Neurosurgery

The Department of Neurosurgery provides comprehensive surgical management for a spectrum of complex neurological problems. We are committed to providing exceptional, state-of-the-art care, utilizing the latest diagnostic imaging equipment, and employing contemporary and minimally-invasive surgical techniques.

SPECIALTIES

- Epilepsy and Movement Disorders
- Hydrocephalus
- Neurocritical Care
- Neuro-Oncology
- Neuro-Oncology Surgery
- Neurovascular Surgery
- Pediatric Neurosurgery
- Peripheral Nerve Injury/Disorders
- Skull Base Surgery
- Spinal Medicine and Interventional Therapy
- Spinal Oncology
- Spine Center
- Stereotactic Radiosurgery
- Trigeminal Neuralgia and Hemifacial Spasm

CONTACT INFORMATION

Appointments
(801) 585-7575
Pediatric Neurosurgery Appointments
(801) 662-5340
General Information
Toll-Free (866) 850-8863

Department of Neurosurgery
Academic Office
(801) 581-6908

Web Site
www.utahneurosciences.com

MAPS & DIRECTIONS
www.healthcare.utah.edu/maps

PATIENT TRANSFER CENTER
1-877-ADMIT-2-U (1-877-236-4828)
Epilepsy and Movement Disorders  
**(801) 585-7575**
Paul A. House, M.D.

- Deep brain stimulators
- Medically intractable seizure disorders
- Parkinson’s disease
- Stereotactic functional surgery
- Stereotactic pallidotomy
- Thalamotomy
- Vagal nerve stimulation for intractable epilepsy

Hydrocephalus  
**(801) 585-7575**
Richard H. Schmidt, M.D., Ph.D.
Phil Taussky, M.D.

- Surgical placement of shunt
- Third ventriculostomy

Neurocritical Care  
**(801) 585-7575**
Erica F. Bisson, M.D.
William T. Couldwell, M.D., Ph.D.
Andrew T. Dailey, M.D.
Daniel W. Fults, III, M.D.
Robert S. Hood, M.D.
Paul A. House, M.D.
Randy L. Jensen, M.D., Ph.D.
Joel D. MacDonald, M.D.
Meic H. Schmidt, M.D.
Richard H. Schmidt, M.D., Ph.D.
Phil Taussky, M.D.

- Acute head and spinal cord injuries
- Cerebral vascular problems
- Coma
- Intracranial pressure problems and infectious diseases
- Tumors

Neuro-Oncology  
**(801) 585-7575**

- Brain and spine tumor care

**Neuro-Oncology Surgery**  
**(801) 585-7575**
Adam L. Cohen, M.D.
Howard Colman, M.D., Ph.D.
William T. Couldwell, M.D., Ph.D.
Daniel W. Fults, III, M.D.
Randy L. Jensen, M.D., Ph.D.
Meic H. Schmidt, M.D.
Phil Taussky, M.D.

- Awake cortical mapping
- Brain tumors, primary and metastatic
- Medical oncology
- State-of-the-art intraoperative navigational systems

**Neurovascular Surgery**  
**(801) 585-7575**
William T. Couldwell, M.D., Ph.D.
Joel D. MacDonald, M.D.
Richard H. Schmidt, M.D., Ph.D.
Phil Taussky, M.D.

- Arteriovenous malformation
- Bypass procedures
- Carotid endarterectomy
- Giant aneurysms
- Interventional neuroendovascular capabilities
- Linac radiosurgery
- Occlusive vascular disease
- Subarachnoid hemorrhage

**Pediatric Neurosurgery**  
*Primary Children’s Medical Center*  
**(801) 662-5340**
Fax **(801) 662-5370**
Douglas L. Brockmeyer, M.D.
Jay Riva-Cambrin, M.D.
Marion L. Walker, M.D.

- Acute head and spinal injuries
- Brain tumors
- Cerebral palsy derived spasticity
- Cerebral palsy spasticity procedures
- Endoscopic techniques for treating lesions in the cavities of the brain
- Frameless stereotaxy for volumetric resection of brain tumors
• Hydrocephalus
• Neuroendoscopy for cystic intracranial lesions
• Pediatric epilepsy surgery
• Pediatric spine surgery and spinal instrumentation

Peripheral Nerve Injury/Disorders (801) 585-7575
Andrew T. Dailey, M.D.
Robert S. Hood, M.D.
Joel D. MacDonald, M.D.

• Management of peripheral nerve injuries
• Nerve compression
• Neuropathy
• Radiculopathies

Skull Base Surgery (801) 585-7575
William T. Couldwell, M.D., Ph.D.
Joel D. MacDonald, M.D.
Richard H. Schmidt, M.D., Ph.D.
Phil Taussky, M.D.

• Acoustic neuromas
• Adjunct therapy
• Giant aneurysms
• Meningiomas
• Pituitary lesions
• Skull base tumors

Spinal Medicine and Interventional Therapy (801) 585-7575
Edgar C. Goldston, Jr., M.D.

• Bracing
• Degenerative spine disease
• Diagnostic/therapeutic interventional spinal procedures (selective nerve root blocks, epidural and facet joint injections, sympathetic blocks and discography)
• Electroceutical therapy
• Electrodiagnostic (EMG/NCV) studies
• Facet joint disease
• Failed spine surgery
• Physical and spinal manipulation therapies
• Radiofrequency neural manipulation
• Radiographic studies
• Ruptured discs
• Spinal injection therapy
• Spinal stenosis
• Spine pain and associated symptoms
• Spondylolisthesis
• Tailored medication regimens

Spinal Oncology (801) 585-7575
Adam L. Cohen, M.D.
Howard Colman, M.D., Ph.D.
Andrew T. Dailey, M.D.
Meic H. Schmidt, M.D.

• Complex spinal reconstruction
• Endoscopy
• Kyphoplasty/vertebroplasty
• Metastatic spine disease
• Microsurgery
• Microsurgical techniques
• Minimally-invasive spinal surgery
• Neuro-monitoring
• Radiation and chemotherapy
• Spinal cord tumor surgery
• Tumors of the spine and spinal cord

Spine Center (801) 585-7575
Erica F. Bisson, M.D.
Andrew T. Dailey, M.D.
Robert S. Hood, M.D.
Joel D. MacDonald, M.D.
Meic H. Schmidt, M.D.

• Degenerative spine disease
• Dorsal column stimulation
• Implantable pumps
• Kyphoplasty and vertebroplasty
• Metastatic spine tumors
• Minimally-invasive spinal surgery
• Osteoporosis
• Pain and spasticity management
• Ruptured discs
• Spinal cord injuries
• Spinal stenosis
• Spine instrumentation from the cranial cervical fractures to the sacrum
• Spine trauma
• Spondylolisthesis
• Thoraco lumbar and low lumbar spine instrumentation
• Thoracoscopic surgery
• Unstable spine fractures
• Upper cervical spine stabilization

**Stereotactic Radiosurgery**

(801) 585-7575

Paul A. House, M.D.

Randy L. Jensen, M.D., Ph.D.

• Acoustic neuromas
• Epilepsy
• Facial pain syndromes
• Highly focused radiation therapy using state-of-the-art, computer guided, linear accelerator based radiosurgery
• Malignant gliomas
• Meningiomas
• Metastatic brain tumors
• Pituitary tumors

**Trigeminal Neuralgia and Hemifacial Spasm**

(801) 585-7575

Paul A. House, M.D.

• Microvascular decompression
• Percutaneous neurolytic procedures
Erica F. Bisson, M.D.
Adult Neurosurgery

Douglas L. Brockmeyer, M.D.
Pediatric Neurosurgery

Adam L. Cohen, M.D.
Neuro-Oncology • Spinal Oncology

Howard Colman, M.D., Ph.D.
Neuro-Oncology

William T. Couldwell, M.D., Ph.D.
Adult Neurosurgery

Andrew T. Dailey, M.D.
Adult Neurosurgery

Daniel W. Fults, III, M.D.
Adult Neurosurgery

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Spinal Medicine

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