



## Providence Cranial Services

Providence Cranial Services offers patients the world's most sophisticated technologies in the hands of a team of highly trained and experienced neurosurgeons and neurologists. Our team offers expertise in minimally invasive procedures, endoscopic neurosurgery and neurointerventional procedures.

Our facilities provide the Northwest's most advanced technologies, including:

- iMRI surgical suite, which brings MRI into the operating room during surgery, improving accuracy and increasing our surgeons' ability to completely remove brain tumors
- Biplane catheterization lab, the region's most advanced lab for removing blood clots and repairing aneurysms without surgery
- Gamma Knife Perfexion, which uses precisely focused gamma rays to destroy complex brain lesions without surgery

### Services

- Advanced, minimally invasive endoscopic neurosurgical approaches for brain and pituitary tumors
- Surgical treatment for epilepsy, including removal of tumors, scars or other brain lesions, and implantation of vagus nerve stimulators
- Gamma Knife Perfexion radiosurgery for nonsurgical treatment of complex brain lesions
- Biplane catheterization procedures to remove blood clots and repair aneurysms
- A support group for people with brain aneurysms

### Our diverse team specializes in:

- Brain tumors
- Pituitary tumors
- Seizures
- Brain aneurysms and hemorrhages
- Arteriovenous malformations
- Trigeminal neuralgia
- Hydrocephalus
- Other brain disorders

## Neurosurgeons and co-medical directors:

David Antezana, M.D., Microneurosurgical Consultants, 503-297-3766

Pankaj Gore, M.D., Microneurosurgical Consultants, 503-297-3766

Daniel Rohrer, M.D., Comprehensive Neurosurgical Consultants, 503-546-3503

## Neurosurgeons:

Vivek Deshmukh, M.D., Microneurosurgical Consultants, 503-297-3766

Jeffrey Johnson, M.D., Portland Neurosurgery, 503-291-1960

Todd Kuether, M.D., Microneurosurgical Consultants, 503-297-3766

Oisín O'Neill, M.D., Microneurosurgical Consultants, 503-297-3766

Michael Sandquist, M.D., Microneurosurgical Consultants, 503-297-3766

James Schmidt, M.D., 503-215-0855

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## Available on our Web site at [www.providence.org/physicianinfo/brain](http://www.providence.org/physicianinfo/brain):

- **Physician directory:** Get contact information for all Providence Brain Institute physicians.
- **eNeuro:** Subscribe to our quarterly physician newsletter.
- **Speakers bureau:** Providence Brain Institute physicians are available to speak about minimally invasive skull base procedures and other topics.
- **Webcasts:** View live or archived medical grand rounds, meetings, lectures, CME activities and other events featuring Providence Brain Institute physicians.

## OUR MISSION

As people of Providence,  
we reveal God's love for all,  
especially the poor and vulnerable,  
through our compassionate service.

## OUR CORE VALUES

Respect, Compassion, Justice,  
Excellence, Stewardship

## Providence Cranial Services

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Portland, OR 97225

503-216-1055

[www.providence.org/brain](http://www.providence.org/brain)

