

**Corey J. Wallach, MD**  
**The Anderson Clinic Spine Center**  
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Arlington, VA 22206  
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**Current:**

Orthopedic Spine Surgeon and Medical Director, The Anderson Clinic Spine Center	2007- Present
Medical Director, INOVA Spine Institute The INOVA Spine Institute, East Region	2009 - Present
Board of Directors, American College of Spine Surgery	2010- Present

**Education:**

Fellowship:	UCLA Comprehensive Spine Center Department of Orthopedic Surgery Los Angeles, CA	2006-2007
Residency:	Department of Orthopedic Surgery University of Pittsburgh Medical Center Pittsburgh, PA	2000-2005
Medical School:	University of California, Davis Davis, CA	1996-2000 Doctor of Medicine
Undergraduate:	Columbia College, Columbia University New York, NY	1987-1991 Bachelor of the Arts – Architecture/Religion

**Medical Associations:**

- North American Spine Society
- American College of Spine Surgery
- American Academy of Orthopedic Surgeons

**Awards:**

“Top Docs” Northern Virginia Magazine	2011
“America’s Top Orthopedists” Consumer’s Research Council of America	2011
“50 of the Best Spine Specialists in America” Becker’s Orthopedic and Spine	2010
The Founder’s Award Eastern Orthopedic Association, Dublin, Ireland	2003
Paul Lipscomb Award for Excellence in Orthopaedics University of California, Davis, Davis, CA	2000
Alpha Omega Alpha Honor Society University of California, Davis, Davis, CA	1999

## **Publications:**

### **Journal Articles:**

*Advances in Imaging of the Traumatized Cervical Spine.* Wallach CJ, Teng A, Wang JC, *Seminars in Spine Surgery.* 19(4): 222-228, 2007

*Intraoperative and Interventional Magnetic Resonance Imaging: Applications in Spine Surgery.* Teng A, Wallach CJ, Wang JC, *Seminars in Spine Surgery.* 20(3): 214-220, 2008

*Prospective clinical outcomes of revision fusion surgery in patients with pseudarthrosis after posterior lumbar interbody fusions using stand-alone metallic cages.* Cassinelli EH, Wallach C, Hanscom B, Vogt M, Kang JD *Spine Journal: Official Journal of the North American Spine Society.* 6(4):428-34, 2006

*Safety Assessment of Intradiscal Gene Transfer: A Pilot Study*  
Wallach CJ et al., *Spine Journal: Official Journal of the North American Spine Society,* 6(2):107-12, 2006

*A Slowly Progressive and Reproducible Animal Model of Intervertebral Disc Degeneration Characterized by MRI, X-Ray, and Histology.* Gilbertson LG, Sobajima S, Kompel JF, Kim JS, Wallach CJ, Robertson D, Vogt MT, Kang JD, *Spine,* 30(1):15-24, 2005

*Gene Transfer of the Catabolic Inhibitor TIMP-1 Increases Measured Proteoglycans in Degenerated Human Intervertebral Disc Cells*  
Wallach CJ et al., *Spine,* 28(20):2331–2337, 2003

*Gene Therapy for Intervertebral Disc Regeneration*  
Wallach CJ et al., *Spine,* 28(15S): S93-98, 2003

*Neutropenia associated with Piperacillin/Tazobactam (Zosyn) in the treatment of Orthopaedic Injuries: A Case Report*  
Wallach CJ et al., *Osteosynthesis and Trauma Care,* 11:38-40, 2003

*Approaches for Skeletal Gene Therapy*  
Niyibizi C, Wallach CJ, Mi Z, and Robbins PD. *Critical Reviews in Eukaryotic Gene Expression,* 12(3):163-173, 2002

### **Book Chapters:**

*Minimally Invasive Lumbar Decompression and Fusion*  
Wallach CJ. Advanced Reconstruction Spine. North American Spine Society and American Academy of Orthopedic Surgeons, 2011

*Disc Biology, Degeneration, and Repair*  
Cassinelli EH, Wallach CJ, and Kang JD. Emerging Spinal Surgical Technologies. 2008

*Gene Therapy for Intervertebral Disk Disorders*  
Wallach CJ, Gilbertson LG, and Kang JD. Molecular Biology in Orthopaedics, AAOS, 2002

**Published Abstracts:**

- Safety Profile of Intradiscal Gene Therapy: A Pilot Study*  
Wallach et al., Orthopaedic Research Society  
San Francisco, CA March 2004 Poster Presentation
- Assessment of the Safety Profile of Intradiscal Gene Transfer*  
Kim JS et al, North American Spine Society  
San Diego, CA October 2003 Podium Presentation
- Investigation into the Therapeutic Window and Safety Issues of Intradiscal Gene Transfer*  
Wallach et al., International Society for the Study of Lumbar Spine  
Vancouver, BC May 2003 Podium Presentation
- Successful Gene Transfer in a Rabbit Model of Disc Degeneration*  
Kim JS et al., International Society for the Study of Lumbar Spine  
Vancouver, BC May 2003 Podium Presentation
- Gene Transfer of the Catabolic Inhibitor TIMP-1 Increases Measured Proteoglycans in Degenerated Human Intervertebral Disc Cells*  
Wallach et al., Orthopaedic Research Society  
New Orleans, LA February 2003 Podium Presentation
- MRI and Histological Analysis of a Rabbit Model of Disc Degeneration*  
Kompel JF et al., Orthopaedic Research Society  
New Orleans, LA February 2003 Podium Presentation
- Tissue Engineering of Osteospheroids: A Three-Dimensional and Biologically Active Osteoblastic Cell Aggregate*  
Wallach et al., Orthopaedic Research Society  
New Orleans, LA February 2003 Poster Presentation
- Gene Transfer of the Catabolic Inhibitor TIMP-1 Increases Proteoglycan Synthesis in Degenerated Human Cervical Disc Cells*  
Wallach et al., Cervical Spine Research society  
Miami, FL December 2002 Podium Presentation
- Transduction of TGF- $\beta$ 1 Inhibits Proteoglycan Synthesis in Intervertebral Disc Cells in a Three-Dimensional Culture*  
Wallach et al., North American Spine Society  
Montreal, Canada October 2002 Podium Presentation
- Gene Delivery of the Catabolic Inhibitor TIMP-1 Increases Measured Proteoglycans in Degenerated Human Intervertebral Disc Cells*  
Wallach et al., North American Spine Society  
Montreal, Canada October 2002 Podium Presentation
- The Effect of Adenoviral Mediated Gene Therapy with IGF-1, TIMP-1, and BMP-2 on Proteoglycan Synthesis in Human Intervertebral Disc Cells*  
Wallach et al., International Intradiscal Treatment Society  
Seoul, Korea August 2002 Podium Presentation
- Gene Transfer of the Catabolic Inhibitor TIMP-1 Increases Measured Proteoglycan Synthesis in Human Intervertebral Disc Cells*  
Wallach et al., International Society for the Study of Lumbar Spine  
Cleveland, OH May 2002 Podium Presentation

**Published Abstracts [con't]:**

*The Effect of Adenoviral-Mediated Gene Therapy with IGF-1, TIMP-1, and BMP-2 on Proteoglycan Synthesis in Human Intervertebral Disc Cells*

Wallach et al., The AOA Annual Resident's Conference  
Memphis, TN                      April 2002                      Podium Presentation

*Successful AAV-vector Mediated Transgene Expression in the Intervertebral Disc in Pre-Immunized Rabbits*

Lattermann et al., Orthopaedic Research Society  
Dallas, TX                      February 2002                      Podium Presentation

*Neutropenia Associated with Piperacillin/Tazobactam [Zosyn] following Treatment of Open Orthopaedic Injuries*

Wallach et al., Pennsylvania Orthopaedic Society  
Pittsburgh, PA                      November 2001                      Podium Presentation

**Extracurricular:**      Woodworking, guitar