The Penn Pituitary Center is a multidisciplinary group of physicians who are recognized internationally for their expertise in the diagnosis and treatment of neuroendocrine diseases, including acromegaly, Cushing’s disease, hyperprolactinemia, gonadotroph and other clinically nonfunctioning pituitary adenomas, and other pituitary and hypothalamic lesions, as well as hypopituitarism and diabetes insipidus.

Penn Medicine physicians from many specialties combine their expertise in treating patients with pituitary disease using the latest technologies of diagnosis and treatment. They are experienced in the latest medications and techniques because they were instrumental in their development.

To schedule an appointment at the Penn Pituitary Center, please call 800.789.PENN.

**Locations**

**PENN ENDOCRINOLOGY**

Perelman Center for Advanced Medicine
West Pavilion
3400 Civic Center Boulevard, Suite 4-900W
Philadelphia, PA 19104

**DEPARTMENT OF NEUROSURGERY**

Hospital of the University of Pennsylvania
Silverstein Building, 3rd floor
3400 Spruce Street
Philadelphia, PA 19104
The Multidisciplinary Team
A multidisciplinary team of endocrinologists, neurosurgeons, radiation oncologists, neuroradiologists, interventional radiologists, and neuro-ophthalmologists work together to provide the latest specialized care for patients with pituitary or hypothalamic tumors. The team meets every month as a group at the Sellar Conference to discuss the management of patients with neuroendocrine disease.

RESOURCES of the Penn Pituitary Center

DIAGNOSTIC RESOURCES
- **Provocative endocrine testing**: these tests include stimulation and suppression of growth hormone, CRH testing, metyrapone testing and water-deprivation testing.
- **Inferior petrosal sinus sampling**: performed in interventional radiology, this technique distinguishes Cushing’s disease from ectopic ACTH syndrome.
- **High-resolution MRI (3T)**: high resolution improves visualization of the pituitary and surrounding structures.

THERAPEUTIC RESOURCES
- **Patient instruction**: dedicated Penn Pituitary Center nurses instruct patients in self-administration of specialized neuroendocrine medications.
- **Clinical trials**: clinical trials of new neuroendocrine medications offer patients access to new medications not otherwise available.

- **Neurosurgery**: Penn neurosurgeons use advanced endoscopic and microscopic techniques along with intraoperative image guidance to achieve the best therapeutic results.
- **Intensity modulated radiation therapy (IMRT)**: five to seven modulated fields of radiation precisely shape the radiation field to conform to the target and avoid normal tissue. The Z Med localization device allows for millimeter accuracy of positioning and monitors positioning during the treatment.
- **Gamma Knife® radiation**: delivers a single high dose of gamma radiation stereotactically to the tumor.
- **Proton beam therapy**: uses protons to treat tumors and offers the advantage of delivering a high dose to the tumor, with a very small dose to the surrounding normal tissue.
MEMBERS
of the Multidisciplinary Team

Endocrinology
Peter J. Snyder, MD
Professor of Medicine
Medical Director, Penn Pituitary Program

Julia Kharlip, MD
Assistant Professor of Clinical Medicine
Associate Medical Director, Penn Pituitary Program

Neurosurgery
M. Sean Grady, MD
Charles Harrison Frazier Professor of Neurosurgery and
Chair, Department of Neurosurgery
Co-Director, Center for Cranial Base Surgery

Kevin D. Judy, MD
Associate Professor of Neurosurgery

John Y. K. Lee, MD
Assistant Professor of Neurosurgery
Medical Director, Penn Gamma Knife Center

Otorhinolaryngology -
Head and Neck Surgery
Bert W. O’Malley, Jr., MD
Gabriel Tucker Professor and
Chair, Department of Otorhinolaryngology - Head and Neck Surgery
Co-Director, Center for Cranial Base Surgery

James N. Palmer, MD
Associate Professor, Otorhinolaryngology - Head and Neck Surgery
Director, Division of Rhinology

Radiation Oncology
Michelle Alonso-Basanta, MD, PhD
Assistant Professor of Radiation Oncology

Robert Lustig
Professor of Clinical Radiation Oncology

Neuroradiology
Elias Melham, MD
Professor of Radiology
Chief, Division of Neuroradiology
Interventional Radiology
Robert W. Hurst, MD
Professor of Radiology

Neuro-ophthalmology
Steven L. Galetta, MD
Professor of Neurology

Grant Liu, MD
Professor of Neurology

Nicholas J. Volpe, MD
Professor of Ophthalmology

Ophthalmology
Madhura Tamhankar, MD
Assistant Professor, Ophthalmology

CONTACT
the Penn Pituitary Center

TO REFER A PATIENT, please call 215.662.2300, choose option 1, and state that you would like to make a referral to the Penn Pituitary Center.

TO SPEAK TO A FACULTY MEMBER, please call 215.662.2300 and choose option 7.

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