The Human Papillomavirus Discussion: The Latest Data and How to Counsel Patients
Richard V. Smith, Samir S. Khariwala, Kelly M. Malloy, Michael G. Moore and Benoit J. Gosselin
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What is This?
well as the factors critical in treatment planning will be outlined. The entities reviewed will include fine-needle aspiration for thyroid nodules, surveillance of patients with welldifferentiated thyroid cancer, and evaluation and decision for surgery in hyperparathyroidism.

**Educational Objectives:**
(1) Describe the appropriate use of fine-needle aspiration biopsy with a focus on implementing the use of molecular markers into the diagnostic evaluation.
(2) Explain the indications for adjuvant radioactive iodine therapy in patients with low-, intermediate-, and high-risk well-differentiated thyroid cancer.
(3) Implement a cost-effective approach to preoperative imaging in a patient with primary and recurrent hyperparathyroidism.

**Contemporary Update on Endoscopic Skull Base Surgery: Technique, Outcomes, and Quality of Life**
Ivan H. El-Sayed, MD (moderator); Ehab Y. N. Hanna, MD; Carl H. Snyderman, MD; Michael E. Kupferman, MD; Marc Rosen, MD; Anand K. Devaiah, MD; Ziv Gil, MD, PhD

**Program Description:** Endoscopic approaches to the skull base are being used with increasing frequency in tertiary care centers and in community settings. This miniseminar aims to clarify the current status of endoscopic skull base surgery. The evolving trends have led to controversies regarding the extent of endoscopic resections and utilization for malignancies. The panelists will review surgical techniques, contemporary surgical outcomes for paranasal sinus and sphenoid clival cancers, disease-specific approaches, and quality of life after endoscopic surgery.

**Educational Objectives:**
(1) Recognize the role of endoscopic surgery in the management of skull base malignancies.
(2) Describe the technical aspects of expanded endonasal surgical approaches to skull base tumors.
(3) Assess the impact of endoscopic surgery on quality of life for skull base tumors.

**Controversies in Robotic Surgery**
Eric M. Genden, MD (moderator); Eric J. Moore, MD; David P. Pfister, MD; Margaret Brandwein-Gensler, MD; Brian O'Sullivan, MD

**Program Description:** Transoral robotic surgery (TORS) has become a popular approach for management of oropharyngeal carcinoma. The miniseminar will be organized as a tumor board panel staffed with a head and neck surgeon, radiation oncologist, medical oncologist, and pathologist. Two cases will be presented to highlight 3 controversial topics:
(1) What are acceptable surgical margins and does human papillomavirus (HPV) status affect margin status?
(2) Following TORS with negative margins, does the primary site require radiotherapy and does HPV status affect that decision?
(3) How do “poor prognostic factors” affect decisions regarding adjuvant therapy, radiation dose, and treatment fields?

**Educational Objectives:**
(1) Differentiate the pathologic characters of HPV-positive and HPV-negative tumors and demonstrate how this finding affects treatment margins.
(2) Explain the indication for treating the primary site after TORS resection.
(3) Recognize impact of poor prognostic factors of adjuvant therapy decisions, including treatment dose.

**Head and Neck Paragangliomas: A Case-Oriented Approach to Evaluation and Management**
Brian A. Nussenbaum, MD (moderator); James L. Nettiveille, MD; Michael G. Moore, MD; Brandon Isaacson, MD; William M. Mendenhall, MD

**Program Description:** Despite increased knowledge about head and neck paragangliomas, educational gaps still exist regarding diagnosis, evaluation, and management options. This miniseminar will provide up-to-date clinically relevant information using a case-based format. Best available evidence-based medicine presentations on focused learning points and audience response will be incorporated. Basic concepts and controversial topics will include accurate disease diagnosis; tumor genetics and defining the at-risk-population for familial disease; management decision-making between surgery, radiation, and observation with expected tumor-control outcomes; identification of patients at particular risk for treatment-related complications; and rehabilitation options to maximize functional outcomes.

**Educational Objectives:**
(1) Describe the current “state-of-the-art” for evaluation and management of head and neck paragangliomas.
(2) Discuss the considerations that affect how treatment decisions are made.
(3) Use methods for minimizing complications while maximizing tumor-control and functional outcomes.

**The Human Papillomavirus Discussion: The Latest Data and How to Counsel Patients**
Richard V. Smith, MD (moderator); Samir S. Khariwala, MD; Kelly M. Malloy, MD; Michael G. Moore, MD; Benoit J. Gosselin, MD

**Program Description:** Human papillomavirus (HPV)–related oropharyngeal cancer is now recognized as a clinically distinct entity, and data describing the nature of the epidemic, optimal treatment strategies, and survival outcomes are rapidly developing. Our patients are asking pertinent questions about HPV transmission, the role of vaccination, and monitoring recommendations. This miniseminar will update practitioners on the accuracy of testing, how to counsel patients and families regarding the nature of HPV infection (risk and transmissibility), vaccination, the management of benign lesions, and surveillance. This panel will appeal broadly to trainees, general otolaryngologists, and head and neck surgical oncologists.

**Educational Objectives:**
(1) Advise patients and partners regarding HPV infection and transmission.
(2) List the Centers for Disease Control and Prevention recommendations for HPV vaccination.
(3) Develop a surveillance plan for patients with HPV and their families.