Swedish Pituitary Symposium: Updates in Pituitary Management

Friday, April 4, 2014
Swedish Education and Conference Center
Swedish/Cherry Hill
500 17th Avenue
Seattle, Washington
Needs Statement
Health-care providers today are faced with a rapidly growing population of patients with pituitary tumors and disorders. Each year, about 1 in 10,000 adults and children are diagnosed with a pituitary tumor, leading to various health complications. The resulting imbalance of hormones can cause endocrine diseases such as Cushing’s syndrome and acromegaly. Clinicians may not be aware of all of the complex factors in the management of pituitary tumors and disorders. Specifically, practitioners may not be aware of predictors of treatment success and failures, the effects of pituitary damage either from a disorder, tumor or brain injury, and treatment outcomes.

Successful treatment requires complex strategies and it may be difficult for physicians to choose among the magnitude of options for diagnosis and treatment. Treatment options include surgery, radiation therapy, drug therapy, chemotherapy and growth hormones. There are many variables to consider including timeliness and urgency, complications and patient risk factors, and prognosis and quality of life after treatment. Physicians, advanced practice clinicians and allied health professionals may not be updated in all factors related to managing patients with pituitary tumors and disorders.

Course Description
Neuroendocrinology is a rapidly changing field, which requires ongoing education of endocrinologists, neurosurgeons and other sub-specialists who see patients with pituitary disorders and tumors. Primary-care providers, who are in a position to refer patients for treatment of pituitary disorders, need information on diagnostic and treatment options so that they can appropriately manage their care, or know when and where it is appropriate to send the patient for further evaluation and treatment. In addition to endocrinologists and neurosurgeons, primary-care providers, radiation oncologists and medical oncologists need practical information to treat patients with pituitary tumors and follow-up with patients post-treatment. From the perspectives of endocrinology, neurology, neurosurgery, radiosurgery, neuro-pathology and ophthalmology, physicians, advanced practice clinicians and allied health professionals will be updated on all factors related to managing patients with pituitary tumors and disorders in order for them to provide the most informed and evidence-based care for these patients.

Location
Swedish Medical Center/Cherry Hill is located at 500 17th Avenue in Seattle, Washington. 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
7:30 a.m. Registration and Continental Breakfast
7:55 a.m. Welcome and Introductions
Frances Broyles, M.D.
8 a.m. Hypopituitarism in the Setting of Brain Injury
Laurence Katznelson, M.D.
8:40 a.m. New Avenues in the Diagnosis and Medical Therapy of Cushing’s Disease
Maria Fleseriu, M.D., FACE
9:10 a.m. An Update on Acromegaly
Maria Fleseriu, M.D., FACE
9:40 a.m. Transnasal versus Endoscopic Pituitary Surgery
Johnny B. Delashaw, M.D.
10:10 a.m. Break
10:25 a.m. Management of Aggressive Pituitary Tumors
Laurence Katznelson, M.D.
11:05 a.m. Pathology as a Predictor for Aggressive Pituitary Tumors
Steven W. Rostad, M.D.
11:35 a.m. Radiation Modalities Used in the Treatment of Pituitary Adenomas
Sandra Vermeulen, M.D.
12:15 p.m. Lunch
Option 1: Tour of Radiosurgery Center (Not for Credit)
Option 2: Panel Discussion: Challenging Cases (Not for Credit)
1 p.m. Petrosal Sinus Sampling
Joseph M. Eskridge, M.D.
1:30 p.m. Managing Headaches for Pituitary Patients
Lily Jung Henson, M.D., MMM, FAAN
1:50 p.m. Update in Neuro-ophthalmology of Pituitary Tumors
Eugene F. May, M.D.
2:30 p.m. Surgery Outcomes for Pituitary Tumors
Marc R. Mayberg, M.D.
3 p.m. Break
3:15 p.m. Post-Op Care and Follow-up of Pituitary Patients: When to Start Hormones
Frances Broyles, M.D.
3:45 p.m. Imaging the Pituitary Region
John W. Henson, M.D., FAAN
4:15 p.m. Acknowledgments and Closing Remarks
4:20 p.m. Adjourn

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 Category 1 Credits™
Swedish Medical Center designates this live activity for a maximum of 7.0 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

For Further Information
Phone: 206-386-2755
Fax: 206-320-7462
E-mail: cme@swedish.org
Web: www.swedish.org/cme
Intended Audience

This symposium is intended for endocrinologists, neurosurgeons, radiation oncologists, medical oncologists, primary-care physicians, ophthalmologists, advance practice clinicians and other sub-specialists in the treatment of neuroendocrine diseases in Washington, Oregon, Idaho, Montana, California and Alaska.

Course Objectives

At the conclusion of this symposium, the participant will provide better patient care through an increased ability to:

- Determine the effects of brain injury on pituitary function and describe the appropriate endocrine testing to assess for hypopituitarism in a patient with brain injury
- Evaluate the utility of biochemical testing for hypercortisolemia and growth hormone excess, perform clinical problem-solving to complex management of patients with acromegaly and Cushing's disease and describe how this data might be applied to modify and improve existing treatment plans
- Review the anatomy of the nasal cavity and pituitary and discuss the advantages and disadvantages of microscopic and endoscopic surgery
- Describe the clinical, radiologic and pathological definition of an aggressive pituitary tumor and discuss management options for patients with aggressive pituitary tumors
- Recognize pituitary adenomas with clinically aggressive behaviors and discuss methods of evaluating the potential aggressive nature of pituitary adenomas
- Decide when to use which radiation modality (gamma knife, cyber knife or proton), review doses to control secreting and non-secreting tumors and discuss radiation side effects
- Outline the technique of petrosal sinus sampling, discuss the pitfalls of petrosal sinus sampling and review venous anatomy
- Describe how pituitary conditions affect headaches and discuss how to manage headaches in pituitary disease
- Review the anatomy of the visual and eye movement pathways affected by pituitary tumors, identify the vision disturbances experienced by patients with pituitary tumors and explain the utility of optical coherence tomography in management of pituitary patients
- Differentiate success rates for pituitary tumor surgery among different tumor subtypes, compare alternatives to surgical treatment and describe complications associated with pituitary surgery
- Assess post-op care complications, list long term post-op complications and describe setting expectations
- Discuss imaging features of the normal pituitary gland and relevant adjacent anatomy, review imaging of pituitary diseases and list the causes of neurological dysfunction caused by pituitary lesion

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.

Faculty

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Planning Committee

Frances Broyles, M.D., Course Chair
Laura E. Jacob, MEd, CME Specialist
Marc R. Mayberg, M.D.

Jennifer Mercado, ARNP
Kelley Moloney, ARNP
Sandra Vermeulen, M.D.
**Registration Information:**
Preregistration is required as space is limited. Participants who register by the “Advance Registration” deadline will receive a confirmation postcard after Monday, March 24, 2014. Registrations will only be processed when accompanied by full payment.

**Cancellation:**
To receive a refund, notice of cancellation must be received no later than **Friday, March 28, 2014.**

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

Please note: No registrations are accepted by phone or e-mail.

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

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