

CURRICULUM VITAE



ROBERT G. WATKINS, IV, M.D.

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EDUCATION

AMERICAN BOARD OF ORTHOPEDIC SURGERY

Board Certification, 2007

EUROPEAN AND UNITED STATES TRAVELING FELLOWSHIP

Fellow, July-October, 2004

CENTRE FOR SPINAL STUDIES AND SURGERY - QUEEN'S MEDICAL CENTRE, Nottingham, UK

Fellow, 2003-2004

LOS ANGELES COUNTY – UNIVERSITY OF SOUTHERN CALIFORNIA ORTHOPEDIC DEPARTMENT, Los Angeles, CA

Resident, 1998-2003

UNIVERSITY OF SOUTHERN CALIFORNIA SCHOOL OF MEDICINE, Los Angeles, CA

MD, 1994-1998

VANDERBILT UNIVERSITY, Nashville, TN

BA Philosophy, 1990-1994

PUBLICATIONS

Watkins RG IV, Watkins RG III. Spondylolysis and Spondylolisthesis in Athletes. Seminars in Spine Surgery, October 2010. Editor: Hecht. Elsevier.

Watkins RG IV, Gupta A, Watkins RG III. Cost-Effectiveness of Image-Guided Spine Surgery. The Open Orthopaedics Journal; (in press – 2010) 4:228-233

Watkins RG IV, Watkins RG III. Cervical and Lumbar Spine Surgery: Chapters 60 and 61. In *Spine Secrets*, 2nd edition. (in press – 2010) Editor: Devlin. Saunders Elsevier

Watkins RG IV. Spine-related injury prevention in the athlete: trunk stabilization exercises. In *Orthopedic Sports Medicine*. (in press – 2010) Editors: Delee, Drez, Miller. Saunders Elsevier.

Watkins RG IV, Hussain N, Freeman BJ, et al. Instrumentation for thoraco-lumbar adolescent idiopathic scoliosis: Do structural interbody grafts preserve sagittal alignment better than morselized rib autografts? *Spine* 2006;31(20):2337-42.

Watkins RG IV, Watkins RG III, Williams, LA, et al. The stability of the ribcage and sternum in the thoracic spine. *Spine* 2005;30:1283-6.

Watkins RG III, Watkins RG IV, Williams LA. MLD results for 60 cases of professional and Olympic athletes. *Spine J* 2003 Mar-Apr;3:100-5.

Watkins RG IV, Reynolds R, McComb JG, Tolo V. Lymphangiomas of the spine: two cases requiring surgical intervention. *Spine* 2003;28:E45-50.

Lynn B, Watkins RG III, Watkins RG IV, Williams LA. Acute traumatic myelopathy secondary to a thoracic cyst in a professional football player. *Spine* 2000;25:1593-5.

Dorr LD, Bechtol C, Watkins R, Wan Z. Radiographic anatomic structure of the arthritic acetabulum and its influence on total hip arthroplasty. *J Arthroplasty* 2000;15:890-900.

Hedman TP, Liao WL, Lu J, Watkins R, Liker M. Decrease in strength of posterior disc and longitudinal ligament resulting from fatigue damage. 4th Annual Meeting, Orthopedic Research Society, 1998

Watkins RG IV, Watkins RG III. Cervical spine and spinal cord injuries. In *Sports Injuries*, 2nd Ed. Editors: Fu F, Stone DA. Lippincott Williams & Wilkins.

Watkins RG IV, Watkins RG III. Spondylolisthesis, non-generative. In *The Lumbar Spine*, 3rd Ed. Editors: Herkowitz HN, Dvorak J, Bell G, Nordin M, Grob D. Lippincott Williams & Wilkins.

Watkins RG III, Watkins RG IV. Lateral approach to the disc. In *Surgical Approaches to the Spine*, 2nd Ed. Editor: Watkins, RG III.

Watkins RG III, Watkins RG IV. Bilateral paraspinous lumbosacral approach. In *Surgical Approaches to the Spine*, 2nd Ed. Editor: Watkins, RG III.

Watkins RG IV. Approaches to the spine. In *Spinal Surgery for Nurses*. Editor: Corbett S. In press.

PRESENTATIONS

Watkins, RG IV. Three-dimensional Fluoroscopy Spinal Navigation. Cedars-Sinai Spine Surgery Symposium, 2010.

Watkins, RG IV. New Techniques in Spine Surgery. National Athletic Trainers Association Annual Meeting, 2007.

Watkins, RG IV. Image Guided Spine Surgery. Western Orthopedic Association Annual Meeting, 2007.

Watkins, RG IV. Medical management of lumbar pain and injury in the performing artist. Annual Meeting, American Physical Therapy Association, 2006.

Watkins RG IV, Hussain N, Freeman BJ, et al. Instrumentation for thoraco-lumbar adolescent idiopathic scoliosis: Do structural interbody grafts preserve sagittal alignment better than morselized rib autografts? 40th Annual Meeting, Scoliosis Research Society, 2005.

Watkins RG IV, Williams LA, Watkins RG III, et al. The stability of the ribcage and sternum in the thoracic spine. New Frontiers in Biomechanics Research, North American Spine Society, 2004.

LEADERSHIP

MARINA SPINE CENTER

2007-present Co-Director

MARINA DEL REY HOSPITAL

2010-present Physician Review Peer Committee, member

LIFE ROLLS ON FOUNDATION

2008-present Medical Advisor

SCOLIOSIS RESEARCH SOCIETY

2006-2007 Morbidity and Mortality Committee, member

UNIVERSITY OF SOUTHERN CALIFORNIA LEADERSHIP INSTITUTE

1997-1998 Presidential Fellow

ASSOCIATED STUDENTS SCHOOL OF MEDICINE

1996-1997 Student Body Co-President

1995-1996 Student Body Co-President

1997-1998 Bravo High School Mentor Program, founder

1996-1998 Medical Student Committee for Education, founder

ORGANIZED MEDICINE

1996-1998 LACMA Action Team, member
May, 1997 CMA Representative in Sacramento

TEACHING

LOS ANGELES SPINE SURGERY INSTITUTE AT ST. VINCENT'S MEDICAL CENTER

ORTHOPEDIC SPINE SURGERY FELLOWSHIP

2004-2007 Attending staff

INSTRUCTIONAL COURSES

Jan, 2010 Medtronic DLIF Course, chairman
Dec, 2009 Marina Physical Therapy Seminar, chairman
Apr, 2009 Pioneer Crossfuse Course, chairman
Mar, 2010 Pioneer Crossfuse Course, chairman
Nov, 2009 Pioneer Crossfuse Course, chairman
Oct, 2009 Medtronic DLIF Course, chairman
Sept, 2009 Pioneer Crossfuse Course, chairman
Aug, 2009 Pioneer Crossfuse Course, chairman
July, 2009 Medtronic DLIF Course, chairman
July, 2009 Pioneer Crossfuse Course, chairman
July, 2009 BrainLAB Spine Navigation Course, chairman
June, 2009 Marina Athletic Trainers Conference, chairman
Apr, 2009 Marina Physical Therapy Seminar, chairman
Mar, 2009 Medtronic DLIF Course, faculty
Mar, 2009 Medtronic DLIF Course, chairman
Feb, 2009 Medtronic DLIF Course, faculty
Feb, 2009 Blackstone Minimally Invasive Spine Surgery Course, faculty
Jan, 2009 Medtronic DLIF Course, faculty
Jan, 2009 Medtronic DLIF Course, faculty
Jan, 2009 Medtronic DLIF Course, faculty
Dec, 2008 Marina Physical Therapy Seminar, chairman
Oct, 2008 BrainLAB Spine Navigation Course, faculty
Sept, 2008 Blackstone Minimally Invasive Spine Surgery Course, faculty
Aug, 2008 Blackstone Minimally Invasive Spine Surgery Course, chairman
Aug, 2008 Blackstone Minimally Invasive Spine Surgery Course, faculty
June, 2008 Marina Athletic Trainers Conference, chairman
Mar, 2008 Marina Physical Therapy Seminar, chairman
Mar, 2008 Blackstone Minimally Invasive Spine Surgery Course, faculty
Dec, 2007 Marina Physical Therapy Seminar, chairman
July, 2007 Blackstone Minimally Invasive Spine Surgery Course, faculty
Feb, 2007 Synthes Prodisc Instructional Course, faculty
Nov, 2006 Blackstone Minimally Invasive Spine Surgery Course, chairman
Oct, 2006 Synthes Prodisc Instructional Course, faculty

VISITING SURGEON PROGRAM

Feb, 2010 BrainLAB Visiting Surgeon Program, teacher

Jan, 2010	BrainLAB Visiting Surgeon Program, teacher
Dec, 2009	BrainLAB Visiting Surgeon Program, teacher
Oct, 2009	BrainLAB Visiting Surgeon Program, teacher
Jun, 2009	Medtronic Visiting Surgeon Program, teacher
Jun, 2009	Medtronic Visiting Surgeon Program, teacher
Jun, 2009	Medtronic Visiting Surgeon Program, teacher
Jun, 2009	Pioneer Visiting Surgeon Program, teacher
Apr, 2009	Blackstone Surgeon Education Course, chairman
Apr, 2009	Pioneer Visiting Surgeon Program, teacher
Mar, 2009	Medtronic Visiting Surgeon Program, teacher
Mar, 2009	Medtronic Visiting Surgeon Program, teacher
Mar, 2009	BrainLAB Visiting Surgeon Program, teacher
Feb, 2009	Blackstone Surgeon Education Course, chairman
Feb, 2009	BrainLAB Visiting Surgeon Program, teacher
Jan, 2009	Medtronic Visiting Surgeon Program, teacher
Jan, 2009	Medtronic Visiting Surgeon Program, teacher
Jan, 2009	Medtronic Visiting Surgeon Program, teacher
Oct, 2008	Medtronic Visiting Surgeon Program, teacher
Oct, 2008	Blackstone Surgeon Education Course, chairman
Sept, 2008	Medtronic Visiting Surgeon Program, teacher
Aug, 2008	Medtronic Visiting Surgeon Program, teacher
Aug, 2008	BrainLAB Visiting Surgeon Program, teacher
Aug, 2008	Medtronic Visiting Surgeon Program, teacher
July, 2008	Medtronic Visiting Surgeon Program, teacher
June, 2008	Siemens Visiting Surgeon Program, teacher
June, 2008	BrainLAB Visiting Surgeon Program, teacher
June, 2008	Blackstone Surgeon Education Course, chairman
June, 2008	Medtronic Visiting Surgeon Program, teacher
Feb, 2008	Blackstone Surgeon Education Course, chairman
Nov, 2007	Brain Lab Surgeon Education Course, chairman
Nov, 2007	Blackstone Surgeon Education Course, chairman
Sept, 2007	Brain Lab Surgeon Education Course, chairman
Sept, 2007	Blackstone Surgeon Education Course, chairman
Aug, 2007	Blackstone Surgeon Education Course, chairman
July, 2007	Blackstone Surgeon Education Course, chairman
May, 2007	Siemens Surgeon Education Course, chairman
Oct, 2006	Blackstone Surgeon Education Course, chairman
Sept, 2006	Blackstone Surgeon Education Course, chairman
July, 2006	Blackstone Surgeon Education Course, chairman
June, 2006	Blackstone Surgeon Education Course, chairman
May, 2006	Blackstone Surgeon Education Course, chairman
Feb, 2006	Blackstone Surgeon Education Course, chairman
Nov, 2005	Blackstone Surgeon Education Course, chairman
Aug, 2005	Blackstone Surgeon Education Course, chairman
June, 2005	Blackstone Surgeon Education Course, chairman
July, 2005	Blackstone Surgeon Education Course, chairman

VISITING PHYSICAL THERAPIST PROGRAM

Dec, 2007	Visiting physical therapist, host
June, 2005	Visiting physical therapist, host

May, 2005 Visiting physical therapist, host
Jan, 2005 Visiting physical therapist, host

VISITING MEDICAL STUDENT PROGRAM

Jan, 2008 Visiting medical student, host
Nov, 2006 Visiting medical student, host

LECTURES

Apr, 2010 CSUN Trainers Class, lecturer
Mar, 2010 Medtronic Degenerative Spondylolisthesis, lecturer
Nov, 2009 Pioneer Crossfuse Presentation, speaker
Oct, 2009 Marina Hospital Nursing Seminar, lecturer
Aug, 2009 Medtronic DLIF Lecture, lecturer
July, 2009 CAPPG meeting, speaker
May, 2009 Marina del Rey Community Seminar, lecturer
Feb, 2009 Beyond Physical Therapy, lecturer
Oct, 2008 Downey Community Seminar, lecturer
Sept, 2008 Los Angeles Chiropractor Seminar, lecturer
Aug, 2008 West LA Community Seminar, lecturer
Apr, 2008 Los Angeles Community Seminar, lecturer
Mar, 2008 Culver City Community Seminar, lecturer
Feb, 2008 Pasadena Community Seminar, lecturer
Jan, 2008 Santa Clarita Community Seminar, lecturer
Nov, 2007 Arcadia Community Seminar, lecturer
Sept, 2007 Hawthorne Community Seminar, lecturer
April, 2007 Marina Hospital Nursing In-service, lecturer
Feb, 2007 Magnifi Group, lecturer
Jan, 2007 Baseball Team Medicine Conference, lecturer
Jan, 2007 Blackstone National Sales Meeting, lecturer
Nov, 2006 SVMC Nurses Orientation, lecturer
Sept, 2006 LASSI Physical Therapy Symposium, lecturer
June, 2006 SVMC Grand Rounds, lecturer
Dec, 2005 LASSI Physical Therapy Symposium, lecturer
Dec, 2005 Kerlan-Jobe Trainers Conference, lecturer
Sep, 2005 LASSI Educational Symposium, lecturer
Sep, 2005 Amateur Athletic Foundation, lecturer
Sep, 2005 Advances in Spine Surgery, lecturer
Sep, 2005 Basics of Spine Surgery, lecturer
Aug, 2005 Cambridge Nurse Case Managers, lecturer
Aug, 2005 Bechtel Physical Therapy, lecturer
July, 2005 Physical Therapy Works, lecturer
July, 2005 Back to the Basics, lecturer
June, 2005 Yonemoto Physical Therapy, lecturer
June, 2005 USC-SOGOS, lecturer
June, 2005 Back to the Basics, lecturer
June, 2005 Arcadia Methodist Physical Therapy, lecturer
May, 2005 Souza Physical Therapy, lecturer
May, 2005 CPSG, lecturer
May, 2005 Inland Empire Physical Therapy, lecturer
May, 2005 Patti Brown Physical Therapy, lecturer

April, 2005 Sinkus Physical Therapy, lecturer
April, 2005 Lancaster Physical Therapy, lecturer
April, 2005 Progressive Physical Therapy, lecturer
April, 2005 Synergy Physical Therapy, lecturer
April, 2005 Vincent Physical Therapy, lecturer
April, 2005 SMI Physical Therapy, lecturer
March, 2005 Brian Shear Physical Therapy, lecturer
March, 2005 California Rehabilitation, lecturer
March, 2005 ATP Physical Therapy, lecturer
March, 2005 New Life Rehabilitation, lecturer
March, 2005 Huntington Beach Physical Therapy, lecturer
March, 2005 Los Feliz Physical Therapy, lecturer
March, 2005 Mueller Physical Therapy, lecturer
March, 2005 Anaheim Physical Therapy, lecturer
March, 2005 Cahill Physical Therapy, lecturer
March, 2005 Los Robles Physical Therapy, lecturer
Feb, 2005 St. Vincent's Medical Center Grand Rounds, lecturer
Feb, 2005 Synergy Physical Therapy, lecturer
Feb, 2005 Fortanasce Physical Therapy, lecturer
Feb, 2005 Kern and Associates Physical Therapy, lecturer
Feb, 2005 SVMC Rehabilitation, lecturer
Feb, 2005 Bakersfield Physical Therapy, lecturer
Feb, 2005 Larchmont Physical Therapy, lecturer

**CENTRE FOR SPINAL STUDIES AND SURGERY - QUEEN'S
MEDICAL CENTRE, Nottingham, UK**

Feb, 2004 Introduction to Spinal Surgery, lecturer
April, 2004 New Advances in Spinal Surgery, lecturer

LAC-USC ORTHOPEDIC RESIDENCY

June, 2001 Orthopedic Trauma, lecturer
Mar, 2002 Spinal Trauma, lecturer
Aug, 2002 Grand Rounds: Anatomy of the Spine, lecturer

**UNIVERSITY OF SOUTHERN CALIFORNIA
SCHOOL OF MEDICINE**

Sept, 2000 Anatomy of the Spine, lecturer
2000-2001 Introduction to Clinical Medicine, instructor
Jan, 2002 Career Day, lecturer
Dec, 2001 Surgical Interests Group, lecturer
1995-1996 Gross Anatomy, tutor
1997-1998 Gross Anatomy, tutor

AWARDS

LAC-USC ORTHOPEDIC RESIDENCY

2003 Outstanding Senior Resident Research Project
2002 Outstanding Junior Resident Research Project

UNIVERSITY OF SOUTHERN CALIFORNIA

1998 George S. Herron Memorial Award, School of Medicine
1998 Outstanding Student Recognition, Graduate School
1998 Exceptional Service, School of Medicine

MEMBERSHIPS

2004-present North American Spine Society, member
2005-present Scoliosis Research Society, candidate member
2004-present American Academy of Orthopedic Surgeons
2004-present University of Southern California Keck School of Medicine Admissions Board
2004-present California Orthopedic Association

ACTIVITIES

Apr, 2010 Nuvasive XLIF Visiting Surgeon Program, attendee
Jan, 2010 AxialLIF Training Course, participant
Nov, 2009 NASS Annual Meeting, attendee
Oct, 2009 SRS Annual Meeting, attendee
Oct, 2009 SRS Adult Degenerative Spine Course, attendee
Mar, 2008 AAOS Annual Meeting, attendee
Mar, 2008 Prodisc-C Cervical Artificial Disc Replacement Course, participant
Feb, 2008 Medtronic DLIF Course, participant
Jan, 2008 Nuvasive XLIF Course, participant
Nov, 2007 NASS Annual Meeting, attendee
Aug, 2007 Shanghai Minimally Invasive Spine Surgery Meeting, faculty
Aug, 2007 Medtronic Cervical Artificial Disc Replacement Course, participant
July, 2006 NASS, Spine Across the Sea Conference, attendee
Feb, 2006 Depuy- Minimally Invasive Spine Surgery Bioskills Course, participant
Jan, 2006 Medtronic- Degenerative Scoliosis Course, participant
Oct, 2005 Scoliosis Research Society Annual Meeting, participant
Aug, 2005 Advanced Techniques in Cervical Spine Course, participant
July, 2005 Spinal Concepts-Minimally Invasive Hands-on Training, participant
June, 2005 Abbott Spine Advances in Spine Surgery Course, participant
May, 2005 Image Guidance in Spine Surgery Lecture, attendee
April, 2005 Depuy Charite Surgeon Training Course, participant
Feb, 2005 Spineology Course, participant
Jan, 2005 Medtronic Adult Degenerative Scoliosis Course, participant

Dec, 2004 BNI Image Guidance Tutorial, participant
Nov, 2004 AAOS Worker's Comp Symposium, participant
Oct, 2004 NASS Spinal Injections Workshop, participant
Oct, 2004 NASS Advances in Spine, faculty
June, 2004 AO Spine Symposium, presenter
May, 2004 Brit Spine, attendee
Dec, 2003 AO Davos Spine Symposium, attendee
July, 2003 AO Spine Symposium, participant
Feb, 2003 AAOS Annual Meeting, attendee
Jan, 2003 Smith & Nephew Fracture Course, participant
Nov, 2002 AO Spine Trauma Symposium, participant
Sept, 2002 SRS Annual Meeting, attendee
Sept, 2002 SRS Comprehensive Spine Course, participant
May, 2002 Cervical Spine Study Group, participant
Mar, 2002 Healthstream Advanced Techniques in Spinal Fusion, participant
Nov, 2001 AO Spine Surgical Skills Course, participant
Nov, 2001 NASS Annual Meeting, attendee
Aug, 2001 Depuy Spine Surgical Skills Course, participant
June, 2001 Depuy Residents Spine Course, participant
Sept, 2000 AO ASIF Principles of Fracture Management Course, participant
June, 2000 SPINE 2000, attendee
Jan, 1997 Spine Clerkship, Dr. Ignacio Dockendorff, Santiago, Chile
Sum, 1995 AMSA Foreign Language Institute, Chiapas, Mexico