

Innovative Surgical Options

We offer the latest techniques and technologies to treat skull base and pituitary disorders.

Minimally invasive surgery: Surgeons at Rush are leaders in minimally invasive microsurgery and endoscopic skull base surgery and routinely educate trainees on the latest surgical advances. Whenever possible, we adopt these techniques to minimize the risk of trauma to delicate nerves, glands and blood vessels.

Open surgery: We offer craniofacial resection and lateral skull base approaches for patients who are not candidates for minimally invasive options. Our highly skilled surgical team includes a fellowship-trained, board-certified neurotologist who focuses exclusively on ear and lateral skull base problems.

State-of-the-art radiation therapy: Rush offers advanced, noninvasive radiosurgery with TrueBeam STx, as well as TomoTherapy, a form of image-guided radiotherapy (IGRT). These innovative tools can treat a range of malignancies and other potentially debilitating conditions with greater accuracy while minimizing damage to surrounding tissues.

Patients also benefit from sophisticated imaging with 3 Tesla MRI, which allows for the most effective preoperative and intraoperative planning.

EXPERTISE AND INNOVATION AT RUSH

The neurology and neurosurgery program at Rush has been named one of the top programs in the country by *U.S. News and World Report*.

The Tower, Rush's new hospital building, includes an innovative interventional platform with large operating rooms equipped for microsurgery and robotics. Advanced imaging capabilities in the Tower include functional MRI and mapping technologies.

CONVENIENT LOCATION FOR YOUR PATIENTS

The Rush campus is conveniently located just west of downtown Chicago and is easily accessible from I-290 off of Ashland Avenue or the Chicago Transit Authority's Blue line (Illinois Medical District stop) or Pink line (Polk stop). To see a map and get directions, please visit www.rush.edu or call (888) 352-RUSH (7874).



The Rush Center for Skull Base and Pituitary Surgery

- Highly specialized surgical expertise
- Minimally invasive and open techniques
- A coordinated, multidisciplinary approach

Collaborative, subspecialty care
for complex conditions



Innovative, Team-Based Care

At the Rush Center for Skull Base and Pituitary Surgery, we specialize in treating patients with complicated disorders such as pituitary adenomas, acoustic neuromas, meningiomas and cerebrospinal fluid (CSF) leaks. Our patient-centered approach involves close collaboration among multiple subspecialists to provide the safest, most effective options for patients.

Dr. Batra is a Professor and Chairman of the Department of Otorhinolaryngology – Head and Neck Surgery. He is an internationally recognized rhinologist who has authored more than 110 publications and lectured extensively on skull base disease. Dr. Byrne is Chairman of the Department of Neurosurgery, medical director with University Neurosurgery, and the Roger C. Bone, MD, Presidential Professor at Rush University.

COMBINED EXPERTISE

Our team includes leading experts in the following areas:

- Otorhinolaryngology
- Neurosurgery
- Radiation oncology
- Medical oncology
- Ophthalmology
- Plastic surgery
- Neuroradiology
- Interventional radiology
- Pathology
- Physical therapy
- Pain management
- Speech language pathology
- Audiology
- Nutrition services

We work together to provide patients with the most comprehensive range of options based on their particular condition. Each month, we convene a team conference to discuss patients and formulate individualized treatment plans.

Rush University Medical Center
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www.rush.edu

 **RUSH** Rush is a not-for-profit health care, education and research enterprise comprising Rush University Medical Center, Rush University, Rush Oak Park Hospital and Rush Health.

PLEASE NOTE: All physicians featured in this publication are on the medical staff of Rush University Medical Center. Some of the physicians are in private practice and, as independent practitioners, are not employees of Rush University Medical Center.

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Why Rush

Patients benefit from other programs and services available at Rush.

Specialized intensive care unit: The 28-bed Neurosciences Intensive Care Unit at Rush offers advanced neuro-monitoring and neuro-therapeutic capabilities. Staff includes five full-time neuro-intensivists, seven neuro-critical care nurse practitioners and other clinicians.

A spectrum of rehabilitative services: Our team of physical therapists, audiologists, speech language pathologists, nutritionists, and pain management experts works with your patients to maximize their recovery.

Comprehensive cancer care: The Coleman Foundation Comprehensive Cancer Clinics at Rush provide coordinated, team-based care for patients with head and neck cancers, and those with brain and spine tumors. At both clinics, a dedicated nurse coordinator arranges all diagnostic and treatment services for your patients.

Education and research: Surgeons at Rush actively research new treatments for skull base conditions. They also train their peers and the next generation of surgeons on the latest techniques in skull base surgery.

Our Care Team

Our team is led by Pete Batra, MD, FACS, an otorhinolaryngologist, and Richard Byrne, MD, a neurosurgeon.

Otorhinolaryngology – Head and Neck Surgery

Pete Batra, MD, FACS (co-director)
R. Mark Wiet, MD
Samer Al-Khudari, MD

Neurosurgery

Richard Byrne, MD (co-director)
Lorenzo Muñoz, MD
Roham Moftakhar, MD

Radiation Oncology

Aidnag Diaz, MD, MPH
David Sher, MD, MPH

Oculoplastic Surgery/ Neuro-ophthalmology

Adam Cohen, MD
Thomas Mizen, MD
Tamara Fountain, MD

Medical Oncology

Mary Jo Fidler, MD
John Showel, MD

Neuro-oncology

Robert Aiken, MD
Nina Paleologos, MD

Neuroradiology

Miral Jhaveri, MD

Interventional Radiology

Bulent Arslan, MD

Anesthesia

David Rothenberg, MD, FCCM

Pathology

Paolo Gattuso, MD
Ritu Ghai, MD

Communicative Disorders

Mike Hefferly, PhD
Michele Simler, MS

We Collaborate With Referring Physicians

Referring physicians are integral members of our care team. Our staff makes every effort to provide you with the following:

- Consultations with our multidisciplinary team
- Timely updates on patients
- Coordination of ancillary services during recovery

To refer a patient to the Rush Center for Skull Base and Pituitary Surgery, please call the Department of Otorhinolaryngology – Head and Neck Surgery at (312) 942-6100 or the Department of Neurosurgery at (312) 942-6644.

Conditions Treated

- Acoustic neuroma
- Adenocarcinoma
- Adenoid cystic carcinoma
- Basal cell carcinoma
- Cholesterol granuloma
- Chondrosarcoma
- Chordoma
- CSF leak
- Encephalocele
- Endolymphatic sac tumor
- Esthesioneuroblastoma
- Fibrous dysplasia
- Glomus tumor
- Hemangiopericytoma
- Inverted papilloma
- Juvenile nasopharyngeal angiofibroma
- Melanoma
- Meningioma
- Neurofibromatosis II
- Osteoma
- Osteomyelitis
- Paraganglioma
- Pituitary tumor (pituitary adenoma)
- Sarcoma
- Sinonasal undifferentiated carcinoma
- Sinus and skull base tumor



The Rush Center for Skull Base and Pituitary Surgery is home to a comprehensive team of experts from multiple disciplines.

