

Dhruv B. Pateder, M.D.

Current Employment:

Neurologic and Orthopaedic Spine Surgeon
Town Center Orthopaedic Associates, Reston, VA

Reston Office (Primary Address):

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1860 Town Center Dr.
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6201 Centreville Road,
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Personal

Birthday	June 07, 1974
Home Town	Darlington, South Carolina
Citizenship	USA
Marital Status	Married
Children	None

Exam Status

USMLE Step I: Passed
USMLE Step II: Passed
USMLE Step III: Passed
Orthopaedic Board Exam Step I: Passed (Taken on 07/24/2006)
Orthopaedic Oral Board Exam Step II: Pending for 2009

Licensing Information

Virginia
Colorado
Ohio

Education

- 2006-2007 Fellowship in Spinal Surgery, Cleveland Clinic Spine Institute, Departments of Orthopaedic Surgery and Neurological Surgery, The Cleveland Clinic, Cleveland, Ohio
- 2007 Teaching in Medicine Certificate Cleveland Clinic Lerner School of Medicine
- 2002-2006 Residency, Department of Orthopaedic Surgery, Johns Hopkins Hospital and Johns Hopkins University School of Medicine, Baltimore, Maryland
- 2001-2002 Internship, General Surgery and Orthopaedic Surgery, Johns Hopkins Hospital and Johns Hopkins University School of Medicine, Baltimore, Maryland
- 1996-2001 Doctor of Medicine with Distinction in Research, University of Rochester School of Medicine, Rochester, New York
- 1992-1996 B.S. in Biology, Emory University, Atlanta, Georgia
- 1988-1992 West Florence High School, Florence, South Carolina

Awards and Honors

June 2007	Winner of Cleveland Clinic Spine Institute Outstanding Clinical Research Award
June 2007	Winner of Cleveland Clinic Spine Institute Outstanding Biomechanics Research Award (secondary author on project)
Aug 2006- July 07	Administrative/Chief Spine Surgery Fellow at Cleveland Clinic Spine Institute
October 2006	Resident/Fellow Research Award, Eastern Orthopaedic Association, Boca Raton, Florida
June 2006	Winner of Johns Hopkins Hospital Department of Orthopaedic Surgery Outstanding Resident Researcher of the Year Award
April 2006	Maryland Orthopaedic Association Annual Meeting Research Award Finalist, Baltimore, Maryland
October 2005	Outstanding Resident Research Award, Annual Meeting of Eastern Orthopaedic Association, Cambridge, Maryland
June 2005	American Association Orthopaedic Surgeons/Orthopaedic Research and Education Foundation/Orthopaedic Research Society Clinician Scientist Development Program, Huntington Beach, California
June 2005	American Orthopaedic Association/Orthopaedic Research and Education Foundation/Zimmer Resident Leadership Forum, Huntington Beach, California
April 2005	Winner of 2005 Maryland Orthopaedic Association Resident/Fellow Abstract Competition, Baltimore, Maryland
May 2001	Robert Kates Award "...to the most outstanding graduating medical student [University of Rochester School of Medicine] for excellence in both clinical medicine and in research..." Rochester, New York
February 2001	Outstanding Abstract Award at Annual Meeting of The American College of Physicians-American Society of Internal Medicine, Atlanta, Georgia

- November 2000 Best Poster Award at American College of Physicians-American Society of Internal Medicine New York Chapter Annual Meeting, Albany, New York
- October 2000 Best Poster Award at University of Rochester School of Medicine and Dentistry Annual Resident and Medical Student Poster Day, Rochester, New York
- September 2000 Alpha Omega Alpha Honor Society- University of Rochester School of Medicine (medical honor society), Rochester, New York

Research

- Current
1. Correlation between physical exam signs of cervical myelopathy and MRI
 2. Cervical kyphosis and physical exam signs before and after corrective surgery
 3. Incidence and prevalence of dysphagia, adjacent segment degeneration and other parameters between traditional cervical plates and the interplate device
 4. Radiographic and clinical outcomes associated with corrective adult deformity (scoliosis and kyphoscoliosis) surgery
 5. Inter- and Intra-observer reliability of the compartment pressure monitor device for diagnosing compartment syndrome
 6. Outcome assessment after minimally invasive spinal surgery compared to traditional open procedures
- 2006-2007 Cleveland Clinic Spine Institute (Mentor: Edward Benzel, MD). Clinical research examining the development of instability in the lumbar spine after laminectomy and *in situ* facet fusion versus decompression and fusion with pedicle screw fixation
- 2004-2006 Department of Orthopaedic Surgery, Johns Hopkins University School of Medicine. Compartment syndrome: signs and symptoms, clinical evaluation, diagnosis, treatment, and outcomes.
- 02-05 to 06-05 Johns Hopkins International Center for Orthopaedic Advancement, Johns Hopkins University School of Medicine. Biomechanical evaluation of lumbar spine stability after selective excision of the pars interarticularis.

- 2003-2004 Department of Orthopaedic Surgery, Johns Hopkins University School of Medicine Basic science research with Dr. John P. Kostuik examining the effects of retinoic acid on spine fusion in diabetic rabbits.
- Clinical research with John P. Kostuik, MD evaluating the incidence and prognosis of lumbar nerve root palsy (without identifiable cause) associated with adult spinal deformity surgery. In addition, we have also examined different aspects of adult spinal deformity surgery
- Clinical research with John J. Carbone, MD evaluating effectiveness of lateral mass screws in maintaining alignment after cervical spine trauma.
- 06-98 to 05-99 Medical Student Research Fellowship, University of Rochester School of Medicine Research in Department of Orthopaedic Surgery with Randy N. Rosier, M.D., Ph.D. and Regis O'Keefe, M.D. Investigated the regulation of PTHrP, intercellular signaling in chondrocytes, the molecular mechanisms involved in radiation damage to the adolescent growth plate and growth factor regulation of bone/cartilaginous tumors. Also examined the effects of lead on intracellular and intercellular signaling pathways in chondrocytes.

Peer Reviewed Publications

1. **Pateder DB**, Benzel E. Non-Instrumented Facet Fusion in Patients Undergoing Lumbar Laminectomy for Degenerative Spondylolisthesis. *Journal of Surgical Orthopaedic Advances*. In Press. 2008.
2. **Pateder DB**. Neck and Shoulder Pain: Differentiating Cervical Spine Pathology From Shoulder Pathology. *Journal of Surgical Orthopaedic Advances*. In Press. 2008.
3. **Pateder DB**, Gonzales RA, Kebaish KM, Cohen DB, Chang JY, Kostuik JP. Short Term Mortality and Its Association With Independent Risk Factors in Adult Spinal Deformity Surgery. *Spine*. 2008;33(11):1224-1228.
4. **Pateder DB**, Gonzales RA, Kebaish KM, Antezana DF, Cohen DB, Chang JY, Kostuik JP. Pulmonary Embolism in Adult Spinal Deformity Surgery. *Spine*. 2008;33(3):301-305.
5. **Pateder DB**, Brems J, Lieberman I, Bell G, McLain RF. Masquerade: Musculoskeletal mimics of back and neck pain. *Cleveland Clinic Journal of Medicine*. 2008;75(1):50-56.
6. Cascio BM, **Pateder DB**, Farber AJ, Kramer DE, Ain MC and Frassica FJ. A chart insert improved compartment syndrome documentation at an academic center. *Orthopedics*. 2008;31(4):364.
7. **Pateder DB**, Hungerford MH. Diagnostic use of fluoroscopically guided intra-articular hip injection in concomitant hip and lumbar spine arthritis. *American Journal of Orthopaedics*. 2007;36(11):591-3.
8. **Pateder DB**, Lieberman I, Khanna AJ. Vertebroplasty and kyphoplasty for the management of thoracolumbar osteoporotic fractures. *Orthopedic Clinics of North America*. 2007;38:409-418.
9. **Pateder DB**, Cascio BM, Neubauer P, Matusz D, Kostuik JP, and Kebaish KM. Posterior only versus combined anterior and posterior approaches to lumbar scoliosis in adults: A radiographic analysis. *Spine*, 2007;32(14):1551-1554.
10. Cascio BM, Chang TL, **Pateder DB**, Ain MC. Tip of the trade: a method of splinting for surgeons. *Journal of Surgical Orthopaedic Advances*, 2006;15(2):115-117.
11. **Pateder DB**, Park YS, Kebaish K, Song E, Cascio BM, Shapiro M, Buchowski JM and Kostuik JP. Spinal fusion after revision surgery for pseudarthrosis in adult scoliosis. *Spine*. 2006;31(11):E314-E319.
12. **Pateder DB**, Carbone JJ. Lateral mass screw fixation for cervical spine trauma: associated complications and efficacy in maintaining alignment. *Spine Journal*. 2006;6(1):40-43.

13. Cascio BM, **Pateder DB**, Wilckens JH, Frassica FJ. Compartment Syndrome: Time from Diagnosis to Fasciotomy. *Journal of Surgical Orthopaedic Advances*. 2005;14(3):117-120.
14. **Pateder DB**, Kostuik JP. Lumbar Nerve Root Palsy After Adult Spinal Deformity Surgery. *Spine*. 2005;30(14):1632-1636.
15. **Pateder DB**, Carbone JJ. Cervical Spine Trauma. *Journal of Surgical Orthopaedic Advances*. 2005;14(1):8-16.
16. **Pateder DB**, Park HB, Chronopoulos E, Fayad LM, McFarland EG. Humeral head osteonecrosis after anterior stabilization. *Journal of Bone and Joint Surgery American*. 2004;86-A(10):2290-3.
17. **Pateder DB**, Gish MW, O'Keefe RJ, Hicks DG, Teot LA, Rosier RN. Parathyroid Hormone Related Peptide Expression in Cartilaginous Tumors Correlates with Malignancy. *Clinical Orthopaedics and Related Research* 2002;(403):198-204.
18. Zuscik M, **Pateder DB**, Puzas JE, Schwarz EM, Rosier RN, O'Keefe RJ. Lead alters parathyroid hormone-related peptide and transforming growth factor-beta1 effects and AP-1 and NF-kappaB signaling in chondrocytes. *Journal of Orthopedic Research* 2002;20(4):811-818.
19. **Pateder DB**, O'Keefe RJ, Schwarz EM, Puzas JE, Constone LS, Okunieff P, Rosier RN. Role of Pentoxifylline in Preventing Radiation Damage to Epiphyseal Growth Plate Chondrocytes. *Radiation Research*. 2002;157(1):62-68.
20. **Pateder DB**, Ferguson CF, Schwarz EM, Reynolds PR, Puzas JE, Rosier RN, O'Keefe RJ. PTHrP Expression in Chick Sternal Chondrocytes is Regulated by TGF- β Through Smad-Mediated Signaling. *Journal of Cellular Physiology* 2001; 188(3):343-351.
21. **Pateder DB**, Eliseev RA, Schwarz EM, Constone LS, Okunieff P, Puzas JE, O'Keefe RJ, Rosier RN. Role of Autocrine Growth Factors in Radiation Damage to the Epiphyseal Growth Plate. *Radiation Research* 2001;155:847-857.
22. **Pateder DB**, Rosier RN, Schwarz EM, Reynolds PR, Puzas JE, D'Souza M, O'Keefe RJ. PTHrP Expression in Chondrocytes, Regulation by TGF- β , and Interactions Between Epiphyseal and Growth Plate Chondrocytes. *Experimental Cell Research* 2000;256:555-562.

23. **Pateder DB**, D'Souza M, Schwarz EM, Reynolds PR, Puzas JE, O'Keefe RJ, Rosier RN. TGF-beta Stimulates PTHrP Expression in Chondrocytes. *Journal of Bone and Mineral Research*. 1999;14(1):S427.

Publications Currently Under Review

1. **Pateder DB**, Benzel E. C2 Spinous Processs Cable Fixation Enhancement With C2 Laminar Screws. *American Journal of Orthopaedics*. Submitted 02/01/2008.
2. Klineberg EO, **Pateder DB**, Kayanja M, Lieberman I. Biomechanics of the Axial Rod Versus Pedicle Screws in L5-S1 Fixation in Osteoporotic Bone. *Spine*. Submitted 12/01/2007.

Projects In-Progress

1. **Pateder DB**, Cascio BM, Kostuik JP. Complications in diabetic patients after adult deformity surgery. In progress.
2. **Pateder DB**, Leu D, Sponseller PD. Outcome analysis of the use of cervical spine instrumentation in the pediatric thoracolumbar spine. In progress.
3. **Pateder DB**, Cascio BM. Inter- and Intra-observer reliability in the use of the Stryker monitor for suspected compartment syndrome. In progress.
4. **Pateder DB**, Kostuik JP. Major and minor complications associated with adult spinal deformity surgery. In progress.

Non-Peer Reviewed Publications

Pateder DB, Park HB, Chronopoulos E, Fayad LM, McFarland EG: Response to letter to the editor re "Humeral head osteonecrosis after anterior shoulder stabilization in an adolescent." *J Bone Joint Surg* <http://www.ejbjs.org/cgi/eletters/86/10/2290>, 2005.

Book Chapters

1. Carbone JJ, **Pateder DB**: The management of spine and spinal cord injuries. In Cameron JL (ed): Current Surgical Therapy, Ed 8, Philadelphia, Elsevier, 2004:1000-1008.
2. **Pateder DB**: Cervical spine trauma: dislocation and subluxation. In Frassica FJ, Sponseller PD, Wilckens JH (eds): 5-Minute Orthopaedic Consult, Ed 2, pp 66-67. Philadelphia, Lippincott Williams & Wilkins, 2007.
3. **Pateder DB**: Charcot-Marie-Tooth disease. In Frassica FJ, Sponseller PD, Wilckens JH (eds): 5-Minute Orthopaedic Consult, Ed 2, pp 68-69. Philadelphia, Lippincott Williams & Wilkins, 2007.
4. **Pateder DB**: Heel pain (plantar fasciitis). In Frassica FJ, Sponseller PD, Wilckens JH (eds): 5-Minute Orthopaedic Consult, Ed 2, pp 168-169. Philadelphia, Lippincott Williams & Wilkins, 2007.
5. **Pateder DB**, Thomas DB: Klippel-Feil syndrome. In Frassica FJ, Sponseller PD, Wilckens JH (eds): 5-Minute Orthopaedic Consult, Ed 2, pp 208-209. Philadelphia, Lippincott Williams & Wilkins, 2007.
6. **Pateder DB**: Spinal stenosis. In Frassica FJ, Sponseller PD, Wilckens JH (eds): 5-Minute Orthopaedic Consult, Ed 2, pp 412-413. Philadelphia, Lippincott Williams & Wilkins, 2007.
7. **Pateder DB**: Pateder DB: Thoracic disc herniation. In Frassica FJ, Sponseller PD, Wilckens JH (eds): 5-Minute Orthopaedic Consult, Ed 2, pp 444-445. Philadelphia, Lippincott Williams & Wilkins, 2007.
8. **Pateder DB**: Thoracolumbar spine fracture and dislocation. In Frassica FJ, Sponseller PD, Wilckens JH (eds): 5-Minute Orthopaedic Consult, Ed 2, pp 448-449. Philadelphia, Lippincott Williams & Wilkins, 2007.
9. **Pateder DB**, Corenman D: Spinal Stenosis. In Domino (ed): The Five Minute Clinical Consult, Ed 2, Baltimore, Lippincott Williams & Wilkins, 2007.
10. **Pateder DB**, Corenman D: Spinal Stenosis. In Domino (ed): The Five Minute Clinical Consult, Ed 2, Baltimore, Lippincott Williams & Wilkins, 2008: In Press.

Abstracts

1. **Paterder DB**, Gonzales R, Kebaish KM, Cohen DB, Kostuik JP. Short Term Mortality and its Association with Independent Risk Factors in Adult Spinal Deformity Surgery. 43rd Annual Meeting of Scoliosis Research Society. September 10-13, 2008. Salt Lake City, Utah.
2. **Paterder DB**, Benzel EC. C2 Spinous Process Cable Fixation Enhancement with C2 Laminar Screws. 15th International Meeting on Advanced Spine Techniques (IMAST). July 8-11, 2008. Hong Kong, China.
3. **Paterder DB**, Benzel EC. Uninstrumented Facet Fusion in Patients Undergoing Lumbar Laminectomy For Degenerative Spondylolisthesis. American Association of Orthopaedic Surgeons. 75th Annual Meeting Proceedings. February 2008. San Francisco, California.
4. Corenman DS, Karli DC, **Paterder DB**, Spearing SA, Strauch EL. Upper Extremity Range of Motion and the Effect on Tension of the Cervical Nerve Roots. 35th Cervical Spine Research Society Annual Meeting. November 2007. San Francisco, California.
5. **Paterder DB**, Park YS, Kebaish K, Song E, Cascio BM, Shapiro M, Buchowski JM and Kostuik JP. Spinal Fusion After Revision Surgery For Pseudarthrosis In Adult Scoliosis American Association of Orthopaedic Surgeons. 73rd Annual Meeting Proceedings. March 2006. Chicago, Illinois
6. Cascio BM, **Paterder DB**, Wilckens J, Frassica FJ. A Chart Insert Improved Compartment Syndrome Documentation At An Academic Center American Association of Orthopaedic Surgeons 73rd Annual Meeting Proceedings. March 2006. Chicago, Illinois.
7. **Paterder DB**, Carbone JJ. Lateral Mass Screw Fixation For Cervical Spine Trauma. Proceedings of the Eastern Orthopaedic Association. October 2005. Chesapeake, Maryland.
8. Matusz, D, Perez O, **Paterder DP**, Kostuik JP, Kebaish K. Posterior only versus combined anterior and posterior approaches to lumbar scoliosis in adults: A radiographic analysis. 12th Annual International Meeting for Advanced Spine Techniques. July 2005. Banff, Alberta, Canada.
9. **Paterder DB**, Kostuik JP. Lumbar nerve root palsy after adult spinal deformity surgery. 12th Annual International Meeting for Advanced Spine Techniques. July 2005. Banff, Alberta, Canada.

10. Matusz, D, Perez O, **Paterder DP**, Kostuik JP, Kebaish K. Posterior only versus combined anterior and posterior approaches to lumbar scoliosis in adults: A radiographic analysis. North American Spine Society Annual Meeting Proceedings. 2005.
11. **Paterder DB**, Kostuik JP. Lumbar nerve root palsy after adult spinal deformity surgery. American Association of Orthopaedic Surgeons 72nd Annual Meeting Proceedings. 2005. Vol 6 page 540.
12. Farmer K, Queal W, Hammond J, **Paterder DB**, McFarland EM. In-hospital morbidity, mortality, and economic impact of shoulder versus hip and knee arthroplasty. American Association of Orthopaedic Surgeons 71st Annual Meeting Proceedings. 2004.
13. **Paterder DB**, Rosier RN. Role of Pentoxifylline in Preventing the Radiation-Induced Decrease in Growth Factor Function in the Avian Growth Plate. Transactions of 47th Annual Meeting of Orthopaedic Research Society. 2002. Dallas, Texas.
14. **Paterder DB**, Calciagni T, Puzas JE, Schwarz EM, Rosier RN, O'Keefe RJ. Lead Alters Intracellular Signaling Pathways and Growth Factor Responses in Chondrocytes. Transactions of 47th Annual Meeting of Orthopaedic Research Society. 2001. Dallas, Texas.
15. **Paterder DB**, O'Keefe RJ, Schwarz EM, Puzas JE, Rosier RN. Molecular Mechanisms of Radiation Damage to the Growth Plate. Transactions of 46th Annual Meeting of Orthopaedic Research Society. 2000; 25:60. Orlando, Florida.
16. **Paterder DB**, O'Keefe RJ, Schwarz EM, D'Souza M, Reynolds PR, Puzas JE, Rosier RN. TGF-beta Regulates PTHrP Expression in Chondrocytes. Transactions of 46th Annual Meeting of Orthopaedic Research Society. 2000;25:37. Orlando, Florida.
17. **Paterder DB**, Ferguson CM, Schwarz EM, Reynolds PR, Puzas JE, Rosier RN, O'Keefe RJ. Smads Mediate the Induction of the PTHrP Promoter by TGF-beta in Chondrocytes. Transactions of 46th Annual Meeting of Orthopaedic Research Society. 2000;25:60. Orlando, Florida.
18. **Paterder DB**, D'Souza M, Schwarz EM, Reynolds PR, Puzas JE, O'Keefe RJ, Rosier RN. TGF-beta Stimulates PTHrP Expression in Chondrocytes. Transactions of Annual Meeting of American Society of Bone and Mineral Research 1999. Saint Louis, MO

Oral Presentations at National/International Meetings

1. **Pateder DB.** *Short Term Mortality and its Association with Independent Risk Factors in Adult Spinal Deformity Surgery.* 15th International Meeting on Advanced Spine Techniques (IMAST). July 8-11, 2008. Hong Kong, China.
2. **Pateder DB.** *Non-Instrumented Facet Fusion in Patients Undergoing Laminectomy for Spinal Stenosis.* Special Interest Paper Presentation- North American Spine Society Annual Meeting. October 2007. Austin, Texas.
3. **Pateder DB.** *Spinal Fusion After Revision Surgery for Pseudarthrosis in Adult Scoliosis.* Eastern Orthopaedic Association Annual Meeting. October 2006. Boca Raton, Florida
4. **Pateder DB.** *Use Of Fluoroscopically Guided Intra-Articular Hip Injection In Differentiating The Pain Source In Concomitant Hip And Lumbar Spine Arthritis.* Eastern Orthopaedic Association Annual Meeting. October 2006. Boca Raton, Florida.
5. **Pateder DB.** *Pseudarthrosis in Adult Deformity Surgery: Diagnosis, Treatment and Outcome.* Maryland Orthopaedic Association Annual Meeting. April 2006. Baltimore, Maryland.
6. **Pateder DB.** *Posterior Only Versus Combined Anterior and Posterior Surgical Approaches to Lumbar Scoliosis in Adults: A Radiographic Study.* Maryland Orthopaedic Association Annual Meeting. April 2006. Baltimore, Maryland.
7. **Pateder DB** and Kostuik JP. *Lumbar Nerve Root Palsy After Adult Spinal Deformity Surgery.* Eastern Orthopaedic Association Annual Meeting. October 2005. Chesapeake Bay, Cambridge, Maryland.
8. **Pateder DB,** Song E, Shapiro G, Park Ye-Soo and Kostuik JP. *Pseudarthrosis Repair in Adult Scoliosis: Results and Outcomes.* Scoliosis Research Society Asia Pacific Spine Congress. August 25-27, 2005. Jeju Island, South Korea.
9. **Pateder DB** and Kostuik JP. *Lumbar Nerve Root Palsy After Adult Spinal Deformity Surgery.* North American Spine Society Annual Meeting. October 2005. Philadelphia, Pennsylvania.
10. **Pateder DB** and Hungerford MW. *Use of Fluoroscopically Guided Intra-articular Hip Injections in Differentiating the Pain Source in Patients with Concomitant Hip and Spine Arthritis.* Maryland Orthopaedic Association Annual Meeting. April 30, 2005. Baltimore, Maryland.

11. **Pateder, DB.** *Lumbar Nerve Root Palsy After Adult Spinal Deformity Surgery.* 72nd Annual Meeting of the American Academy of Orthopaedic Surgeons. February 2005. Washington DC.
12. **Pateder, DB.** *Role of Pentoxifylline in Preventing the Radiation-Induced Decrease in Growth Factor Function in the Avian Growth Plate.* Orthopaedic Research Society. February 2002. Dallas, Texas.
13. **Pateder, DB.** *Role of Pentoxifylline in Preventing the Radiation-Induced Decrease in Growth Factor Function in the Avian Growth Plate.* American College of Physicians-American Society of Internal Medicine. March 28-31, 2001. Atlanta, Georgia.
14. **Pateder, DB.** *Lead Alters Intracellular Signaling Pathways and Growth Factor Responses in Chondrocytes.* Orthopaedic Research Society. February 24-28, 2001. San Francisco, California
15. **Pateder, DB.** *TGF- β Regulates PTHrP Expression in Chondrocytes.* Orthopaedic Research Society. March 12-15, 2000. Orlando, Florida
16. **Pateder, DB.** *Molecular Mechanisms of Radiation Damage to the Growth Plate.* Orthopaedic Research Society. March 12-15, 2000. Orlando, Florida
17. **Pateder, DB.** *Transactivation of the PTHrP Promoter by TGF- β and Smad 3.* Orthopaedic Research Society. March 12-15, 2000. Orlando, Florida.

Professional Memberships

American Academy of Orthopaedic Surgeons
North American Spine Society
Colorado Orthopaedic Society
Johns Hopkins Hospital Surgical Association
Alpha Omega Alpha Medical Honor Society

Extracurricular

2007	Instructor for the Cleveland Clinic Spine Review 2007
2005	Member of the Johns Hopkins Hospital Department of Orthopaedic Surgery Resident Selection Committee
2005-2006	Reviewer for Oakstone Medical Publishing- Practical Reviews in Orthopaedic Surgery
August 2001	Project Medical Education (congressional medical education funding program) coordinator and participant
2001	Member of Graduation Committee
2000-2001	Volunteer at the Boys and Girls Club of Rochester
1998-2001	Volunteer at Francis Center (Catholic Halfway House)...GED tutor for residents of the home
1998-Currently	Founding member of the Student Chapter of the Rochester Academy of Medicine
1999	Group instructor to second year medical students in the cardiovascular section
1998-1999	Editor for Journal of University of Rochester Medical Center
1997-1998	Univ. of Rochester School of Medicine Student Senate Member
1996-1997	University of Rochester School of Medicine Medical School Class Vice President and Student Senate Member

Personal

Basketball, squash, golf, history (particularly Abraham Lincoln, Civil War and World War II), fishing, traveling, fantasy football