania,

3400 Spruce Street, 1603 Penn Tower,  
Philadelphia, PA 19104.

## Location, Directions & Parking

The Translational Research Center Auditorium is located at 3400 Civic Center Boulevard, Philadelphia, Pennsylvania. For directions to TRC please go to <http://www.facilities.upenn.edu/map.php?id=218&t=1>. Parking is available in the Penn Tower Garage, 34th & Convention Avenue; the fee is \$19.00.

## E-Syllabus Available

The timing for receipt of presentations for inclusion within the printed syllabus often necessitated the inclusion of preliminary slide presentations that were subject to change prior to the event. To provide the participants with the most current slides, and, as part of the growing "green initiative", the printed syllabus will not contain the slide presentations. Presentation materials will be available electronically during the meeting; we encourage you to bring your laptop. Attendees will receive an active link with instructions on how to access the presentations from our Website for downloading and future printing.

## Hotel Accommodations

A block of rooms have been secured for Friday, May 6, 2011 at The Inn at Penn, 3600 Sansom Street in University City — a few blocks from the conference location. To receive the discounted rate of \$229, plus tax for single occupancy, please make your reservation no later than Wednesday, April 20, 2011 by calling 1-800-HILTONS, using code HAN.

## Cancellation Policy

The University reserves the right to cancel or postpone any course due to unforeseen circumstances. In the event of cancellation or postponement, the University will notify all pre-registrants but is not responsible for any related costs or expenses to participants, including cancellation fees assessed by hotels, airlines and travel agencies. If cancellation is necessary, please contact Mary Graham in writing by **April 22, 2011**.

## Services for the Disabled

If special arrangements are required for an individual with a disability to attend this meeting, please contact Mary Graham at (215) 662-7328 no later than Wednesday, April 22, 2011.

## Nondiscrimination Statement

The University of Pennsylvania values diversity and seeks talented students, faculty and staff from diverse backgrounds. The University of Pennsylvania does not discriminate on the basis of race, sex, sexual orientation, religion, gender identity, color, national or ethnic origin, age, disability, or status as a Vietnam Era Veteran or disabled veteran in the administration of educational policies, programs or activities; admissions policies; scholarship and loan awards; athletic, or other University administered programs or employment. Questions or complaints regarding this policy should be directed to: Executive Director, Office of Affirmative Action and Equal Opportunity Programs, 3600 Chestnut Street, Samson Place East, Suite 228, Philadelphia, PA 19104-6106 or 215-898-6993 (Voice) or 215-898-7803 (TDD).

# REGISTRATION FORM

# Hands-On Course in Thyroid and Parathyroid Ultrasound Imaging Saturday, May 7, 2011

Please print or type:

FIRST NAME

ACADEMIC DEGREE

AFFILIATION

ADDRESS

CITY

PHONE

LAST NAME

SPECIALTY

E-MAIL

STATE

ZIP

FAX

- \$325 – Practicing Physicians  
 \$170 – PENN/CHOP Faculty  
 \$90 – Residents / Fellows and other healthcare professionals

Are you performing thyroid ultrasound on a regular basis?

- Yes  No

Mail or fax registration to:

Mary Graham  
**Abramson Cancer Center of  
the University of Pennsylvania**  
3400 Spruce St. - 1603 Penn Tower  
Philadelphia, PA 19104-4283

Fax to **215-614-0945** or you can  
register online at  
<http://www.oncolink.org/conference/thyroid>