



captured 4/30/14

Orthopedics

K. Daniel Riew, MD

Current Position

Mildred B. Simon Distinguished Professor of Orthopaedic Surgery
Chief, Cervical Spine Surgery
Washington University Orthopedics
Professor, Neurological Surgery

Specialty Areas

Spine Surgery - Orthopedic
Cervical Spine Surgery
Orthopedic Surgery

Additional Features & Interviews with Dr. Riew:

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[Local Media: Excellence in Spine Surgery](#)

[Orthopedics This Week](#)

[Visit Dr. Riew's page on the Orthopedic Surgery website](#)

[Washington University Record](#)

Patients Seen At

Center for Advanced Medicine
Cervical Spine Institute
4921 Parkview Place, A, 12
St. Louis, MO 63110
314-747-2500
Fax: 314-747-2599

[View Floor Map](#) [View Campus Map](#) [View Driving Directions](#)

Mailing Address

Washington University School of Medicine
Department of Orthopedic Surgery
660 South Euclid Avenue, Campus Box 8233
St. Louis, MO 63110

Academic Office

Department of Orthopedic Surgery
One Barnes-Jewish Hospital Plaza, 11300 West Pavilion
St. Louis, MO 63110

Areas of Clinical Interest

Practice limited to the operative treatment of the cervical spine. Performs between 250 and 300 cervical spine operations each year, including everything from minimally invasive microsurgical procedures done on an outpatient basis to the most complex "chin-on-chest" or "ear-on-shoulder" deformities. Anterior and posterior operations including fusions and motion sparing operations. He has a strong interest in cervical artificial disc replacements and has performed single, multi-level and hybrid (fusion and artificial disc) operations on a large number of patients.

Patients from Asia, Europe, South America, India, Australia and the Middle East, as well as throughout the United States have sought out his expertise. Among these are over fifty physicians who were operated on by Dr. Riew, including several spine surgeons. His patients include professional baseball, football, hockey, and golf players and he was selected to lead a group of spine experts at Washington University that is responsible for the care of retired National Football League players.

For information about Dr. Riew and his work with the cervical spine, please visit [Washington University Orthopedics](#) An Amazing Medical Ability

Areas of Research Interest

Artificial Cervical Disc Replacement, effect of medications on bone healing, selective nerve root blocks.

Board Certification

Internal Medicine -- Certified

Orthopedic Surgery -- Certified

Medical Education

Medical Degree: Case Western Reserve, Cleveland, Ohio, 1984

Residency: Internal Medicine, New York Hospital-Cornell Medical Center, Ithaca, New York, 1987

Fellowship: Congestive Heart Failure Research, Cornell Medical Center, Ithaca, New York, 1988

Fellowship: Biomechanics research fellowship, The Hospital for Special Surgery, New York, New York, 1989

Residency: Orthopedic Surgery, George Washington University Hospital, Washington D.C., 1994

Fellowship: Spine, Case Western Reserve University, University Hospitals of Cleveland, Ohio, 1995

Hospital Affiliations

Barnes-Jewish Hospital

Honors and Awards

Listed in *Best Doctors in America*, 2003-2013 (Best Doctors, Inc.)

Listed in *America's Top Doctors*, 2002-2012 (Castle Connolly Medical Ltd.)

Top 10% Clinician Award, 2012-2013 (Washington University School of Medicine)

Outstanding Clinical Service Award, 1999, 2000, 2003

Disclosure of Financial Interests with Industry

Washington University and its physicians are committed to ensuring integrity and objectivity in medical decision-making. Some of our physicians work collaboratively with pharmaceutical or medical device companies to develop innovative ideas and products that can improve health care delivery and clinical outcomes for patients. In some instances, our faculty physicians are paid by these commercial companies to provide advice on product design or to speak about the use of

medications, devices, equipment or procedures. These payments may include: a) compensation for consulting and speaking engagements, b) equity, and/or c) royalties for products invented by our faculty. Any payments to Washington University physicians must be based on tangible services and may not exceed fair market value for their work. In addition to disclosure on this web site, physicians earning more than \$10,000 per year must disclose their corporate financial relationship in writing to patients when prescribing or using that company's products.

Dr. K. Daniel Riew reported the following earned financial interests during calendar year 2013. Move your mouse over a header for more info.

Company	Royalties	Equity	Consulting & Advisory Boards	Speaker Fees
Biomet Spine	> \$200,000			
Medtronic Corporation	> \$200,000			
Osprey Biomedical Corporation		Yes		
Expanding		Yes		
Spineology		Yes		

To learn more about Washington University's policies on collaborations with industry, [click here](#).

Selected Peer-Reviewed Manuscripts (a few of >100 Peer-Reviewed Articles)

Song KS, Piyaskulkaew C, Chuntarapas T, Buchowski JM, Kim HJ, Park MS, Kang H, Riew KD. Dynamic radiographic criteria for detecting pseudarthrosis following anterior cervical arthrodesis. J Bone Joint Surg Am. 2014 Apr 2;96(7):557-63.

Lehmann CL, Buchowski JM, Stoker GE, Riew KD. Neurologic recovery after anterior cervical discectomy and fusion. Global Spine J. 2014 Feb;4(1):41-6.

Shipley K, Riew KD, Gilula LA. Fluoroscopically guided extraforaminal cervical nerve root blocks: analysis of epidural flow of the injectate with respect to needle tip position. Global Spine J. 2014 Feb;4(1):7-12.

Stoker GE, Kim HJ, Riew KD. Differentiating c8-t1 radiculopathy from ulnar neuropathy: a survey of 24 spine surgeons. Global Spine J. 2014 Feb;4(1):1-6.

O'Neill KR, Neuman B, Peters C, Riew KD. Risk factors for postoperative retropharyngeal hematoma after anterior cervical spine surgery. Spine (Phila Pa 1976). 2014 Feb 15;39(4):E246-52.

Park MS, Mesfin A, Stoker GE, Song KS, Kennedy C, Riew KD. Sagittal range of motion after extensive cervical fusion. Spine J. 2014 Feb 1;14(2):338-43.

Zebala LP, Chuntarapas T, Kelly MP, Talcott M, Greco S, Riew KD. Intrawound vancomycin powder eradicates surgical wound contamination: an in vivo rabbit study. J Bone Joint Surg Am. 2014 Jan 1;96(1):46-51.

Kelly MP, Mitchell MD, Hacker RJ, Riew KD, Sasso RC. Single-level degenerative cervical disc disease and driving disability: results from a prospective, randomized trial. Global Spine J. 2013 Dec;3(4):237-42.

Stoker GE, Buchowski JM, Chen CT, Kim HJ, Park MS, Riew KD. Hypovitaminosis D and Cervical

Disk Herniation among Adults Undergoing Spine Surgery. *Global Spine J.* 2013 Dec;3(4):231-6.

Park MS, Moon SH, Lee HM, Kim SW, Kim TH, Min SK, Suh BK, Riew KD. Do Anterior Cervical Osteophytes Prevent Dynamization of Cervical Dynamic Plates? *J Spinal Disord Tech.* 2013 Dec 11. [Epub ahead of print]

Song KS, Chaiwat P, Kim HJ, Mesfin A, Park SM, Riew KD. Anterior cervical fusion assessment using reconstructed computed tomographic scans: surgical confirmation of 254 segments. *Spine (Phila Pa 1976).* 2013 Dec 1;38(25):2171-7.

Heller JG, Raich AL, Dettori JR, Riew KD. Comparative Effectiveness of Different Types of Cervical Laminoplasty. *Evid Based Spine Care J.* 2013 Oct;4(2):105-115. Review.

Park MS, Kelly MP, Lee DH, Min WK, Rahman RK, Riew KD. Sagittal alignment as a predictor of clinical adjacent segment pathology requiring surgery after anterior cervical arthrodesis. *Spine J.* 2013 Oct 23.

Riew KD, Raich AL, Dettori JR, Heller JG. Neck Pain Following Cervical Laminoplasty: Does Preservation of the C2 Muscle Attachments and/or C7 Matter? *Evid Based Spine Care J.* 2013 Apr;4(1):42-53. Review.

Daffner SD, Hilibrand AS, Riew KD. Why Are Spine Surgery Patients Lost to Follow-up? *Global Spine J.* 2013 Mar;3(1):15-20.

For more articles and abstracts, take this off-site link to the National Library of Medicine [Pub Med page for Dr. K. Daniel Riew](#)