



## Munish C. Gupta, M.D.

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| <b>Clinical Interests</b>         | Munish C. Gupta is an adult and pediatric spine care specialist. His areas of expertise focus on spinal reconstructive surgery, including repair of spinal deformities associated with scoliosis, multiple surgeries and severe spine problems. Gupta is conducting research to develop an animal model to enhance spinal fusion. |
| <b>Title</b>                      | Chief of Orthopaedic Spinal Disorders Service<br>Co-Director of Spine Center<br>Professor   |
| <b>Specialty</b>                  | Orthopaedic Surgery - Spinal Disorders  |
| <b>Department</b>                 | Orthopaedic Surgery   |
| <b>Division</b>                   | Orthopaedic Surgery   |
| <b>Center/Program Affiliation</b> | <a href="#">Spine Center</a>  |
| <b>Address/Phone</b>              | Cannery Building, Spine Center, 3301 C St. Suite 1500 Sacramento, CA 95816<br><b>Phone:</b> 916-734-7463  |
| <b>Additional Phone</b>           | Physician Referrals: 800-4-UCDAVIS (800-482-3284)   |
| <b>Education</b>                  | M.D., Northwestern University, Chicago, Illinois, 1986<br>B.S., Northwestern University, Evanston, Illinois, 1982   |
| <b>Internships</b>                | Northwestern University, Chicago, Illinois, 1986-87   |
| <b>Residency</b>                  | Northwestern University, Chicago, Illinois, 1987-91   |
| <b>Fellowships</b>                | Kenton D. Leatherman Spine Center and University of Louisville, Louisville, Kentucky, 1991-92   |
| <b>Board Certifications</b>       | American Board of Orthopaedic Surgery, 2005   |
| <b>Professional Memberships</b>   | American Academy of Orthopaedic Surgeons<br>American College of Surgeons<br>American Medical Association<br>American Osteopathic Association<br>California Orthopaedic Association  |



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Federation of Spine Association  
Medical Advisory Board, Sacramento Valley Chapter  
National Scoliosis Foundation  
North American Spine Society  
Paul R. Lipscomb Society  
Scoliosis Association, Inc.  
Scoliosis Research Society  
Western Orthopaedic Association

### Honors and Awards

Distinguished Service Award, City of Detroit, 2004  
Teacher of the Year, Orthopaedic Department, 2002  
Spirit of Detroit Award for Work in West Africa, 2001  
Teacher of the Year, Orthopaedic Department, 1999  
Chief Residents' Special Recognition Award for Excellence in Teaching, 1998

### Select Recent Publications

Chan, D, Khan, S, Ye, X, Curtiss, S, Gupta, M, Klineberg, E. Mechanical Deformation and Glycosaminoglycan Content Changes in a Rabbit Annular Puncture Disc Degeneration Model, Neu, C, Spine 2011 Jan 25.

Klineberg E, Schwab FJ, Ames CP, Hostin R, Bess S, Smith JS, Gupta, MC, Boachie-Adjei, O, Hart, RA, Akbarnia, BA, Butron, DC, Lafage V. Acute Reciprocal Changes Distant from the Site of Spinal Osteotomies Affect Global Postoperative Alignment, The International Spine Study Group, Advances in Orthopedics, vol. 2011, Article ID 415946, 7 pages, 2011.

Tang, Y, Ye, X, Klineberg, E, Curtiss, S, Maitra, S, Gupta, MC. Temporal and spatial expression of BMP's and BMP antagonists during posterolateral lumbar fusion, Spine, 2010 Nov 19.

Khan SN, Hofer MA, Gupta MC. Lumbar degenerative scoliosis: outcomes of combined anterior and posterior pelvis surgery with minimum 2-year follow-up. Orthopedics, 32(4): 112-5. 2009

Khan, S.N., Edmonds, E.w., Titelman, R.M., Gupta, M.C. Using Suture Anchors for Cervical Laminoplasty: A Reliable Safe and Simple Technique, The American Journal of Orthopaedics, Am J Orthop, 37(8): 400-2. 2008

Gupta MC, Theerajunvaporn T, Maitra S, Schmidt NB, Holy CE, Kadiyala S, Bruder SP: Efficacy of mesenchymal stem cell enriched grafts in an ovine posterolateral lumbar spine model. Spine. 2007 April 1;32(7): 720-6.

Gupta MC, Wijesekera S, Sossan A, Martin L, Vogel LC, Boakes JL, Lerman JA, McDonald CM, Betz RR: Reliability of radiographic parameters in neuromuscular scoliosis. Spine. 2007 Mar 15;32(6): 691-5



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Huang P, Gupta MC, Sarigul-Klihn N, Hazelwood S: Two in vivo surgical approaches for lumbar corpectomy using allograft and a metallic implant: a controlled clinical and biomechanical study. Spine J. 2006 Nov-Dec;6(6):648-58.

Cheng, I., Kim, Y., Gupta, M., Bridwell, K., Hurford, R., Lee, S., Awaya, D., Theerajunyaporn, T., Lenke, L. Apical Sublaminar Wires versus Pedicle Screws – Which Provides Better Results for Surgical Correction of Adolescent Idiopathic Scoliosis? Spine, Vol.30(18), 2104-2112.

Gupta MC, Khan SN: Application of bone morphogenetic proteins in spinal fusion. Cytokine Growth Factor Rev. 2005 June;16(3):347-55.

Button G, Gupta M, Barrett C, Cammack P, Benson D: Three- to six-year follow-up of stand-alone BAK cages implanted by a single surgeon. Spine J. 2005 Mar-Apr;5(2):155-60

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