

GARY SCOTT SHAPIRO

Illinois Bone and Joint Institute
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EDUCATION

1992-1996 HEALTH SCIENCE CENTER AT SYRACUSE
Doctor of Medicine
1988-1992 STATE UNIVERSITY OF NEW YORK AT ALBANY
Bachelor of Science, Biology

SURGICAL TRAINING

2002-2003 CHILDREN'S HOSPITAL SAN DIEGO
Thoracoscopic Deformity Surgery
2001-2002 HOSPITAL FOR SPECIAL SURGERY
Spine Fellowship
1997-2001 HOSPITAL FOR SPECIAL SURGERY
Orthopaedic Surgery Residency
1996-1997 THE NEW YORK HOSPITAL/CORNELL UNIVERSITY MEDICAL
CENTER
Surgery Internship

HONORS/AWARDS

2011 Becker's Orthopedic and Spine Review: 13 Spine Surgeons for
Professional Athletes
2003 Basic Science Award Depuy Acromed Fellowship Meeting. Boston, MA
2000 Senior Research Project with FOCOS: Performed 1st THA in Ghana, Africa
1996 Alpha Omega Alpha Honor Society
1996 Dean's Letter of Commendation
1996 David G. Murray Award
1992 Magna Cum Laude, State University of New York at Albany
1992 State University of New York at Albany Dean's List

ACCREDITATION

2014	Recertified American Board of Orthopaedic Surgery (through 2025)
2012	American Academy of Disability Evaluating Physicians - Earned CEDIR in the AMA <i>Guides</i> Sixth Edition
2005	Board Certified American Board of Orthopaedic Surgery
	United States Medical Licensing Exam
1994	- Step One: Overall Score 219, 90 th percentile
1996	- Step Two: Overall Score 211, 84 th percentile
1997	- Step Three: Overall Score 216, 86 th percentile

PROFESSIONAL APPOINTMENTS

NorthShore University HealthSystem: 2003-current
Resurrection Health Care/Saint Francis Hospital: 2009-current
Foundation for Orthopaedics and Complex Spine (FOCOS): 2000-current
Chicago Bears NFL Football Team Spine Consultant: 2005-2007
Northwestern University Medical School: 2003-2009
University of Chicago Medical School: 2009-current

ADMINISTRATIVE ACTIVITY

NSUHS Professional Staff Risk Management Committee: 2011-2013
Chairman of NSUHS Professional Staff Risk Management Committee: 2013-2018
Spine Division Quality Committee Representative: 2011-current
NSUHS Education Council 2012-current
Clinical Assistant Professor of Orthopaedic Surgery at the University of Chicago: 2011-current
Faculty Host Wavering Lecture: 2012

PROFESSIONAL MEMBERSHIPS

American Academy of Orthopaedic Surgeons
North American Spine Society

LICENSURE

State of Illinois
State of Wisconsin

PUBLICATIONS

CURRENT PROJECTS

Shapiro GS, Mikhael MM, Doppenberg E, Park D, Khalil JG, Fischgrund JS. Prospective Multicenter Randomized Study Evaluating TLIF in single level PSDF in Patients with LSS and spondylolisthesis.

BOOKS/CHAPTERS

Shapiro GS et al. Burst Fractures, Scoliosis, and Lumbar Disc Herniations/Modic Changes in *Spine Imaging*, Oxford University.

Peter O Newton and Shapiro GS. *Congenital Deformity in Essentials in Orthopaedics: Spine*, 1st edition.

Shapiro GS, Bostrom MPG. Heterotopic Ossification and Charcot Neuroarthropathy. in *Chapman Operative Orthopaedics*, 3rd edition.

Shapiro GS and Weiland AJ. Distal Radius Malunion: The Use of the Locon T Plate in *Master Techniques in Orthopaedic Surgery: The Wrist*, 2nd edition.

PEER-REVIEWED PUBLICATIONS

Reddy D, Mikhael MM, Shapiro GS, Farrell T. Extensive Deep Venous Thrombosis Resulting from Anterior Lumbar Spine Surgery in a Patient with Iliac Vein Compression Syndrome: A Case Report and Literature Review. *Global Spine J* 5:22-7, 2015.

Mikhael MM, Chioffe MA, Shapiro GS. Calcium Pyrophosphate dehydrate deposition disease (CPPD)/ Pseudogout of the lumbar spine mimicking osteomyelitis-discitis with epidural phlegmon. *Am J Orthop* 42:E64-7, 2013.

Mikhael MM, Shapiro GS, Wang JC. High-grade adult isthmic L5-S1 spondylolisthesis: A report of intraoperative slip progression treated with surgical reduction and posterior instrumented fusion. *Global Spine J* 2:119-124, 2012.

Shapiro GS, Sheth N, Mintz DN, Bush H, Sculco TP. Occlusion of a vascular graft after TKA: a case report. *American Journal of Orthopedics*. *Am J Ortho* 35:476-9, 2006.

Newton PO, Faro FD, Farnsworth CL, Shapiro GS, Mohammad F, Parent S, Fricka K. Multilevel spinal growth modulation with an anterolateral flexible tether in an immature bovine model. *Spine* 30:2608-13, 2005.

Faro FD, Farnsworth CL, Shapiro GS, Mohamad F, White KK, Breisch E, Mahar AT, Tomlinson T, Bawa M, Gomez M, Newton PO. Thoracic vertebral screw impingement on the aorta in an in vivo bovine models. *Spine* 30:2406-13, 2005.

Kelly BT, Shapiro GS, DiGiovanni CW, Buly RL, Potter HG, Hannafin JA. Vascularity of the hip labrum: a cadaveric investigation. *Arthroscopy* 21:3-11, 2005.

Huang R, Shapiro GS, Sandhu H, Lutz G. Cervical epidural abscess after epidural steroid injection: a case report. *Spine* 29:E7-9, 2004.

Shapiro GS, Markel DC, Weiland D, Padgett DE, Sculco TP, Pellicci PM. The use of a constrained acetabular component: follow up of at least 2 years. *J Arthroplasty* 18:250-8, 2003.

Shapiro GS, Boachie-Adjei O, Taira G. Results of surgical treatment of adult idiopathic scoliosis with low back pain and spinal stenosis: a study of long-term clinical and radiographic outcomes. *Spine* 28:358-63, 2003.

Shapiro GS, Boachie-Adjei O, Dhalikar S, Maier L. The use of Epoetin alfa in complex spine deformity surgery. *Spine* 27:2067-71, 2002.

Shapiro GS and Weiland AJ. Degenerative osteophyte causing lateral epicondylitis. *Journal of Shoulder and Elbow Surgery* 11:383-5, 2002.

Shapiro GS, Markel DC, Weiland D, Padgett DE, Sculco TP, Pellicci PM. The use of a constrained acetabular component: follow up of at least 2 years. *Instructional Course Lectures* 50:281-7, 2001.

Shapiro GS, Millett PJ, DiCarlo EF, Mintz DN, Gamache FW, Rawlins BA. Spinal epidural hemangioma related to pregnancy. *Skeletal Radiology* 30:290-4, 2001.

Shapiro G, Green DW, Fatica NS, Boachie-Adjei O. Medical complications in scoliosis surgery. *Curr Opin Pediatr* 13:36-41, 2001.

Diminick M, Shapiro GS, Cornell CN. Acute compartment syndrome of the triceps and deltoid. *Journal of Orthopaedic Trauma* 13:225-7, 1999.

Shapiro GS, Frelinghuysen P, Sanchez P, Rawlins B, Boachie-Adjei O. Revision pediatric deformity. Submitted: *Journal of Pediatric Orthopedics*.

SCIENTIFIC PRESENTATIONS

Newton PO, Faro FD, Farnsworth CL, Shapiro GS, Mohammad F, Parent S, Fricka K, Amiel D. Multilevel spinal growth modulation with an anterolateral flexible tether in an immature bovine model. (2005) 72nd Annual Meeting of the American Academy of Orthopaedic Surgeons, Washington DC.

Shapiro GS. Seminar on Maximizing Outcomes in Orthopaedic Surgery. (2004) 71st Annual Meeting of the American Academy of Orthopaedic Surgeons, San Francisco.

Shapiro GS, Boachie-Adjei O, Maier L, Dalikar S. Preoperative erythropoietin in major spinal deformity surgery to enhance autologous blood donation. (2003) 69th National Association of Orthopaedic Nurses, Chicago.

Shapiro GS, Frelinghuysen P, Raggio C, Rawlins BA, Boachie-Adjei O, Sanchez G. Revision pediatric deformity. (2003) 38th Annual Meeting of the Scoliosis Research Society, Quebec City.

Shapiro GS, Frelinghuysen P, Raggio C, Rawlins BA, Boachie-Adjei O, Sanchez G. Revision pediatric deformity. (2003). Spine Society of Spain (GEER) Annual Meeting, Vigo, Spain.

Shapiro GS, Frelinghuysen P, Raggio C, Rawlins BA, Boachie-Adjei O, Sanchez G. Revision pediatric deformity. (2003) 70th Annual Meeting of the American Academy of Orthopaedic Surgeons, New Orleans.

Shapiro GS, Boachie-Adjei O, Maier L, Dalikar S. Preoperative erythropoietin in major spinal deformity surgery to enhance autologous blood donation. (2002) Industry sponsored lecture at North American Spine Society Annual Meeting, Montreal.

Shapiro GS, Boachie-Adjei O, Maier L, Dalikar S. Preoperative erythropoietin in major spinal deformity surgery to enhance autologous blood donation. (2002) Victoria Canadian Orthopedic Association Annual Meeting, Victoria.

Shapiro GS, Boachie-Adjei O, Maier L, Dalikar S. Preoperative erythropoietin in major spinal deformity surgery to enhance autologous blood donation. (2002) 69th Annual Meeting of the American Academy of Orthopaedic Surgeons, Dallas.

Shapiro GS, Boachie-Adjei O, Taira. Results of surgical treatment of adult idiopathic scoliosis with low back pain and spinal stenosis: a study of long-term clinical and radiographic outcomes. (2002) 69th Annual Meeting of the American Academy of Orthopaedic Surgeons, Dallas.

Kelly BT, Shapiro GS, Backus S, Williams RJ, Warren WF. Electromyographic analysis and phase definition of the football throw. (2001) 83rd Annual Alumni Meeting of the Hospital for Special Surgery, New York.

Shapiro GS, Boachie-Adjei O, Taira. Results of surgical treatment of adult idiopathic scoliosis with low back pain and spinal stenosis: a study of long-term clinical and radiographic outcomes. (2001) 83rd Annual Alumni Meeting of the Hospital for Special Surgery, New York.

Shapiro GS, Boachie-Adjei O, Taira. Results of surgical treatment of adult idiopathic scoliosis with low back pain and spinal stenosis: a study of long-term clinical and radiographic outcomes. (2001) The 32th Annual Meeting of the Eastern Orthopaedic Association, Bermuda.

Shapiro GS, Markel DC, Weiland D, Padgett DE, Sculco TP, Pellicci PM. The use of a constrained acetabular component: follow up of at least 2 years. (2001) The 31st Annual Fall Hip Course, Boston.

Shapiro GS, Boachie-Adjei O, Taira. Results of surgical treatment of adult idiopathic scoliosis with low back pain and spinal stenosis: a study of long-term clinical and radiographic outcomes. (2001) International Meeting on Advanced Spine Techniques, Paradise Island.

Shapiro GS, Boachie-Adjei O, Maier L, Dalikar S. Preoperative erythropoietin in major spinal deformity surgery to enhance autologous blood donation. (2001) International Meeting on Advanced Spine Techniques, Paradise Island.

Shapiro GS, Boachie-Adjei O, Taira. Results of surgical treatment of adult idiopathic scoliosis with low back pain and spinal stenosis: a study of long-term clinical and radiographic outcomes. (2001) 36th Annual Meeting of the Scoliosis Research Society, Cleveland.

Shapiro GS, Boachie-Adjei O, Maier L, Dalikar S. Preoperative erythropoietin in major spinal deformity surgery to enhance autologous blood donation. (2001) 36th Annual Meeting of the Scoliosis Research Society, Cleveland.

Shapiro GS, Markel DC, Weiland D, Padgett DE, Sculco TP, Pellicci PM. The use of a constrained acetabular component: follow up of at least 2 years. (2001). The 68th Annual Meeting of the American Academy of Orthopaedic Surgeons, San Francisco.

Shapiro GS, DiGiovanni CW, Kelly BT, Buly RL, Potter HG, Hannafin JA, Warren RW. Vascularity of the hip labrum. (2001) The 68th Annual Meeting of the American Academy of Orthopaedic Surgeons, San Francisco.

Shapiro GS, DiGiovanni CW, Kelly BT, Buly RL, Potter HG, Hannafin JA, Warren RW. Vascularity of the hip labrum. (2000) 82rd Annual Alumni Meeting of the Hospital for Special Surgery, New York.

Shapiro GS, Markel DC, Weiland D, Padgett DE, Sculco TP, Pellicci PM. The use of a constrained acetabular component: follow up of at least 2 years. (2000) 82rd Annual Alumni Meeting of the Hospital for Special Surgery, New York.

Shapiro GS, Boachie-Adjei O, Maier L, Dalikar S. Preoperative erythropoietin in major spinal deformity surgery to enhance autologous blood donation. (2000) 82rd Annual Alumni Meeting of the Hospital for Special Surgery, New York.

Kelly BT, Shapiro GS, Backus S, Anderson K, Williams RJ, Warren WF. Electromyographic analysis and phase definition of the football throw. (2000) The 67th Annual Meeting of the American Academy of Orthopaedic Surgeons, Orlando.

Shapiro GS, Boachie-Adjei O, Maier L, Dalikar S. Preoperative erythropoietin in major spinal deformity surgery to enhance autologous blood donation. (2000) The 31th Annual Meeting of the Eastern Orthopaedic Association, Orlando.

Shapiro GS, Markel DC, Weiland D, Padgett DE, Sculco TP, Pellicci PM. The use of a constrained acetabular component: follow up of at least 2 years. (1999). The 30th Annual Meeting of the Eastern Orthopaedic Association, Vienna.

Shapiro GS, DiGiovanni CW, Kelly BT, Buly RL, Potter HG, Hannafin JA, Warren RW. Vascularity of the hip labrum. (1999) The 30th Annual Meeting of the Eastern Orthopaedic Association, Vienna.

Kelly BT, Shapiro GS, Backus S, Anderson K, Williams RJ, Warren WF. Electromyographic analysis and phase definition of the football throw. (1999) The 30th Annual Meeting of the Eastern Orthopaedic Association, Vienna.

Fay LA, Zheng YG, Shapiro GS, Mann KA, Connolly PC, Yuan HA. Biomechanical assessment of anterior lumbar interbody fusion using the BAK System: a comparison of anterior vs. lateral insertion (1996). International Society for the Study of the Lumbar Spine, Burlington.

MEDIA:

Featured on Outspoken with Karon: Use of MRI scans for spine injuries, June 3, 2014

Featured in Chicago Health Online: A Golfing Lesson from Illinois Bone and Joint Institute, May 2014

INVITED LECTURES

Degenerative Lumbar Scoliosis: NorthShore University HealthSystem Combined Ortho-Neuro Spine Conference December 6, 2013

Degenerative Lumbar Conditions: St Francis/Resurrection Hospital Department of Internal Medicine Grand Rounds November 22, 2013

Degenerative Lumbar Scoliosis: University of Chicago Department of Orthopaedic Surgery Grand Rounds October 23, 2013

Work-Related Spine Injuries: Corvel Lecture Series
June 13, 2013

Cervical Radiculopathy: St Francis/Resurrection Hospital Department of Internal Medicine Grand Rounds
June 29, 2012

Degenerative Lumbar Scoliosis: NorthShore University HealthSystem Dept of Orthopaedic Surgery Grand Rounds
May 4, 2012

Case Presentations: University of Illinois Chicago: Department of Orthopaedic Surgery Grand Rounds
April 28, 2012

Sports-Related Lumbar Spine Injuries: Athletico University Lecture Series
February 28, 2012

Lumbar Spinal Stenosis: University of Chicago Department of Orthopaedic Surgery Grand Rounds
August 10, 2011

Lumbar Spinal Stenosis: St Francis/Resurrection Hospital Department of Internal Medicine Grand Rounds
February 26, 2010

The Aging Spine: Glenview Terrace
July 21, 2009

Osteoporotic Compression Fracture: NorthShore Senior Center
April 21, 2009