Fifth Annual Pacific Northwest Head and Neck Cancer Symposium:

**Thyroid and Parathyroid Disease — A Practical Approach**

*Friday, April 10, 2015*

Education and Conference Center
Swedish Cherry Hill
500 17th Ave.
Seattle, Wash.

Co-sponsored by Seattle Cancer Care Alliance, Swedish Cancer Institute and UW Medicine
Needs statement
Thyroid cancer is the most rapidly increasing cancer diagnosis in the U.S. At the same time, recognition of primary hyperparathyroidism is increasing in an aging population.

Each year significant research is conducted on thyroid cancer and parathyroid disease to determine the causes, preventive measures and best ways to improve treatment. These advances in diagnostic modalities and treatment strategies are often slow to reach clinicians who manage these complex patients, creating a need for more regional learning opportunities and updates with experts.

Particularly, new advances have made ultrasounds and genetic testing very useful in detecting and treating thyroid cancers and parathyroid disease, and yet these options are not often used.

Disorders of the thyroid and parathyroid glands are frequently diagnosed, treated and managed by physicians from multiple specialties working in concert with primary care clinicians. This contributes to the difficulty of providing comprehensive, consistent care to patients throughout the duration of their treatment. The volume of patients managed by these clinicians varies greatly, as does the acuity and complexity of the diseases they manage, further adding to the complications of treating this disease. All specialists in the management of thyroid cancer and parathyroid disease need up-to-date information in order to provide comprehensive and consistent care for their patients.

Course description
This symposium will bring up-to-date scientific information to clinicians who care for patients with thyroid cancer and parathyroid disease. A multidisciplinary panel of experts will discuss the most recent clinical innovations in their respective fields and expose attendees to new concepts and management protocols.

Sessions will cover the proper use of diagnostic techniques, common surgical challenges, new strategies for managing recurrent and advanced thyroid cancer, and integration of head and neck ultrasound into office practice through a live, practical demonstration.

Participants will be able to apply the newly acquired knowledge, new diagnostic modalities and optimized treatment strategies to maximize benefits to patients with thyroid cancer and parathyroid disease.

Intended audience
This conference is targeted to Pacific Northwest health care professionals, specifically physicians, allied health professionals and residents who treat patients with disorders of the thyroid and parathyroid glands. It will be particularly relevant for those specializing in otolaryngology, head and neck surgery, endocrinology, oncology, general surgery, primary care, family medicine and nephrology.

Location
Swedish Medical Center Cherry Hill is located at 500 17th Ave., Seattle, Wash. The conference will be held in the Swedish Education and Conference Center on the first floor of the James Tower. Parking is available in the garage on 16th Avenue between Cherry and Jefferson at a maximum fee of $16.50.

From I-5 (northbound and southbound), take the James Street exit. Travel east on James Street. James will become Cherry Street. Turn right (south) on 16th Avenue. Turn right into the main garage entrance.

Agenda
7:20 a.m.  Registration and Continental Breakfast
7:50 a.m.  Welcome and Introductions

Section 1: Surgical Challenges
8 a.m.  Keynote 1: A Lifetime of Challenges — Clinic Evaluation and Surgical Planning
Robert A. Sofferman, M.D.
8:45 a.m.  Management of the Neck in Thyroid Cancer
Joseph C. Sniezzek, M.D., FACS
9:10 a.m.  Surgical Considerations in the Management of Patients with Goiters
David R. Byrd, M.D., FACS
9:35 a.m.  Surgical Complication Management: Minimizing Hospital Stay
Marc D. Coltrera, M.D., FACS
10 a.m.  Surgical Challenges Panel
Moderator: Marc D. Coltrera, M.D., FACS
Panel: David R. Byrd, M.D., FACS; Joseph C. Sniezzek, M.D., FACS; Robert Sofferman, M.D.
10:15 a.m.  Break

Section 2: Pre-op and Post-op Decision Making
10:30 a.m.  Thyroid Cytology and Molecular Analysis
Nuria Perez-Reyes, M.D.
10:55 a.m.  Molecular Testing in Thyroid Disease
Mara Roth, M.D.
11:20 a.m.  Non-Malignant Thyroid Conditions: The Endocrinologist and the Surgeon
Matthew D. Davies, M.D., Ph.D.
11:45 a.m.  The Current Case for Radioactive Iodine
R. Michael Tuttle, M.D.
12:10 p.m.  Lunch

Section 3: The Good, the Bad, the Ugly: Risk Stratification
1 p.m.  Keynote 2: Risk Stratification Over Time
R. Michael Tuttle, M.D.
1:45 p.m.  Treating Recurrent Thyroid Cancer
Marc D. Coltrera, M.D., FACS
2:10 p.m.  Update on Systemic Therapy for Advanced Thyroid Cancers
R. Michael Tuttle, M.D.
2:35 p.m.  Medical Decision Making Panel
Moderator: Joseph C. Sniezzek, M.D., FACS
Panel: R. Michael Tuttle, M.D.; Nuria Perez-Reyes, M.D.; Cristina Rodriguez, M.D.; Mara Roth, M.D.; Matthew D. Davies, M.D., Ph.D.
3 p.m.  Break

Section 4: Ultrasound in the Clinic and the OR
3:15 p.m.  Use of Ultrasound in Parathyroid Exploration
Joseph C. Sniezzek, M.D., FACS
3:35 p.m.  Ultrasound in the Endocrinology Practice
R. Michael Tuttle, M.D.
3:55 p.m.  Ultrasound in the Head and Neck Surgical Practice
Robert A. Sofferman, M.D.
4:15 p.m.  Ultrasound Demonstration and Discussion
Moderator: Joseph C. Sniezzek, M.D., FACS
Panel: Marc Coltrera, M.D., FACS; Robert Sofferman, M.D.; R. Michael Tuttle, M.D.
4:35 p.m.  Adjourn
Course objectives
At the conclusion of this symposium, the participant will be able to provide better patient care through an increased ability to:

- Create a diagnostic plan through appropriate history, physical examination and sonographic imaging; compare the inherent challenges in removing small versus large thyroid tumors residing above and below the sternum
- Describe the incidence and implications of cervical metastasis of thyroid cancer; use current imaging and diagnostic modalities for cervical metastasis of thyroid cancer; and discuss a treatment algorithm for managing neck disease in thyroid cancer
- Identify the indications for surgical treatment of goiters; indicate the frequency of cancer diagnoses in goiters; and review the technical aspects of safe surgery for goiters
- Review common surgical complications of thyroid surgery; explain the management of calcium in the post-op patient; and recognize the risk management involved in minimizing hospital stays
- Discuss thyroid surgical challenges and questions with an expert panel
- Review Bethesda System for reporting thyroid FNAs; discuss helpful tips to decrease nondiagnostic results; and define cytologic criteria for reflex molecular testing
- Identify the current indications for genetic testing in thyroid disease; examine the potential role and interpretation of molecular testing in the diagnosis and treatment of thyroid nodules; and assess the current limitations and costs of molecular testing for thyroid cancer
- Describe a diagnostic approach to characterizing non-malignant thyroid disease; apply treatment options for non-malignant thyroid disease; and review features of a good working relationship between an endocrinologist and a surgeon
- Identify indications for radioactive iodine (RAI) ablation; describe RAI as an adjuvant therapy; and recognize the role of RAI in distant metastases
- Describe initial risk stratification; explain dynamic risk assessment; and demonstrate how risk stratification should guide initial and ongoing management
- Describe common recurrence scenarios for thyroid conditions; compare risks and benefits of re-exploration surgery; and discuss the shared goals of the endocrinologist and the surgeon
- Define the goals of systemic therapy in advanced thyroid cancer; and identify pathways of relevance in targeted therapy for thyroid cancer
- Review medical decisions and risk stratification with a panel of experts
- Assess the appearance of parathyroid abnormalities on ultrasound; state the role of preoperative ultrasound in managing parathyroid disease; and discuss the role of intraoperative ultrasound in parathyroid disease
- Review ATA pattern recognition recommendation; review the rate of ultrasound undetection of disease recurrence; and examine risk and appropriate use of ultrasound
- State the importance of considering “ultrasound first” prior to cross-sectional imaging of most conditions of the head and neck; and recognize the value of surgeon-performed ultrasound for visual diagnosis, sampling and longitudinal follow-up
- Apply techniques for the use of ultrasound in surgical and endocrinology practices; and discuss ultrasound set-up, complications and billing procedures

Accreditation with commendation
Swedish Medical Center is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

AMA PRA credits
Swedish Medical Center designates this live activity for a maximum of 7.25 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

AAFP prescribed credits
Application for CME credit has been filed with the American Academy of Family Physicians. Determination of credit is pending.

Acknowledgments
This symposium is financially supported in part by educational grants in accordance with ACCME's Standards for Commercial Support. At the time of this printing, a complete listing of commercial supporters was not available. Appropriate acknowledgment will be given to all supporters at the time of the symposium.
Registration information: Pre-registration is required as space is limited. Participants who register by the advance registration deadline will receive a confirmation postcard after Monday, March 30. Registrations will only be processed when accompanied by full payment.

If using the registration form, please mail or fax it to:
Continuing Medical Education
Swedish Medical Center
747 Broadway
Seattle, WA 98122
Fax: 206-320-7462

Cancellation: To receive a refund, notice of cancellation must be received no later than Friday, April 3.

Please note: No registrations are accepted by phone or email.

If you have special needs, please contact the CME office at 206-386-2755.

Registration fees: The fee for this course includes catering, all instruction materials, online syllabus access and a certificate of AMA PRA Category 1 Credits.

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