

Burt Yaszay, M.D.

Pediatric Orthopedic and Scoliosis Center
3030 Children's Way, Suite 410
San Diego, California 92131
(858) 966-6789 Fax: (858) 966-8519

Education

	1996-2001	Stanford University School of Medicine	M.D. - 2001
	1993-1994	Saddleback College - General Education	
C	1991-1996	University of California, San Diego - Biochemistry and Cell Biology	B.S. - 1996

Post Graduate Education

	2006-2007	Spine Fellowship, New York University/Hospital for Joint Diseases Director: Thomas J. Errico, M.D.	
Chairman	2002-2006	Orthopaedic Surgery Residency, University of Washington Chairman: Frederick A. Matsen III, M.D.	
	2001-2002	General Surgery Internship, University of Washington Chairman: Carlos A. Pellegrini, M.D.	

Academic, Administrative and Hospital Appointments

2007-current Staff, Rady Children's Hospital, San Diego

Licensing and Certification

State of California
State of New York
American Board of Orthopaedic Surgery

Academic Honors

2007	Best Research Project, NYU Hospital for Joint Diseases
2005	AOA Resident Leadership Forum
1997	Beckman Scholar Grant, Stanford University School of Medicine
1996	Phi Beta Kappa, University of CA, San Diego
1996	Outstanding Achievement Award in recognition of the highest GPA in the major, Biochemistry and Cell Biology, University of CA, San Diego
1996	Magna Cum Laude, University of CA, San Diego
1995	Golden Key National Honor Society, University of CA, San Diego
1995	Undergraduate Research Scholar, University of CA, San Diego
1993-1994	Dean's List, Saddleback College
1992-1995	Provost's Honors, University of CA, San Diego

Grants

1997 Medical Scholars Grant, Stanford University School of Medicine
Subject: The expression of C-C chemokines by human fibroblasts in response to polymethylmethacrylate and titanium particles *in vitro*.

Research Experience

Su 2006-2007 Department of Orthopaedics, Spine Service: NYU/Hospital for Joint Diseases
Supervisors: Thomas Errico, M.D., Baron Lonner, M.D., Oheneba Boachie-Adjei, M.D.
Subject: Biomechanical analysis of an intervertebral disc prosthesis distal to a scoliosis construct.

Su 2006-2007 Department of Orthopaedics, Spine Service: NYU/Hospital for Joint Diseases
Supervisors: Baron Lonner, M.D.
Subject: Pulmonary Function following Anterior Approaches

Su 2006-2007 Department of Orthopaedics, Spine Service: NYU/Hospital for Joint Diseases
Supervisor: John A. Bendo, M.D.
Subject: 1. Radiographic location of Prodisc™ lumbar arthroplasty and its effect on coronal and sagittal ROM 2. Effect of Pre-operative Disk Height on Post-operative Motion and Clinical Outcome Following Prodisc™ Lumbar Disk Replacement

Su 2005-2007 Department of Orthopaedics and Sport Medicine, University of Washington
Supervisor: Douglas P. Hanel, M.D.
Subject: Defining the Orthopaedic residency core competencies as related to the ACGME's six core competencies.

2003-2005 Department of Orthopaedics and Sports Medicine, University of Washington
Supervisor: Howard A. Chansky, M.D.
Subject: Inhibition of EWS/FLI-1 through siRNA in Ewing's Sarcoma cell lines.

1998-1999 Department of Orthopedics, Stanford University
Supervisor: Loretta Chou, M.D.
Subject: A retrospective multicenter study of tibiotalar calcaneal arthrodesis.

1997-1999 Department of Orthopedics, Stanford University
Supervisor: David Mohler, M.D.
Subject: Fibular centralization and allograft reconstruction following tibia diaphyseal resection.

1997-1999 Department of Orthopedics, Stanford University
Supervisors: R. Lane Smith, Ph.D. and Stuart Goodman, M.D., Ph.D.
Subject: The expression of C-C chemokines by human fibroblasts in response to polymethylmethacrylate and titanium particles *in vitro*.
Supported by Medical Scholars Grant

1996 Department of Orthopedics, Alvarado Hospital, Kaiser Permanente, and Sharp Hospital
Supervisors: Marc Safran, M.D., Raymond Sachs, M.D., and John Lane, M.D.
Subject: The study of acromioplasty failure in non-tertiary care setting.

1995-1996 Department of Anesthesiology, University of CA, San Diego
Supervisor: Randolph Hastings, M.D., Ph.D.
Subject: The mitogenic effects of exogenous parathyroid hormone-related protein and its antagonists on alveolar type II cells and related lung cancer cell lines.

1995 Department of Anesthesiology, University of CA, San Diego
Supervisor: Randolph Hastings M.D., Ph.D.
Subject: The expression of parathyroid hormone-related protein receptor in alveolar type II cells and related lung cancer cell lines.

Teaching Experience

1997 Teaching	Assistant, Human Anatomy, Stanford University School of Medicine
1994 Teaching	Assistant, 2 nd and 3 rd grade, Marie Curie Elementary School, San Diego
1993-1996	Teaching Assistant, Department of Chemistry, University of CA, San Diego Departments of Chemistry and Organic Chemistry

Publications – Peer Reviewed Journal Articles

1. **Yaszay B**, Jazayeri R, Lonner B: The Effect of Surgical Approaches on Pulmonary Function in Adolescent Idiopathic Scoliosis. *In revision to Journal Spinal Disorders and Technique*
2. **Yaszay B**, Quirno M, Bendo J, Errico TJ, Goldstein J, Spivak J: Effect of intervertebral disc height on post-operative motion following Prodisc lumbar disc replacement. *In review by Spine*
3. **Yaszay B**, Kubiak E, Agel J, Hanel DP: ACGME core competencies: where are we. *In revision*
4. **Yaszay B**, Schwab FJ, Farcy JP: Simultaneous anterior and posterior spine fusion: surgical technique. *In revision*
5. Trindade MC, Shida J, Ikenoue T, Lee MS, Lin EY, **Yaszay B**, Yerby S, Goodman SB, Schurman DJ, Smith RL: Intermittent hydrostatic pressure inhibits matrix metalloproteinase and pro-inflammatory mediator release from human osteoarthritic chondrocytes in vitro. *Osteoarthritis Cartilage*. Sept 2004, 12(9):729-35.
6. Wong N, Trindade MC, Patel R, **Yaszay B**, Goodman SB, Smith RL: Effects of interleukin-10 on titanium particle-induced macrophage transcription factor activation and cytokine expression in vitro. *J Biomed Mater Res*. April 2004, 69A:40-46.
7. Mohler DG, **Yaszay B**, Hong R, Wera G: Intercalary tibial allografts following tumor resection: the role of fibular centralization. *Orthopedics*. June 2003, 26(6):631-637
8. **Yaszay B**, Trindade MCD, Lind M, Goodman SB, Smith RL: Fibroblast expression of c-c chemokines in response to orthopaedic biomaterial particle challenge *in vitro*. *J Orthop Res*. September 2001, 19(5):970-976.
9. Chou LB, Mann RA, **Yaszay B**, Graves SC, McPeake WT, Dreeben SM, Horton GA, Katcherian DA, Clanton TO, Miller RA, Van Manen JW: Tibiotalocalcaneal arthrodesis. *Foot Ankle Int*. October 2000, 21:804-808
10. **Yaszay B**, Jablecki CK, Safran MR: Zoster paresis of the shoulder: case report and review of the literature. *Clin Orthop*. August 2000, 377:112-118
11. Lind M, Trindade MCD, **Yaszay B**, Goodman SB, Smith RL: Effects of particulate debris on macrophage-dependent fibroblast stimulation in coculture. *J Bone and Joint Surg*. September 1998, 80-B:924-930
12. Hastings RH, Summers-Torres D, **Yaszay B**, LeSueur J, Burton DW, Deftos LJ: Parathyroid hormone-related protein, an autocrine inhibitor of type II cells. *Am J Physiol*. March 1997, 272:L393-L399

Publications – Abstracts

1. **Yaszay B**, Jazayeri R, Lonner B: Comparison of surgical approaches on pulmonary function in adolescent idiopathic scoliosis. Presented at 7th Annual IMAST (Oral).
2. Quirno M, Errico TJ, **Yaszay B**: Long fusions to the sacrum: Comparison of surgical techniques. Presented at 7th Annual IMAST (Oral)
3. **Yaszay B**, Quirno M, Valdevit A, Kang M, Duncan N, Boachie-Adjei O, Errico T, Lonner B: Biomechanical analysis of a disc prosthesis distal to a scoliosis model. Present at 7th Annual IMAST (Poster).
4. Quirno M, **Yaszay B**, Bendo J, Errico TJ, Goldstein J, Spivak J: Effect of intervertebral disk height on postoperative motion following lumbar disc replacement. Accepted to World Spine IV(Oral).
5. **Yaszay B**, Quirno M, Bendo J, Errico TJ, Goldstein J, Spivak J: Effect of intervertebral disk height on postoperative motion following Prodisc lumbar disc replacement. Presented at the 7th Annual Spine Arthroplasty Society Meeting (Poster).
6. **Yaszay B**, Quirno M, Bendo J, Errico TJ, Goldstein J, Spivak J: Effect of Placement of Lumbar Disc Prosthesis on Post-operative Motion and Clinical Outcome. Presented at the 7th Annual Spine Arthroplasty Society Meeting (Oral).
7. **Yaszay B**, Kubiak E, Agel J, Hanel DP: ACGME core competencies: where are we. Presented at 2007 American Orthopaedic Association Annual Meeting (Oral/Poster).
8. **Yaszay B**, Ming-Hu H, Yang L, Blackburn M, Kahn-Farooqi W, Chansky HA: Investigation of downstream effectors of EWS/FLI-1 identified by RNA interference and DNA microarray analysis . Transactions of the 51st Annual Meeting of the Orthopaedic Research Society, 2005 (Poster).
9. Patel R, Trindade MCD, **Yaszay B**, Goodman S, Schurman D, Smith RL: Effects of IL-10 on macrophage NF- κ B activation in response to PMMA particle challenge. Transactions of the 46th Annual Meeting of the Orthopaedic Research Society. 0596, 2000 (Poster).
10. **Yaszay B**, Trindade MCD, Patel R, Lind M, Goodman SB, Smith RL: Fibroblast expression of C-C chemokines in response to PMMA particle challenge *in vitro*. Transactions of the 45th Annual Meeting of the Orthopaedic Research Society. 24-2:901, 1999 (Poster).
11. **Yaszay B**, Kim S, Bloom HT, Mohler DG: Intercalary allograft reconstruction of the tibia following tumor resection. 10th International Symposium on Limb Salvage. 76, 1999 (Poster).
12. **Yaszay B**, Trindade MCD, Goodman SB, Smith RL: Titanium particle induced fibroblast C-C chemokine expression *in vitro*. Transactions of the 25th Annual Meeting of the Society for Biomaterials. 481, 1999 (Poster).
13. Trindade MCD, **Yaszay B**, Shida J, Yoo JH, Goodman SB, Maloney WJ, Schurman DJ, Smith RL: The effects of signal transduction inhibitors on particle induced fibroblast activation *in vitro*, requirement for kinase activity. Transactions of the 45th Annual Meeting of the Orthopaedic Research Society. 24-2:897, 1999 (Poster).
14. Trindade MCD, **Yaszay B**, Shida J, Yoo JH, Goodman SB, Maloney WJ, Schurman DJ, Smith RL: Particle induced fibroblast MCP-1 and IL-6 production *in vitro*, requirement for kinase activity, Transactions of the 25th Annual Meeting of the Society for Biomaterials. 154, 1999 (Poster).
15. Lind M, Trindade MCD, **Yaszay B**, Goodman SB, Smith RL: The effects of particulate debris on macrophage-dependent fibroblast stimulation in co-culture. Transactions of the 45th Annual Meeting of the Orthopaedic Research Society. 24-1:254, 1999 (Poster).
16. Hastings RH, Summers-Torres D, **Yaszay B**, LeSueur J, Burton DW, Deftos LJ: Parathyroid hormone-related protein, an autocrine inhibitor of type II cell growth. *Am J Respir Crit Care Med*. 153:A851, 1996

Book Chapters

1. Burt Yaszay, MD. "Neuromuscular scoliosis" Growing Spine: Management of Spinal Disorders in Young Children. Editors: Akbarnia / Yazici / Thompson. *In preparation*
2. Baron Lonner, MD, Burt Yaszay, MD. "Treatment of Lenke 3, 4, and 6 curves". Harms Study Group Book. *In preparation*
3. Jeffrey Spivak, MD, Burt Yaszay, MD. "Percutaneous Cement Augmentation of Vertebral Compression Fractures: A Clinical Perspective". Women's Health and Interventional Radiology. Editor: Gary Siskin, MD *in press*

Educational Presentations

- 2007 "Unstable Sacral Fractures: Spine surgeon's perspective"
Department of Orthopaedics, NYU Hospital for Joint Diseases
- 2006 "ACGME Core Competencies: Where are we?" – Invited Instructor
AOA Resident Leadership Forum, San Antonio, Texas
- 2005 "Unstable Sacral Fractures" - Grand Rounds Presentation
Department of Orthopaedics and Sports Medicine, University of Washington

Membership

Emerging Leaders Program, AOA
AAOS Committee (previous): Resident E-letter Advisory Board
American Academy of Orthopaedic Surgeons
American Medical Association
AO Spine
North American Spine Society
Pi Kappa Phi