2010 Ernest L. Mazzaferri Thyroid Cancer Conference
Thyroid Cancer from Predisposition to Therapy: A Bench to Bedside Symposium
Friday, Nov. 19, 2010
The Ohio State University, Columbus, OH

Agenda

7:15 a.m.          Registration and Continental Breakfast

8 a.m.             Opening Remarks and Introductions
                    Matthew Ringel, MD, Course Director

SESSION ONE
DEFINING PATHWAYS OF THYROID CANCER:
PREDISPOSITION, DEVELOPMENT AND PROGRESSION
Session Chair: Matthew Ringel, MD, Course Director

New Advances in Defining Signaling Pathways in Thyroid Cancer
Formation, Progression and Therapeutic Responses

8:10 a.m.          Defining Pathways of Thyroid Cancer Development Using Mouse Models
                    Antonio Di Cristofano, PhD
                    Associate Professor of Developmental and Molecular Biology
                    Albert Einstein College of Medicine

9 a.m.              Regulation of Radioiodine Accumulation in Thyroid Cancer: Translational
                    Preclinical Studies
                    Sissy Jhiang, PhD
                    Professor of Physiology and Cell Biology
                    The Ohio State University

9:40 a.m.           Defining New Therapeutic Targets and Predictive Markers for Progressive
                    Thyroid Cancer
                    Matthew Ringel, MD
                    Professor of Endocrinology, Diabetes, and Metabolism and Medical Oncology
                    Co-Director, The Ohio State University Thyroid Cancer Unit
                    The Ohio State University

10:15 a.m.          Mid-Morning Break
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Genetics of Inherited Thyroid Cancer and Thyroid Cancer Molecular Diagnostics

10:30 a.m. Genetic Predisposition for Papillary Thyroid Cancer
Albert de la Chapelle, MD, PhD
Professor of Molecular Virology, Immunology, and Medical Genetics
The Ohio State University

11:10 a.m. Thyroid Nodules: Practical and Molecular Approaches to a Common Problem
Bryan Haugen, MD
Professor of Medicine and Pathology
Head of Division of Endocrinology, Metabolism and Diabetes
Mary Rossick Kern and Jerome H. Kern Chair in Endocrine Neoplasms Research
University of Colorado

12 p.m. Lunch with the Professor

1. Updating Thyroid Cytopathology: The Bethesda Classification
Paul Wakely, MD
Professor of Pathology
The Ohio State University

2. Intraoperative Imaging in Recurrent Thyroid Cancer Surgery
Amit Agrawal, MD
Assistant Professor of Otolaryngology
The Ohio State University

3. Ultrasound Techniques in Detection and Management of Recurrent or Residual Thyroid Cancer
Jennifer Sipos, MD
Assistant Professor of Endocrinology, Diabetes and Metabolism
The Ohio State University

4. Comparative Pathobiology of in vivo Thyroid Cancer Models
Krista La Perle, DVM, PhD
Associate Professor of Veterinary Biosciences
The Ohio State University

5. PET/CT Imaging in Detecting Thyroid Cancer at Diagnosis and During Follow Up
Nathan Hall, MD
Assistant Director of Radiology
The Ohio State University
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**SESSION TWO**  
**THYROID CANCER MANAGEMENT**  
Session Chair: Richard Kloos, MD, Course Director

*Current Concepts in the Management of Differentiated and Medullary Thyroid Cancer*

1:10 p.m.  
**Welcome Back**

1:15 p.m.  
**ATA Guidelines for Differentiated Thyroid Cancer: Approach to Initial Management with Surgery and I-131 Therapy**  
Ernest Mazzaferri, MD, MACP  
Professor of Endocrinology, Diabetes and Metabolism  
University of Florida

2:05 p.m.  
**ATA Guidelines for Medullary Thyroid Cancer: Approach to Initial Management of Sporadic and Inherited Disease**  
Richard Kloos, MD  
Professor of Endocrinology, Diabetes, and Metabolism and Nuclear Medicine  
Co-Director, The Ohio State University Thyroid Cancer Unit  
The Ohio State University

2:45 p.m.  
**Case-based Panel Discussion: Controversies in Thyroid Cancer Surgery for Residual/Recurrent Differentiated and Medullary Thyroid Cancer**

*Moderator:*  
Jennifer Sipos, MD  

*Panelists:*  
William Farrar, MD  
Director of the Division of Surgical Oncology  
Professor of Surgery  
The Ohio State University

John Phay, MD  
Associate Professor of Surgical Oncology  
The Ohio State University

Ted Teknos, MD  
Director of Head and Neck Oncologic Surgery  
Professor of Otolaryngology  
The Ohio State University
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3:25 p.m.    Afternoon Break

**Management of Radioiodine Refractory Thyroid Cancer**

3:35 p.m.    Selection of Thyroid Cancer Patients for Clinical Trials:
              Who and When to Refer?
              R. Michael Tuttle, MD
              Professor of Medicine
              Memorial Sloan-Kettering Cancer Center

4:25 p.m.    Thyroid Cancer Clinical Trials: Current Status and Future Directions
              Manisha Shah, MD
              Associate Professor of Medical Oncology
              The Ohio State University

5 p.m.       Conclusion, Evaluation and Adjourn