UW Health Neurosurgery offers Wisconsin’s only multidisciplinary team dedicated to caring for pituitary tumor patients. Though most pituitary tumors are benign, they can cause neurological and endocrine symptoms by exerting pressure on nearby critical cranial nerves, brain and pituitary gland or by producing excess hormones. A key benefit to partnering with UW Health’s Pituitary Tumor Care is our comprehensive and consistent approach to: Patients, Treatment, Research, and Care Team.

### Patients
- Each patient’s needs are addressed with individually tailored medical, surgical and radiation therapies.
- Patients are treated for a wide variety of pituitary region tumors including:
  - Prolactinomas (non-functional pituitary adenoma)
  - Acromegaly (growth hormone secreting adenoma)
  - Cushing’s disease (ACTH secreting adenoma)
  - Other pituitary region tumors, craniopharyngiomas, meningiomas, etc.
- As a courtesy, we provide a limited record review for patients who think they might be candidates for the Pituitary Tumor Clinic. For more information regarding this service, please contact the Pituitary Tumor Clinic Coordinator at (608) 262-7303 or an individual physician through the Access Center at (608) 263-6796 or 800-472-0111.

### Treatment
- Specialized pituitary imaging (MRI, MRA, MRV, CTA and dynamic scanning protocol)
- Medical therapy for endocrine problems associated with pituitary tumors:
  - Pituitary dysfunction • Hyperprolactinemia
  - Cushing’s disease • Acromegaly
  - Endonasal transsphenoidal craniotomy for minimally invasive tumor removal with advanced technology (computer navigation guidance, endoscopic and microscopic visualization).
  - Intra-operative MRI (iMRI) suite for real-time imaging while the patient is undergoing surgery offers additional precision for tumor removal and spares healthy tissue.
  - 3-D conformal treatment planning to ensure precisely targeted delivery of radiation doses
  - Stereotactic radiosurgery, fractionated stereotactic radiotherapy, radiotherapy, helical tomotherapy.

### Research
- Developing advanced imaging for pituitary and anterior skull base tumors
- Analyzing outcomes and cost-effective clinical treatment strategies
- Integrating imaging and surgical technology to improve clinical outcomes
- Studying the molecular biology of tumor stem cells
- Conducting pre-clinical studies and clinical trials of novel therapies

### Care Team
- The Pituitary Tumor Care team consists of physician specialists from neurosurgery, endocrinology, neuro-ophthalmology, neuroradiology and neuropathology.
- Multidisciplinary team discussions at UW Tumor Board conferences develop the best management plan for each patient.
- The Pituitary Tumor Care team offers each patient a broad range of medical and surgical options to provide the most appropriate diagnostic and therapeutic care during one efficient visit to Madison.
Neurosurgery

Mustafa K. Baskaya, MD
Dr. Baskaya specializes in surgery for cerebral aneurysms, arteriovenous malformations, cavernous angiomas and revascularization for stroke such as carotid endarterectomy, bypass surgery, complex brain tumors with deep locations, and tumors of the skull base such as meningiomas, acoustic neuromas and pituitary adenomas.

John S. Kuo, MD, PhD
Dr. Kuo is a board certified neurosurgeon and UW assistant professor of neurological surgery and human oncology. He directs the UW Health comprehensive brain tumor program, leads the UW Carbone Cancer Center Brain tumor clinical trials group, and started this multidisciplinary Pituitary Tumor Clinic. Dr. Kuo completed specialized neurosurgical training in pituitary surgery and stereotactic radiosurgery with the internationally recognized neurosurgeons, Martin H. Weiss, MD, and Michael L.J. Apuzzo, MD.

Jennifer Winchell, RN, BSN, MS, APNP
Jennifer works in the Department of Neurosurgery with a focus on patients with vascular abnormalities and CNS tumors.

Neuro-ophthalmology

Ivy J. Dreizin, MD
Dr. Dreizin is board-certified in neurology. She has completed a fellowship in neuro-ophthalmology. She is a clinical professor of neurology at the University of Wisconsin.

Leonard A. Levin, MD, PhD
Dr. Levin is a board-certified ophthalmologist whose clinical practice is restricted to the care of patients with neuro-ophthalmic disorders. He is also a UW professor of ophthalmology and visual sciences and has specific interest in diseases affecting the anterior visual pathways.

Endocrinology

Diane F. Elson, MD
Dr. Elson is a Clinical Professor in the Division of Endocrinology, Metabolism, and Diabetes. She is board certified in internal medicine, endocrinology, diabetes and metabolism with special interests in endocrine tumors.

Vanessa L. Rein, MD
Dr. Vanessa Rein is a board-certified endocrinologist at UW Hospital. She has special interests in Pituitary and Thyroid diseases, as well as Diabetes.

Yoram Shenker, MD
Dr. Shenker is board certified in internal medicine and endocrinology, diabetes and metabolism. He has special medical interest in adrenal and pituitary disorders.

Neuroradiology

Howard A. Rowley, MD
Dr. Rowley is board certified in neurology, radiology and neuroradiology. He is internationally recognized for research advances in brain imaging techniques.

Neuropathology

M. Shahriar Salamat, MD, PhD
Dr. Salamat is board certified in anatomic pathology and neuropathology. He also directs the Wisconsin Brain Donor Program.

Pituitary Tumor Clinic
UW Hospital and Clinics • 600 Highland Ave. • Madison, WI 53792
To contact the Pituitary Tumor Clinic, call (608) 263-7502 or 800-323-8942. For emergency referrals and after hours, call: Access Center at 800-472-0111

uwhealth.org/neurosurgery