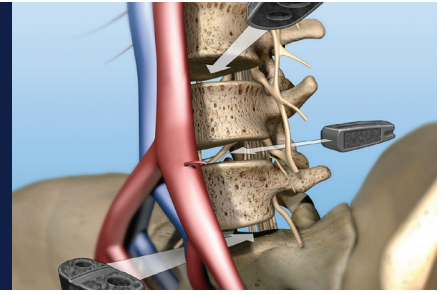


# Spine Center

ucsfhealth.org/spine



## AMONG THE NATION'S BEST

UCSF Medical Center is nationally ranked in orthopedics and neurology & neurosurgery.



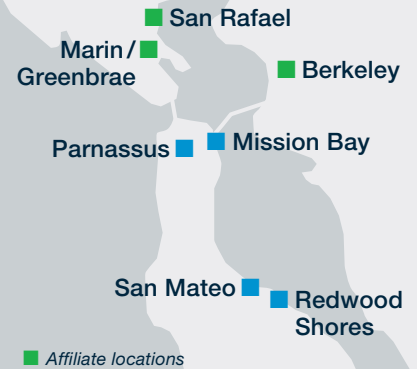
ANNUAL PATIENT VISITS  
**23,000**



ANNUAL SPINE PROCEDURES\*  
**1,840** interventional procedures  
**2,250** surgeries

\*Figures are for calendar year 2019.

## CLINIC LOCATIONS



The UCSF Spine Center offers comprehensive management for all disorders of the spine, spinal cord and nerve roots. With highly trained experts in the latest surgical and nonsurgical approaches to spinal care, we deliver diagnostic and therapeutic services that are unparalleled in Northern California. Our specialists in numerous disciplines – including neurosurgery, orthopaedic surgery, minimally invasive surgery, physical medicine and rehabilitation, pain medicine, oncology and anesthesia – collaborate to provide options that suit patients' individual needs and goals. For all of our patients, we seek to eliminate pain, restore functional capacity and improve quality of life.

## PROGRAM FEATURES

- World-renowned specialists working together to design the most effective treatment plans, personalized to prevent complications and reoperation
- EOS imaging, which can obtain high-quality 3D views of the spine using low-dose radiation
- State-of-the-art diagnostic and surgical tools
- A multidisciplinary team approach to managing comorbidities, such as osteoporosis and arthritis
- Awake spine surgery for minimally invasive fusions and decompressions (an option not offered at most U.S. medical institutions)
- Experts in revision spinal surgery for failed surgeries (such as fusions) or complications
- Nonoperative treatments for chronic back pain, including minimally invasive procedures, spinal injections and other modalities for pain management
- Experience in caring for both adult and pediatric patients
- Ease of access for referral and follow-up

MORE →

## INFORMATION / REFERRALS

- PHONE (866) 817-7463 or (415) 353-2739
- FAX Neuro spine: (415) 353-2176 | Ortho spine: (415) 353-4047

UCSF Health

## CONDITIONS TREATED

- Deformities:
  - Ankylosing spondylitis
  - Flatback syndrome
  - Kyphosis, including when secondary to osteoporosis
  - Lordosis
  - Scoliosis (adolescent and adult)
- Degenerative conditions:
  - Degenerative spine disease
  - Disc herniation, including cervical, lumbar and thoracic
  - Failed back syndrome
  - Failed fusions or adjacent-level pathology
  - Osteoporotic and geriatric spinal pathology
  - Rheumatoid arthritis
  - Sciatica and spondylolisthesis
  - Spinal canal stenosis, such as neural foraminal stenosis of the cervical, thoracic or lumbar spine
  - Vascular malformations of the spinal cord
- Spinal trauma
- Spinal tumors (primary, metastatic and intradural)

## WHY REFER TO UCSF?

- Equipped with the latest technologies, including:
  - Intraoperative CT scan and navigation systems
  - Robotic-assisted spinal surgery
  - State-of-the-art neuromonitoring
  - CyberKnife radiosurgery
- A dedicated central nervous system metastases clinic focused on spinal tumors
- A monthly spinal tumor board for challenging cases involving primary and metastatic spine tumors, plus a weekly complex case conference for urgent conditions that can't wait
- An active artificial intelligence research program that focuses on predictive models for complications, outcomes and costs and works with nationally recognized alliances and projects, such as the International Spine Study Group and American Spine Registry
- Ongoing clinical trials that expand treatment options for many patients

## OUR TEAM

### ANESTHESIOLOGIST AND PAIN MANAGEMENT SPECIALIST

Conor O'Neill, MD

### NEURORADIOLOGIST

Andreas Rauschecker, MD, PhD, MSc

### NEUROSURGEONS

Nima Alan, MD

Christopher Ames, MD

Co-Director, UCSF Spine Center

Tarun Arora, MD

Aaron Clark, MD, PhD

Praveen Mummaneni, MD, MBA

Co-Director, UCSF Spine Center

Lee Tan, MD

Blake Taylor, MD

### ORTHOPAEDIC SURGEONS

Sigurd Berven, MD

Shane Burch, MD

Vedat Deviren, MD

Mohammad Diab, MD

Ashraf El Naga, MD

Kevin Hwang, MD

Lionel Metz, MD

Bobby K-B Tay, MD

Director, UCSF Spine Center

Alekos Theologis, MD

### PHYSICAL MEDICINE AND REHABILITATION SPECIALISTS

Sibel Demir-Deviren, MD

Robert Gamburd, MD

Paolo Mimbella, MD

Michael Pico, MD

Lyndly Tamura, MD

Patricia Zheng, MD

### PHYSICAL MEDICINE AND PAIN MEDICINE SPECIALIST

Peter I-Kung Wu, MD, PhD

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