

Corey J. Wallach, MD  
The Anderson Orthopaedic Clinic  
2445 Army Navy Drive, Arlington VA, 22206

**Current Position:**

Orthopaedic Spine Surgeon specializing in the treatment of Cervical,  
Thoracic and Lumbar Spinal Disorders

**Prior Positions:**

Clinical Instructor      Orthopaedic Trauma Department  
Department of Orthopaedic Surgery  
University of Pittsburgh Medical Center  
Pittsburgh, PA 2005-2006

**Education:**

Fellowship:              UCLA Comprehensive Spine Center  
Department of Orthopaedic Surgery  
Chief: Jeffrey C. Wang, MD  
Los Angeles, CA      2006-2007

Residency:              Department of Orthopaedic Surgery  
University of Pittsburgh Medical Center  
Chairman: Freddie H. Fu, MD  
Pittsburgh, PA      2000-2005

Research:              Orthopaedic Research Fellowship  
Director: James D. Kang, MD  
Pittsburgh, PA      2001-2002

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

**Awards:**

The Founder's Award  
Eastern Orthopaedic Association  
Dublin, Ireland      August 2003  
International Intradiscal Treatment Society Award  
International Intradiscal Treatment Society  
Seoul, Korea      August 2002  
Paul Lipscomb Award for Excellence in Orthopaedics  
University of California, Davis  
Davis, CA      June 2000  
Alpha Omega Alpha Honor Society  
University of California, Davis  
Davis, CA      August 1999

## **Publications:**

### **Journal Articles:**

*Symposium. Potential Strategies for Improving Orthopaedic Education Strategic Dialogue from the AOA Resident Leadership Forum Class of 2005.* Ranawat AS, Dirschl DR, Wallach CJ, and Harner CD. *J. Bone and Joint Surgery* 89: 1633 – 1640, 2007

*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:**

*Gene Therapy for Intervertebral Disc Disorders* Wallach CJ, Gilbertson LG, and Kang JD  
In *Molecular Biology in Orthopaedics Symposium*  
AAOS Publications, 2002

*Surgical Treatment of the Acute and Chronic ACL/PCL/Medial-sided Injury of the Knee.* Bennett CH, Coates KE, Wallach CJ, and Hall RA. In *The Multiple Ligament Injured Knee: A Practical Guide to Management.* Fanelli, GC editor. Springer-Verlag, 2004

*Disc Biology, Degeneration, and Repair* Cassinelli EH, Wallach CJ, and Kang JD. In *Emerging Spinal Surgical Technologies.* Boden, SD editor. *QMP,* 2005

**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

**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., 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

*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