



Ripul R. Panchal, D.O.

Clinical Interests

Dr. Panchal's clinical subspecialty is the management of spinal disorders including trauma, tumors (spinal and intradural), degenerative disease and osteoporotic fractures, adult deformity, infection, complex spinal revision and reconstructive surgeries. His surgical expertise includes minimal invasive spine surgery, computer-assisted surgery, and motion preservation surgery (disc replacement surgery).

Dr. Panchal's research focuses on biomechanics of the spine, spine and spinal cord injuries, and spinal instrumentation. He also is involved in national clinical trials involving cervical spondylolytic myelopathy, spinal cord injury, biologics to enhance spinal fusion, and stem cells for lumbar disc regeneration and cervical fusion. Dr. Panchal has been invited to present his research at the national level and serves as a peer reviewer for Global Spine Journal, The Journal of the American Osteopathic Association, and World Journal of Orthopedics.

Dr. Panchal integrates his growing interest in spine pathophysiology and biomechanics with his humanistic inclinations to provide the most comprehensive, compassionate neurosurgical care. He uses telemedicine to bring care to patients who otherwise would not be able to receive neurosurgical consultation.

Title Assistant Professor

Specialty Neurological Surgery

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UC Davis Medical Group

Division Neurological Surgery
UC Davis Medical Group, Rocklin

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Languages	Gujarati
Education	D.O., Des Moines University, Des Moines, IA, 2005 B.S., Benedictine University, Lisle, IL, 2001
Internships	Riverside County Regional Medical Center, Moreno Valley, CA, 2005-06
Residency	Arrowhead Regional Medical Center/Western University, Colton, CA, 2006-11
Fellowships	UC Davis Medical Center, Sacramento, CA, 2011-12
Board Certifications	American Osteopathic Board of Surgery-Neurological Surgery, 2012
Professional Memberships	American College of Osteopathic Surgeons (ACOS) American Osteopathic Association AO Spine California Association of Neurological Surgeons North American Spine Society Sigma Sigma Phi Honorary Service Fraternity The Osteopathic Cranial Academy
Honors and Awards	George W. Northup, DO, Medical Writing Award, 2011 Osteopathic Physicians and Surgeons of California's Resident Research Paper Award, 2010 Scientific Poster Presentation in the field of Neurological Surgery, ACOS, 2010 Robert C. Erwin Literary Award, 2010 Residency Advisory Committee Service Award, 2007
Select Recent Publications	Panchal RR, Hutton DS, Kim KD. Bilateral cerebellar infarcts from vertebral artery insufficiency caused by cervical osteophyte. <i>Journal of Spine</i> . July 2012; 1:122 Cramer D, Miulli D, Valcore J, Taveau JW, Do N, Hutton DS, Sonti G, Wogu E, Boorman CF, Panchal RR. The effects of osteopathic manipulation on intracranial pressure in patients with severe closed injuries. <i>The Journal of the American Osteopathic Association</i> . April 2010; 110(4): 232-238 Glick RP, Lichtor T, Panchal R, Mahendra A, Cohen EP. Treatment of allogeneic interleukin-2 secreting fibroblasts protects against the development of malignant brain tumors. <i>Journal of Neuro-Oncology</i> . August 2003; 64(1-2): 139-46



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