Your guide
to patient referral

Spine

OHSU Physician Consult and Referral Service
503-494-4567
TOLL-FREE 800-245-6478
Quick reference

Clinic locations

South Waterfront
OHSU Center for Health & Healing
3303 S.W. Bond Ave., 12th Floor
Portland, OR 97239

Cornell West
1500 N.W. Bethany Blvd., Suite 195
Beaverton, OR 98006

Beaverton
15700 S.W. Greystone Court
Beaverton, OR 97006

Contact information

OHSU Spine Center
503-418-9888
www.ohsuspine.com

OHSU Physician Consult and Referral Service
503-494-4567 or 800-245-6478
Fax referrals: 503-346-6854

Providers by specialty

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At the OHSU Spine Center, our multidisciplinary team of spine experts partners with you to provide your patients with the region’s broadest range of advanced treatments and therapies for back pain and spinal problems. We offer a comprehensive approach to diagnosis, disease management and treatment of all diseases of the spine.

- **Efficient evaluation.** Our nonoperative triage team meets with patients first to evaluate and triage each individual patient’s condition and needs. This allows us to quickly and efficiently evaluate each patient, reduce wait times for surgical candidates and improve outcomes for all patients.

- **Multidisciplinary approach.** Our team collaborates on evaluation and care, designing an individual treatment and rehabilitation plan specific to each patient’s unique needs. In addition to a robust team of spine experts, we also offer coordinated care with various subspecialties, from refractory pain management to complex reconstructive spine surgery. With all of OHSU’s available resources, the OHSU Spine Center can provide specialized care at every stage of treatment and rehabilitation.

- **Conservative treatment.** We work with you to pursue the most conservative course of treatment for your patients, choosing effective alternatives to surgery whenever possible. We also work directly with OHSU’s Comprehensive Pain Center in addressing symptomatic pain relief without surgery for arthritic, noncompressive spine conditions.

- **Minimally invasive options.** If a patient needs surgery, minimally invasive techniques can provide benefits including faster recovery time, smaller incisions, reduced blood loss and a lower risk of infection. We offer numerous minimally invasive techniques for procedures including laminectomy, discectomy, fusion surgeries for spondylolisthesis or trauma, and tumor removal.

- **Measurable results.** Our Functional Outcomes Program’s secure, web-based survey tool allows for collection of patient medical and social histories, as well as validation of quality of life measurements at each appointment. It allows us to track progress and adjust treatment plans to optimize progress and identify best practices for conservative and surgical spine care. This has been shown to improve a patient’s physical functions and pain levels. Learn about the questionnaire for patients with back and/or neck pain on page 18.

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**Easy access**

As a medical provider, your time is valuable too; you can refer a patient by sending us a fax, call us for patient consultations, and get easy, secure online access to your patient’s medical record via OHSU Connect.
Our services

We specialize in all diseases of the spine, including scoliosis, cervical myelopathy and radiculopathy; lumbar disk herniation; spinal stenosis, column tumors, deformities and trauma; and spondylolisthesis. Our services include:

Surgical treatment
- Surgery: Microlaminectomy/discectomy/laminotomy/laminectomy
- Spinal fusion
- Deformity correction (scoliosis, kyphosis)
- Disc replacement
- Kyphoplasty/vertebroplasty
- Revision and complex surgery

Nonsurgical treatment
- Epidural steroid, facet joint and nerve root injections
- Radio frequency facet denervation
- Medial branch block
- Bracing
- Pain management
- Physical and occupational therapy

OHSU Physician Consult and Referral Service

To consult with our team, call:
503-494-4567
or 800-245-6478 toll-free
or fax 503-346-6854.
Our multidisciplinary team
Pain management

Grace Chen, M.D.

Academic appointment: Assistant professor
M.D.: University of Michigan, Ann Arbor, Mich.
Residency: Anesthesiology, Oregon Health & Science University, Portland, Ore.
Fellowship: Pain management, Comprehensive Pain Center, Oregon Health & Science University, Portland, Ore.
Board certification: American Board of Anesthesiology
Specialty: Pain management
Special interests: non-opioid treatment of spinal pain
Research interests: Diet and exercise in pain management

David M. Sibell, M.D.

Academic appointment: Professor
M.D.: University of Vermont, Burlington, Vt.
Residency: University of Virginia, Charlottesville, Va.
Fellowship: Pain management, University of Virginia, Charlottesville, Va.
Board certification: American Board of Anesthesiology; subspecialty certification in pain medicine
Specialty: Pain management
Special interests: Spinal pain management (chronic, cancer-related), radiofrequency cervical and lumbar medial branch denervation, cervical and lumbar discography, spinal cord stimulation, advanced spinal interventional techniques, radiofrequency sacroiliac joint denervation
Research interests: Spinal intervention outcomes
Physical medicine and rehabilitation

Hans L. Carlson, M.D.

Academic appointment: Associate professor
M.D.: Oregon Health & Science University, Portland, Ore.
Residency: Physical medicine and rehabilitation, Harvard University/Massachusetts General Hospital/Spaulding Rehabilitation Hospital, Boston, Mass.
Fellowship: Sports medicine, University of Illinois, Chicago, Ill.
Board certification: American Board of Physical Medicine and Rehabilitation
Specialty: Physical medicine and rehabilitation
Special interests: Sports and running injuries, back pain, knee and shoulder injuries, orthotics, prosthetics, electromyography (EMG)
Research interests: Spinal stenosis, cervical stenosis, lumbar stenosis and relationship of imaging abnormalities to functional impairments

Nels L. Carlson, M.D.

Academic appointment: Associate professor
M.D.: Oregon Health & Science University, Portland, Ore.
Residency: Physical medicine and rehabilitation, Harvard University/Massachusetts General Hospital/Spaulding Rehabilitation Hospital, Boston, Mass.
Fellowship: Neurophysiology, Brigham and Women's Hospital, Boston, Mass.
Board certification: American Board of Physical Medicine and Rehabilitation
Specialty: Physical medicine and rehabilitation
Special interests: Spine pain and rehabilitation, neuromuscular disorders, sports and running injuries, knee and shoulder injuries, orthotics, osteoarthritis, exercise for osteoarthritis, prosthetics and electromyography (EMG)
Research interests: Spinal stenosis, cervical stenosis, lumbar stenosis and relationship of imaging abnormalities to functional impairments, osteoarthritis, degenerative spine, spine arthritis, exercise-based management of spine pain
Erik R. Ensrud, M.D.

Academic appointment: Associate professor
M.D.: University of Minnesota Medical School, Minneapolis, Minn.
Residency: Combined physical medicine and rehabilitation and neurology, Harvard Medical School, Boston, Mass.
Fellowship: Neuromuscular medicine; Brigham and Women’s Hospital, Harvard Medical School, Boston, Mass.
Board certifications: American Board of Physical Medicine and Rehabilitation, American Board of Psychiatry and Neurology, American Board of Electrodiagnostic Medicine
Specialties: Physical medicine and rehabilitation, neurology, neuromuscular medicine, electromyography (EMG)
Special interests: Electromyography (EMG), combined musculoskeletal and neurologic patient evaluation, ultrasound assessment, clinical assessment of weakness and sensory changes
Research interests: Clinical evaluation of radiculopathy and myelopathy, nonsurgical treatment of radiculopathies

Megan Ward, M.S., P.A.-C.

Academic appointment: Instructor
P.A.-C.: Western University of Health Sciences, Pomona, Calif.
Board certification: National Commission on Certification of Physician Assistants
Specialty: Orthopaedic spine

Micah Bates, M.S., P.A.-C.

Academic appointment: Instructor
P.A.-C.: University of St. Francis, Joliet, Ill.
Board certification: National Commission on Certification of Physician Assistants
Specialty: Neurological surgery
Paolo Punsalan, M.D.

**Academic appointment:** Instructor

**M.D.:** University of the Philippines, Manila, Philippines

**Residency:** Philippine General Hospital

**Fellowships:** Bone and cartilage transplantation and joint revision surgery, Brisbane Private Hospital and Queensland Bone Bank, Brisbane, Australia; combined neurosurgical and orthopaedic adult spine surgery, University of Calgary Spine Program, Foothills Medical Centre, Calgary, Canada; paediatric spinal deformity surgery, University of Calgary Spine Program, Alberta Children's Hospital, Calgary, Canada; orthopaedic adult spine surgery, Oregon Health & Science University, Portland, Ore.

**Specialty:** Orthopaedic spine surgery

**Special interests:** Nonoperative treatment of neck and back pain, scoliosis and spinal deformity

**Research interests:** Clinical outcomes of operative and nonoperative treatment of disorders of the spine, biomaterials in animal spinal fusion models

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**Physician assistants**

Joanna Adams, M.S., P.A.-C.

**Academic appointment:** Instructor

**P.A.-C.:** Pacific University, Hillsboro, Ore.

**Board certification:** National Commission on Certification of Physician Assistants

**Specialty:** Neurological surgery

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Kara L. Berent, M.S., P.A.-C.

**Academic appointment:** Instructor

**P.A.-C.:** Pacific University, School of Physician Assistant Studies, Forest Grove, Ore.

**Board certification:** National Commission on Certification of Physician Assistants

**Specialty:** Orthopaedic spine
Caitlin DeDeaux, M.S., P.A.-C.

Academic appointment: Instructor
P.A.-C.: Louisiana State University Health Sciences Center — Physician Assistant Program, Shreveport, La.
Board certification: National Commission on Certification of Physician Assistants
Specialty: Neurological surgery

Tannia Fleming, M.S., P.A.-C.

Academic appointment: Instructor
Board certification: National Commission on Certification of Physician Assistants
Specialty: Orthopaedic spine

Catherine Thompson, P.A.-C., M.P.T.

Academic appointment: Instructor
P.A.-C.: Stanford University School of Medicine/Foothill College, Palo Alto, Calif.
Board certification: National Commission on Certification of Physician Assistants
Specialty: Neurological surgery

Physical therapists

Jamie Anderson, D.P.T.

Specialty: Spine rehabilitation
Scott Beadnell, P.T., D.P.T.
D.P.T.: Pacific University, Hillsboro, Ore.
Specialty: Orthopaedics and rehabilitation

Rachel Gribby, D.P.T., O.C.S.
D.P.T.: Elon University, Elon, N.C.
Specialty: Orthopaedics and rehabilitation

Emily A. Houston, P.T., D.P.T.
D.P.T.: University of California, San Francisco, Calif.
Specialty: Rehabilitation

Shilpa Joshi, D.P.T.
D.P.T.: Massachusetts General Hospital, Institute of Health Professions, Boston, Mass.
Specialty: Rehabilitation

Whitney Leipzig, D.P.T.
Specialty: Orthopaedics and rehabilitation and women's health
Kim Osterberger, P.T., D.P.T.
D.P.T.: New York University, New York, N.Y.
Specialty: Rehabilitation

William Rubine, M.S., P.T.
P.T.: Columbia University, New York, N.Y.
Specialty: Rehabilitation

Mollie Suits, M.S., P.T.
P.T.: Pacific University, Forest Grove, Ore.
Specialty: Rehabilitation

Surgeons

Jason J. Chang, M.D.
Academic appointment: Assistant professor
M.D.: University of Kentucky College of Medicine, Lexington, Ky.
Residency: Neurological surgery, University of Washington, Seattle, Wash.
Fellowship: Spine neurosurgery, Washington University, St. Louis, Mo.
Board eligible: American Board of Neurological Surgeons
Specialty: Neurological surgery of the brain and spine, complex spine problems
Special interests: Understanding the development of degenerative conditions of the cervical spine, which predispose some to the development of cervical myelopathy
Research interests: Traumatic brain and spinal cord injury
Jayme R. Hiratzka, M.D.

Academic appointment: Assistant professor
M.D.: University of Cincinnati College of Medicine, Cincinnati, Ohio
Residency: Orthopaedic surgery, Oregon Health & Science University, Portland, Ore.
Fellowship: Spine surgery, University of Utah, Salt Lake City, Utah
Board certification: American Board of Orthopaedic Surgery
Specialty: Orthopaedic surgery
Special interests: Degenerative spinal conditions, myelopathy and radiculopathy, spinal deformity, spinal tumors, trauma, minimally invasive surgery and cervical disk replacement
Research interests: Adult deformity/sagittal balance, spondylolisthesis, spine trauma/spinal cord injury

Clifford Lin, M.D., M.A.Sc., F.R.C.S.(C)

Academic appointment: Assistant professor
M.D.: Queen's University, Kingston, Ontario, Canada
Residency: Orthopaedics, University of Toronto, Canada
Fellowship: Complex spine surgery, University of Toronto, Canada
Board certification: American Board of Orthopaedic Surgery
Specialty: Comprehensive surgical treatment of spinal pathologies, including cervical, thoracic, lumbar and sacral regions, minimally invasive techniques and revision surgery
Special interests: Adult degenerative pathology, deformity (scoliosis and kyphosis), cervical myelopathy and radiculopathy, spinal instability and spondylolisthesis, trauma, and tumor
Research interests: Health economic impact of spinal procedures and patient outcomes, tissue engineering and the regeneration of biologic tissues from stem cells

Josiah Orina, M.D.

Academic appointment: Assistant professor
M.D.: Emory University School of Medicine, Atlanta, Ga.
Residency: Neurological surgery, Mayo Clinic, Rochester, Minn.
Fellowship: Orthopaedic complex spine surgery, University of California, San Francisco, Calif.
Board eligible: American Board of Neurological Surgeons
Specialty: Complex spinal surgery, neurosurgery of brain and spine
Special interests: Complex spinal deformity in adults and children, scoliosis/kyphosis, degenerative spine conditions, spinal column and spinal cord tumors, minimally invasive spine surgery, vascular malformations of the spine and spinal cord, cranial neurological surgery
Research interests: Assessment of clinical outcomes in spine surgery and value analysis of spine surgery
Donald A. Ross, M.D.

**Academic appointment:** Associate professor

**M.D.:** Indiana University School of Medicine, Indianapolis, Ind.

**Residency:** Department of Neurological Surgery, University of California, San Francisco, Calif.

**Fellowship:** Cranial base surgery, University of Pittsburgh Medical Center, Pittsburgh, Pa.

**Board certification:** American Board of Neurological Surgery

**Specialty:** Neurological surgery

**Special interests:** Minimally invasive spine surgery and neuro-oncology and brain tumors

Khoi D. Than, M.D.

**Academic appointment:** Assistant professor

**M.D.:** Johns Hopkins University School of Medicine, Baltimore, Md.

**Residency:** Neurosurgery, University of Michigan, Ann Arbor, Mich.

**Fellowship:** Minimally invasive and complex spine surgery, University of California, San Francisco, Calif.

**Board eligible:** American Board of Neurological Surgeons

**Specialty:** Neurological surgery and complex spinal deformities

**Special interests:** Surgical treatment of degenerative, traumatic, infectious, and neoplastic spinal conditions (cervical, thoracic, lumbar, sacral), scoliosis/adult spinal deformity, minimally invasive spine surgery, and revision spine surgery

**Research interests:** Clinical outcomes following spine surgery, including adult spinal deformity, spondylolisthesis, and spinal cord injury

Jung U. Yoo, M.D.

**Academic and clinical appointments:** Professor; department chairman, orthopaedics and rehabilitation; co-director, OHSU Spine Center

**M.D.:** University of Chicago School of Medicine, Chicago, Ill.

**Residency:** Case Western Reserve University, Cleveland, Ohio

**Fellowship:** Spine, State University of New York Health Science Center, Syracuse, N.Y.

**Board certification:** American Board of Orthopaedic Surgery

**Specialty:** Orthopaedic surgery

**Special interests:** Surgical treatment of spinal conditions (cervical, thoracic, lumbar), revision spine surgery

**Research interests:** Stem cell and biomaterials in spine fusion and complications and outcomes of spine surgery
Traveling Continuing Medical Education (CME) Program

Our team strives to provide relevant education to fellow health care professionals; one way we do so is through our Spine Traveling CME courses. These one-hour, CME-accredited sessions are facilitated by OHSU physicians and may take place at your clinic, allowing for required education credits to be earned in the convenience of your own offices. Topics offered include:

- Cervical radiculopathy
- Cervical spondylotic myelopathy
- Common (cervical/lumbar) spinal disorders
- Conservative treatment of spine pain
- Degenerative conditions of the spine
- Diagnosis and treatment of low back pain – focus on function
- Adult spinal deformity
- Minimally invasive spine surgery

To learn more about our courses or to schedule a lecture, please contact OHSU provider relations manager Dina Girgenti-lida.

Dina Girgenti-lida
Provider Relations Manager, Spine
503-494-6535
girgenti@ohsu.edu
OHSU Telemedicine Network – TeleSpine Services

The OHSU Telemedicine Network partners with physicians throughout Oregon and southwest Washington to provide patients ready access to OHSU’s multidisciplinary team of spine specialists — with patients able to remain in their community.

Using secure two-way video communication, OHSU’s spine team can examine patients and make diagnosis and treatment recommendations for a full range of spinal diseases, including scoliosis, cervical myelopathy and radiculopathy, cervical disc herniation, lumbar disk herniation, spinal stenosis, spinal column tumors, deformities, trauma and spondylolisthesis.

Benefits of telemedicine

- May allow patients to be treated in their own community.
- Provides patients access to the latest spinal care not otherwise available.
- Avoids unnecessary and expensive travel or transports.

How telemedicine works

Participating clinics are equipped with a mobile videoconferencing cart that can easily be moved to the patient exam room. An OHSU spine specialist connects to the telemedicine cart with a computer and a secure two-way video connection. With the help of a medical assistant in the exam room, the OHSU specialist can examine the patient, read MRIs and X-rays, consult with the local physician and answer a patient’s questions.

For more information, please contact the OHSU Telehealth Services Department at 503-418-3794 or visit www.ohsu.edu/telemedicine.

Stay informed about your patient’s care at OHSU

You can get easy, online access to your patient’s medical record. With OHSU Connect, you’ll have secure, HIPAA-compliant, web-based access to EPIC, OHSU’s electronic medical record.

Through OHSU Connect, you’ll have real-time access to:

- Lab results, imaging reports, progress notes, discharge summaries and other medical documentation.
- Email notification of select patient activity (e.g., ED visits, abnormal lab results, admissions).
- Secure messaging with OHSU medical staff.

For more information about OHSU Connect contact OHSU provider relations manager Dina Girgenti-Iida at 503-494-6535 or email girgenti@ohsu.edu.
What are patient-reported outcomes?

“Patient-reported outcomes” simply means information from patients about their health. Patient-reported outcomes are collected on a standard questionnaire in the patient’s MyChart.

Why does the OHSU Spine Center use patient-reported outcomes?

The patient’s answers help you as the primary care provider determine the best treatment options for your patient and you can track their progress over time. Many insurers require completed patient-reported outcomes to authorize treatment.

What is on the patient-reported outcomes questionnaire?

The questionnaire is about the patient’s back or neck pain and how it affects their daily life and well-being. The questionnaire has 30 short questions and takes about 15 minutes to answer.

How often do your patients need to complete a questionnaire?

The patients will be asked to complete a Spine Center patient-reported outcomes questionnaire for the following:

- First visit.
- Last visit was more than three months ago.
- Presurgery appointment and the last questionnaire completed was more than six weeks ago.
- It is three, six, 12 or 24 months after surgery, as shown below.

Should my patient complete the questionnaire before their appointment?

Yes. Completing it electronically before their visit makes their check-in process faster. Your patient simply completes the questionnaire in the secure MyChart account, at home before their visit.
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or toll-free **800-245-6478**
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**OHSU Spine Center**
Oregon Health & Science University
Mail code: CH8N
Center for Health & Healing
3303 S.W. Bond Ave., 12th Floor
Portland, OR 97239-3098
Tel: 503-418-9888
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OHSU is an equal opportunity, affirmative action institution.