

SANJITPAL (SONNY) GILL

181 West Meadow Dr., Suite 400
Vail, CO 81657
Work (970) 476-1100
Direct (970) 401-8701
FAX (970) 238-8052
teamgill@thesteadmanclinic.com

EDUCATION	Boston University, Boston, Massachusetts Bachelor of Arts in Medical Science with a Minor in Economics <i>Summa Cum Laude</i> Graduate	1991-1994
	Boston University School of Medicine, Boston, Massachusetts Seven-Year Accelerated Combined B.A./M.D. Program <i>Cum Laude</i> Graduate	1994-1998
INTERNSHIP	University of Virginia, Charlottesville, Virginia General Surgery	1998-1999
RESIDENCY	University of Virginia, Charlottesville, Virginia Orthopaedic Surgery	1999-2003
FELLOWSHIPS	Emory Spine Center, Emory University, Atlanta, Georgia Spine Surgery, Department of Orthopaedic Surgery	2003-2004
	Steadman Hawkins Clinic, Vail, Colorado Sports Medicine and Arthroscopic Surgery	2004-2005
ACADEMIC APPOINTMENTS	Emory University, Atlanta, Georgia Clinical Instructor, Department of Orthopaedic Surgery	2003-2004
	University of South Carolina, Greenville, South Carolina GHS Assistant Professor of Clinical Orthopaedic Surgery	2006-2008
	Clemson University, Clemson, South Carolina Adjunct Assistant Professor, Department of Bioengineering	2008-present
	Edward Via College of Medicine, Spartanburg, South Carolina Assistant Professor, Dept. of Surgery, Discipline of Orthopaedic Surgery	2013-2022
	Spartanburg Regional Healthcare System, South Carolina Medical Director, Pelham Medical Center, Spine Surgery Program	2020-2022

**HONORS
AND
AWARDS**

The Leading Physicians of the World, 2018
 Becker's Spine Review, 59 Great Orthopaedic Surgeons Recommended by Healthcare Leaders, 2015
 Becker's Spine Review, 60 Spine Surgeons on the Forefront of Biologics and Stem Cells, 2015
 Top Orthopaedic Surgeons, Consumers Research Council of America, 2009, 2011, 2012
 Albert Trillat Young Investigator's Award, First Author, International Society of Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine (ISAKOS), 2003
 The Leonard Marmor Surgical Arthritis Foundation Outstanding Resident Award, 2002
 Resident/Fellow Essay Award - Basic Science, Co-author, Arthroscopy Association of North America (AANA), 2002
 First Place Founders Award for Research, Co-author, Eastern Orthopaedic Association, 2001
 First Place Resident Research Award, Co-author, Virginia Orthopaedic Society, 2001
 Resident Award for Highest OITE Score, 2000, 2001, and 2002
 Drs. Jeffries and Arnold Medical Scholarship for Rural Practice, 1998
 American Geriatrics Society Scholarship, 1997
 Commendation for Outstanding Academic Performance, 1996
 Phi Beta Kappa Honor Society, 1994
 Golden Key National Honor Society, 1994
 Phi Beta Delta Honor Society for International Scholars, 1994
 Jonathan F. Wells Memorial Award for Outstanding Achievement and Promise in the Sciences, 1991
 National Merit Scholar, Corporate Scholarship, 1991

**LEADERSHIP
POSITIONS**

Division Chair, Orthopaedic Surgery, St. Anthony's Summit Medical Center Frisco, Colorado	2009-2010
Surgeon Representative, Surgical Safety Committee, Village Hospital Greer, South Carolina	2011
Department Chair, Surgery, Village Hospital, Greer, South Carolina	2012-2014
Department Vice-Chair, Surgery, Pelham Medical Center, Greer, SC	2014-2016
Acute Care Credentials Committee, Spartanburg Regional Health System	2016-2019
Treasurer, South Carolina Spine Society	2021
President, South Carolina Spine Society	2022

PUBLICATIONS

- Borem, R, Madeline, A, Theos, C, Vela, R, Garon, A, **Gill, SS**, Mercuri, J. Angle-ply scaffold supports annulus fibrosus matrix expression and remodeling by mesenchymal stromal and annulus fibrosus cells. *J Biomed Mater Res B*, 2022, 110(5):1056-1068
- Borem R, Walters J, Madeline A, Madeline L, **Gill SS**, Easley J, Mercuri JJ. Characterization of chondroitinase-induced lumbar intervertebral disc degeneration in sheep model intended for assessing biomaterials. *J Biomed Mater Res A*, 2021, 109(7):1232-1246
- Borem R, Madeline A, Bowman M, **Gill SS**, Tokish JT, Mercuri JJ. Differential effector response of amnion- and adipose-derived mesenchymal stem cells to inflammation; Implications for intradiscal therapy. *J Orthop Research*, 2019, 37(11):2445-2456
- Borem R, Madeline A, Vela R, **Gill SS**, Mercuri JJ. Multi-laminate annulus fibrosus repair scaffold with an interlamellar matrix enhances impact resistance, prevents herniation and assists in restoring spinal kinematics. *Journal of Mechanical Behavior of Biomedical Materials*, 2019, April 95:41-52
- Walters JD, **Gill SS**, Mercuri JJ. Ethanol-mediated compaction and cross-linking enhance mechanical properties and degradation resistance while maintaining cytocompatibility of a nucleus pulposus scaffold. *Journal of Biomedical Materials Research – Part A*, 2019, Feb 107(8):2488-2499
- Hensley A, Rames J, Casler V, Rood C, Walters J, Fernandez C, **Gill SS**, Mercuri JJ. Decellularization and characterization of a whole intervertebral disc xenograft scaffold. *Journal of Biomedical Materials Research – Part A*, 2018, 106A:2412-2423
- McGuire R, Borem R, **Gill SS**, Mercuri JJ. The fabrication and characterization of multi-laminate angle-ply collagen patch for annulus fibrosus repair. *Journal of Tissue Engineering and Regenerative Medicine*, 2017, Dec 11(12):3488-3493

PUBLICATIONS

(continued)

- Borem R, Madeline A, Walters J, Mayo H, **Gill SS**, Mercuri JJ. Angle-ply biomaterial scaffold for annulus fibrosus repair replicates native tissue mechanical properties, restores spinal kinematics, and supports cell viability. *Acta Biomaterialia*, 2017, Aug 58:254-268
- Fernandez C, Marionneaux A, **Gill SS**, Mercuri JJ. Biomimetic nucleus pulposus scaffold created from bovine caudal intervertebral discs utilizing an optimal decellularization procedure. *Journal of Biomedical Materials Research – Part A*, 2016, 104(12):3093-3106
- Mercuri JJ, Addington C, Pascal R, **Gill SS**, Simionescu DT. Development and initial characterization of a chemically stabilized elastin-glycosaminoglycan-collagen composite shape-memory hydrogel for nucleus pulposus regeneration. *Journal of Biomedical Materials Research – Part A*, 2014, 102(12):4380-4393
- Mercuri JJ, Patnaik S, **Gill SS**, Liao J, Simionescu DT. Regenerative potential of decellularized porcine nucleus pulposus hydrogen scaffolds: Stem cell differentiation, matrix remodeling, and biocompatibility studies. *Tissue Eng Part A*, 2013,19(7):952-966
- Abramson AK, **Gill SS**, Ross M. Medicine of cycling: Back pain in cyclists. *Performance Cycling Conditioning*, 2011, 16(6):1-3
- Mercuri JJ, **Gill SS**, Simionescu DT. Novel tissue-derived biomimetic scaffold for regenerating the human nucleus pulposus. *Journal of Biomedical Materials Research*, 2011, 96A(2):422-435
- Gill SS**, Boden BP. The epidemiology of catastrophic spine injuries in high school and college football. *Contemporary Spine Surgery* 2008, 9(7):1-6

PUBLICATIONS
(continued)

- Gill SS**, Boden BP. The epidemiology of catastrophic spine injuries in high school and college football. *Sports Medicine and Arthroscopy Review* 2008, 16(1):2-6
- Gill SS**, Sala JL, Davis RF. The use of Osteotech surface-activated cortical lordotic allograft in anterior cervical discectomy and fusion. *Neurosurgery Quarterly* 2007, 17(3):161-165
- Gill SS**, Kirkland A. Avoid that pain in the neck. *Go Magazine* 2007, 2(4):12
- Singh K, Smucker JD, **Gill SS**, Boden SD. Use of recombinant human bone morphogenetic protein-2 as an adjunct in posterolateral lumbar spine fusion: A prospective CT-scan analysis at one and two years. *Journal of Spinal Disorders and Techniques* 2006, 19(6):416-423; Erratum published April 2007, 20(2):185
- Gill SS**, Turner MA, Battaglia TC, Leis HT, Balian G, Miller MD. Semitendinosus regrowth: Biochemical, ultrastructural, and physiological characterization of the regenerate tendon. *The American Journal of Sports Medicine* 2004, 32(5):1173-1181
- Gill SS**, Gelbke MK, Mattson SL, Anderson MW, Hurwitz SR. Fluoroscopically guided low-volume peritendinous corticosteroid injection for Achilles tendinopathy: A safety study. *The Journal of Bone and Joint Surgery* 2004, 86-A(4):802-80
- Cohen SB, **Gill SS**, Baer GS, Leo BM, Scheld WM, Diduch DR. Reducing joint destruction due to septic arthritis using an adenosine_{2A} receptor agonist. *Journal of Orthopaedic Research* 2004; 22(2):427-435
- Gill SS**, Heller JG. Cervical laminoplasty. *Techniques in Orthopaedics* 2002;17(3):324-335
- Gill SS**, Diduch DR. Outcomes following meniscal repair using the meniscal arrow in knees undergoing concurrent ACL reconstruction. *Arthroscopy* 2002;18(2):569-577
- Westerlund LE, **Gill SS**, Jarosz TS, Abel MF, Blanco JS. Posterior only unit rod instrumentation and fusion for neuromuscular scoliosis. *Spine* 2001;26(18):1984-1989
- Gill SS**, Albert TJ. Tumors of the spine. *Orthopedics Hyperguide*, Slack, Inc., 2001
- Chang JK, **Gill SS**, Zura RD, Krause WR, Wang GJ. Comparative strength of three methods of fixation of transverse acetabular fractures. *Clinical Orthopaedics and Related Research* 2001;392:433-441
- Schepesis AA, **Gill SS**, Foster TE. Fasciotomy for exertional anterior compartment syndrome: Is lateral compartment release necessary? *The American Journal of Sports Medicine* 1999;27(4):430-435

**BOOK
CHAPTERS**

- Gill SS, Donnan AS.** Burners/stingers – brachial plexopathy. In Miller MD, Hart JA, MacKnight JM (eds); Essential Orthopaedics, Philadelphia, PA: Elsevier; 2020; 441-443
- Gill SS.** Stingers and transient paresis. In Shen FH, Samartzis D, Fessler RG (eds); Textbook of the Cervical Spine, Philadelphia, PA: Elsevier-Saunders; 2015; 202-210
- Gill SS, Dorweiler KA.** The spine in sports. In Miller MD, Hart JA (eds); Sports Medicine and Arthroscopy Review Textbook, Philadelphia, PA: Saunders-Elsevier; 2011; 177-187
- Gill SS, Townsend MA.** Burners/stingers – brachial plexopathy. In Miller MD, MacKnight J (eds); Essential Orthopaedics, Philadelphia, PA: Saunders-Elsevier; 2010; 487-490
- Gill SS, Einhorn TA.** Osteoporosis and bone physiology. In Herkowitz HN, Garfin S, Eismont FJ, Bell GR (eds); Rothman-Simeone The Spine, 5th ed. Philadelphia, PA: W.B. Saunders; 2006; 108-121
- Heller JG, Pedlow FX, **Gill SS.** Anatomy of the cervical spine. In Clark CR (ed); The Cervical Spine, 4th ed. Philadelphia, PA: Lippincott, Williams, and Wilkins; 2005; 3-36
- Gill SS, Cohen SB, Miller MD.** Posterior cruciate ligament and posterolateral corner reconstruction. In Miller MD, Cole BJ (eds); Textbook of Arthroscopy. Philadelphia, PA: W.B. Saunders, 2004; 717-728
- Gill SS, Einhorn TA.** Metabolic bone disease of the adult and pediatric spine. In Frymoyer JW, Wiesel SW (eds); The Adult and Pediatric Spine, 3rd ed. Philadelphia, PA: Lippincott, Williams, and Wilkins, 2004; 121-139
- Gill SS, Heller JG.** Cervical laminoplasty. In Bradford DS, Zdeblick TA (eds); Master Techniques in Orthopaedic Surgery: The Spine, 2nd ed. Philadelphia, PA: Lippincott, Williams, and Wilkins, 2004; 111-128
- Gill SS, Einhorn TA.** Bone metabolism and metabolic bone disease. In Beaty JH (ed); Orthopaedic Knowledge Update Six. Rosemont, IL: AAOS, 1999; 149-165

**RESEARCH
GRANTS**

Gill SS, Maniakina L, Muir SM, Cannon MD, Garner HS. Bone marrow aspirate concentrate (BMAC) on clinical outcomes for patients undergoing a two-level anterior cervical discectomy and fusion. Edward Via College of Medicine, June 2021 (\$10,000)

Mercuri JJ, **Gill SS**. Assessing the regenerative capacity of amniotic stem cell seeded nucleus pulposus and annulus fibrosus implants in an injured and inflamed intervertebral disc explant organ culture. North American Spine Society Basic Research Grant Award, September 2018 (\$39,600)

Gill SS. Anatomic and computerized tomographic assessment of the potential exit points of ilio-sacral screws. Orthopaedic Research Foundation of the Carolinas, January 2007

Gill SS, Thaller JB, Anderson DG. The effects of COX-II inhibitors on posterolateral spinal fusion: A randomized, controlled study using an animal model. Synthes Spine Inc, September 2001 (\$12,840)

Gill SS, Miller MD. Evaluation of the functional properties of the musculotendinous unit of regenerate hamstring tendons. Research and Development Grant, University of Virginia, August 2001 (\$20,640)

Gill SS, Miller MD. The lizard tail phenomenon: Evaluation of the functional properties of the musculotendinous unit of regenerate hamstring tendons. Lillian T. Pratt Endowment, University of Virginia, December 2000 (\$10,000)

**WORKS IN
PROGRESS**

Cassas KJ, **Gill SS**, Sease WF, Hawkins RJ. Prospective, randomized, double-blind, placebo-controlled trial of external electric stimulation in the treatment of acute spondylolysis of the lumbar spine in athletes. Planned submission to *Spine*

INTERNATIONAL PRESENTATIONS **Gill SS, Garg S.** Outpatient minimally invasive transforaminal lumbar interbody fusion surgery: Assessing safety, efficacy, feasibility, and learning curve. Presented at the SMISS Asia/Pacific annual meeting, Osaka, Japan, October 2022

Gill SS, Sala JL, Davis RF. The use of Osteotech surface-activated cortical lordotic allograft in anterior cervical discectomy and fusion. Presented at the 23rd annual Meeting of the Cervical Spine Research Society – European Section, Leuven, Belgium, May 2007

Gill SS, Turner MA, Battaglia TC, Leis HT, Balian G, Miller MD. Semitendinosus regrowth: Biochemical, ultrastructural, and physiological characterization of the regenerate tendon. Presented at the 4th biennial congress of the International Society of Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine, Auckland, New Zealand, March 2003

Cohen SB, **Gill SS**, Leo BM, Jordan LC, Scheld WM, Diduch DR. Evaluation of an adenosine_{2A} analogue in infectious arthritis. Presented at the 32nd annual meeting of the Eastern Orthopaedic Society, Southampton, Bermuda, October 2001

Gill SS, Diduch DR. Outcomes following meniscal repair using the meniscal arrow. Presented at the 3rd biennial congress of the International Society of Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine, Montreux, Switzerland, May 2001

Westerlund LE, **Gill SS**, Jarosz T, Blanco JS, Abel MF. Single-stage posterior unit rod correction for neuromuscular scoliosis: Clinical and radiographic outcomes. Presented at the 35th annual meeting of the Scoliosis Research Society, Cairns, Australia, October 2000

**NATIONAL
PRESENTATIONS**

Gill SS. Adult cervical deformity: Definitions, parameters, and treatment options. South Carolina Brain and Spine Annual Meeting, Kiawah Island, December 2022

Gill SS, Garg S. Outpatient minimally invasive trans-foraminal lumbar interbody fusion: Safety, efficacy, feasibility, and learning curve. Society for Minimally Invasive Spine Surgery (SMISS), Las Vegas, NV, September 2022

Gill SS. Cervical spine injuries in athletes. South Carolina Association of Neurological Surgeons, Kiawah Island, SC, December 2020

Borem R, Madeline A, Vela R, **Gill SS**, Mercuri JJ. Intervertebral disc repair patch emulates native biaxial mechanics and supports cell-mediated tissue regeneration. Biomedical Engineering Society, Atlanta, GA, October 2018

Borem R, Walters J, Gill SS, Mercuri JJ. Mechanically competent biologic implants for the repair and regeneration of intervertebral discs. Southeastern Medical Device Association, Greenville, SC, May 2018

Borem R, Madeline A, Vela Jr, R, **Gill SS**, Mercuri JJ. Multi-laminate, angle-ply annulus fibrosus repair implant mimics native anisotropic biaxial mechanical properties and supports long-term cell remodeling. Orthopaedic Research Society, New Orleans, LA, March 2018

Borem R, Walters J, Madeline A, Madeline L, Easley J, **Gill SS**, Mercuri JJ. Characterization of chemonucleolysis induced disc degeneration in an ovine model: A pilot study. Orthopaedic Research Society, New Orleans, LA, March 2018

Borem R, Bowman M, Madeline A, **Gill SS**, Mercuri JJ. MSC differentiation in inflammation depends on cell origin implications for orthopaedic regenerative medicine. Orthopaedic Research Society, New Orleans, LA, March 2018

Borem R, Madeline A, Vela Jr R, **Gill SS**, Mercuri JJ. Multi-laminate, angle-ply annulus fibrosus implant supports tissue regeneration for intervertebral disc repair. Hilton Head Regenerative Medicine Workshop, Isle of Palms, SC, March 2018

Borem R, Walters J, Madeline A, Madeline L, Gill SS, Mercuri JJ. Stem cell seeded biomimetic nucleus pulposus and annulus fibrosus implants promote living repair of degenerative intervertebral discs in sheep. Society for Biomaterials, Atlanta, GA, April 2018

Borem R, Walters J, Madeline A, Vela Jr R, **Gill SS**, Mercuri JJ. Multi-laminate, angle-ply annulus fibrosus repair implant injected with glycosaminoglycan gel demonstrates increased biaxial impact resistance and restores spinal kinematics. Society for Biomaterials, Atlanta, GA, April 2018

Borem, RA, Walters J, Madeline A, **Gill SS**, Mercuri JJ. Partially restored kinematics of spinal units following repair with novel annulus fibrosus and nucleus pulposus biomaterials. Orthopaedic Research Society, San Diego, CA, March 2017

**NATIONAL
PRESENTATIONS**
(continued)

- Borem R, Madeline A, May H, **Gill SS**, Mercuri JJ. Crosslinked angle-ply annulus fibrosus repair patch resists enzymatic degradation while maintaining mechanical properties and cell viability, Orthopaedic Research Society, San Diego, CA, March 2017
- Borem R, Madeline A, Mayo H, **Gill SS**, Mercuri JJ. Crosslinked angle-ply annulus fibrosus repair patch resists enzymatic degradation while maintaining mechanical properties and cell viability. Clemson University and Georgia Tech (Joint) Biomaterials Day Symposium, Atlanta, GA, October 2016
- Borem R, Walters J, Madeline A, **Gill SS**, Mercuri JJ. Partially restored kinematics of spinal units following repair with novel annulus fibrosus and nucleus pulposus biomaterials. Clemson University and Georgia Tech (Joint) Biomaterials Day Symposium, Atlanta, GA, October 2016
- Fernandez C, **Gill SS**, Mercuri JJ. Acellular nucleus pulposus scaffold for NP replacement. Southeastern Medical Device Association Conference, Nashville, TN, May 2016
- Borem RA, McGuire R, Madeline A, **Gill SS**, Mercuri JJ. Multi-laminate AF patch for annulus fibrosus repair. Southeastern Medical Device Association Conference, Nashville, TN, May 2016
- Borem RA, **Gill SS**, Mercuri JJ. Mechanical characterization of a multi-laminate angle-ply collagen patch for annulus fibrosus repair. Orthopaedic Research Society, Orlando, FL, March 2016
- Fernandez C, **Gill SS**, Mercuri JJ. Decellularized bovine nucleus pulposus as a biomimetic Scaffold for intervertebral disc regeneration. Tissue Engineering and Regenerative Medicine International Society (TERMIS) – World Congress Conference, Boston, MA, September 2015
- McGuire R, **Gill SS**, Simionescu DT, Mercuri JJ. Decellularized pericardium as a biologic patch for annulus fibrosis repair. Orthopaedic Research Society, Las Vegas, NV, March 2015
- McGuire R, Borem R, Babrowicz S, **Gill SS**, Mercuri JJ. The development and characterization of a multi-laminate, angle-ply collagen scaffold for annulus fibrosus repair. Orthopaedic Research Society, Las Vegas, NV, March 2015
- Gill SS**. Spine injuries in sports medicine. AOSSM and AAOS Review Course for Subspecialty Certification in Orthopaedic Sports Medicine, Chicago, IL, August 2012
- Mercuri JJ, Patnaik S, **Gill SS**, Liao J, Simionescu DT. Assessment of human stem cell differentiation on a biomimetic scaffold for nucleus pulposus tissue engineering. Tissue Engineering and Regenerative Medicine International Society (TERMIS) – North American Annual Conference, Houston, TX, December 2011
- Gill SS**. Neck and spine pain in cyclists. USA Cycling Medical Conference, Colorado Springs, CO, August 2011

**NATIONAL
PRESENTATIONS**
(continued)

Gill SS. Spine injuries in sports medicine. Presented at the AOSSM and AAOS Review Course for Subspecialty Certification in Orthopaedic Sports Medicine, Chicago, IL, August 2011

Mercuri JJ, Addington C, **Gill SS**, Simionescu DT. New hydrogel biomaterials for the minimally invasive treatment of disc degeneration. Spine Study Group, Palm Beach, FL, May 2011

Gill SS. Low stress instrumentation in the aging spine and deformity. Fundamental Principles of Spine Surgery, San Diego, CA, March 2011

Addington C, Mercuri JJ, **Gill SS**, Simionescu DT. Stabilized elastin-glycosaminoglycan-Collagen shape-memory sponge scaffolds for nucleus pulposus tissue engineering. Orthopaedic Research Society, Long Beach, CA, January 2011

Gill SS. Surgical approaches in the aging spine. When can we minimize levels and when is minimally invasive surgery appropriate? Decision Making Strategies in the Aging Spine, Scottsdale, AZ, January 2011

Mercuri JJ, Addington C, **Gill SS**, Simionescu DT. New hydrogel biomaterials for the minimally invasive treatment of disc degeneration. Annual Meeting of the Society for Minimally Invasive Spine Surgery, Miami, FL, November 2010.

Gill SS. Neck and spine pain in cyclists. USA Cycling Medical Conference, Colorado Springs, CO, November 2010

Mercuri JJ, **Gill SS**, Simionescu A, Simionescu DT. Xenogenic cues for human mesenchymal stem cell differentiation towards a nucleus pulposus cell-like phenotype. North American Spine Society, Orlando, FL, October 2010

Gill SS. Spine injuries in sports medicine. Presented at the AOSSM and AAOS Review Course for Subspecialty Certification in Orthopaedic Sports Medicine, Chicago, IL, August 2010

Mercuri JJ, Pascal R, **Gill SS**, Simionescu DT. Tissue-derived extracellular matrix scaffolds for regenerating the human nucleus pulposus. Orthopaedic Research Society, New Orleans, LA March 2010

Gill SS. Spine injuries in sports medicine. AOSSM and AAOS Review Course for Subspecialty Certification in Orthopaedic Sports Medicine, Chicago, IL, August 2009

Mercuri JJ, **Gill SS**, Simionescu DT. Novel pentagalloylglucose stabilized hydrogels for tissue Engineering the nucleus pulposus. Orthopaedic Research Society, Las Vegas, NV, February 2009

**NATIONAL
PRESENTATIONS**
(continued)

- Gill SS.** Spine injuries in sports medicine. AOSSM and AAOS Review Course for Subspecialty Certification in Orthopaedic Sports Medicine, Chicago, IL, August 2008
- Gill SS.** Cervical spine transient quadriparesis. AOSSM Advanced Team Physician Course, Palm Springs, CA, December 2007
- Gill SS.** Spondylolysis. AOSSM Advanced Team Physician Course, Palm Springs, CA, December 2007
- Gill SS.** Log rolling and spine injury management. AOSSM Advanced Team Physician Course, Palm Springs, CA, December 2007
- Gill SS.** The athlete with a spine injury – return to play. AOSSM Advanced Team Physician Course, Palm Springs, CA, December 2007
- Gill SS.** Surgical advances – minimally invasive spine surgery. AOSSM Advanced Team Physician Course, Palm Springs, CA, December 2007
- Gill SS.** Spine injuries in sports medicine. AOSSM and AAOS Review Course for Subspecialty Certification in Orthopaedic Sports Medicine, Chicago, IL, August 2007
- Gill SS.** The spine in sports. 4th Annual Steadman Hawkins Sports Medicine Symposium, Spartanburg, SC, June 2007
- Gill SS.** Spondylolysis in athletes. 4th Annual Steadman Hawkins Sports Medicine Symposium, Spartanburg, SC, June 2007
- Gill SS.** L5-S1 isthmic spondylolisthesis. Keep it simple. Posterolateral fusion ± decompression is enough. Spine Study Group 18th Symposium, Palm Beach, FL, May 2007
- Gill SS.** Degenerative spondylolisthesis with lumbar stenosis. Is there a role for minimal access surgery? Spine Study Group 18th Symposium, Palm Beach, FL, May 2007
- Gill SS.** Cervical radiculopathy. Community Health Seminar, Greenville, SC, May 2007
- Gill SS.** Why my neck hurts and what can I do about it? Women’s Health Seminar, Greenville, SC, March 2007
- Gill SS.** The spine in sports. 3rd Annual Steadman Hawkins Sports Medicine Symposium, Spartanburg, SC, June 2006
- Gill SS.** The spine in sports. 2nd Annual Steadman Hawkins Sports Medicine Symposium, Greenville, SC, June 2005
- Gill SS, Turner MA, Battaglia TC, Leis HT, Balian G, Miller MD.** Semitendinosus regrowth: Biochemical, ultrastructural, and physiological characterization of the regenerate tendon. 49th annual meeting of the Orthopaedic Research Society, New Orleans, LA, February 2003

**NATIONAL
PRESENTATIONS**
(continued)

- Gill SS**, Turner MA, Battaglia TC, Leis HT, Balian G, Miller MD. Semitendinosus regrowth: The physiologic properties of the lizard tail phenomenon. 33rd annual meeting of the Eastern Orthopaedic Society, Amelia Island, FL, October 2002
- Gill SS**, Turner MA, Battaglia TC, Leis HT, Balian G, Miller MD. Semitendinosus Regrowth: The physiologic properties of the lizard tail phenomenon. 55th annual meeting of the Virginia Orthopaedic Society, Hot Springs, VA, May 2002
- Cohen SB, **Gill SS**, Baer GS, Leo BM, Scheld WM, Diduch DR. Evaluation of an adenosine_{2A} analogue in infectious arthritis. 21st annual meeting of the Arthroscopy Association of North America, Washington, D.C., May 2002
- Gill SS**, Turner MA, Battaglia TC, Balian G, Miller MD. Semitendinosus regeneration: The lizard tail phenomenon revisited. American Orthopaedic Association 35th Annual Residents' Conference, Memphis, TN, April 2002
- Cohen SB, **Gill SS**, Baer GS, Leo BM, Scheld WM, Diduch DR. Evaluation of an adenosine_{2A} analogue in infectious arthritis. Presented at the 69th annual meeting of the American Association of Orthopaedic Surgeons, Dallas, TX, February 2002
- Gill SS**, Diduch DR. Outcomes following meniscal repair using the meniscal arrow. Presented at the 4th biannual University of Virginia orthopaedic alumni meeting Charlottesville, VA, October 2001
- Cohen SB, **Gill SS**, Leo BM, Jordan LC, Scheld WM, Diduch DR. Evaluation of an adenosine_{2A} analogue in infectious arthritis. Presented at the 4th biannual University of Virginia orthopaedic alumni meeting, Charlottesville, VA October 2001
- Gill SS**, Diduch DR. Outcomes following meniscal repair using the meniscal arrow. Presented at the 20th annual meeting of the Arthroscopy Association of North America, Seattle, WA, April 2001
- Cohen SB, **Gill SS**, Leo BM, Jordan LC, Scheld WM, Diduch DR. Evaluation of an adenosine_{2A} analogue in infectious arthritis. Presented at the 54th annual meeting of the Virginia Orthopaedic Society, Williamsburg, VA, April 2001
- Gill SS**, Chang JK, Zura RD, Krause WR, Wang GJ. Comparative strength of three methods of fixation for transverse acetabular fractures. Presented at the American Orthopaedic Association 34th Residents' Conference, Hershey, PA, March 2001
- Gill SS**, Diduch DR. Outcomes following meniscal repair using the meniscal arrow. Presented at the American Orthopaedic Association 34th Annual Residents' Conference, Hershey, PA, March 2001
- Gill SS**, Diduch DR. Outcomes following meniscal repair using the meniscal arrow. Presented at the 53rd annual meeting of the Virginia Orthopaedic Society, Virginia Beach, VA, May 2000
- Schepsis AA, **Gill SS**, Foster TE. Fasciotomy for exertional anterior compartment syndrome: Is lateral compartment release necessary? Presented at the 65th annual meeting of the American Academy of Orthopaedic Surgeons, American Orthopaedic Society for Sports Medicine specialty day, New Orleans, LA, March 1998
- Gill SS**. Osteoporosis in the elderly: The future of care and management. Presented at the Summer Institute in Geriatrics sponsored by the National Institute on Aging, Boston, MA, August 1997

**RELATED
RESEARCH
EXPERIENCE**

Comparison of the post-operative use of enoxaparin versus heparin in preventing deep venous thromboses in total hip and total knee arthroplasty with Mark Shaieb, M.D., Department of Orthopaedic Surgery, Queen's Medical Center, Honolulu, HI, 1995

Use of trophoblast antigen to stimulate production of an embryotoxic factor in women with recurrent spontaneous abortions of unknown etiology with a congenic mouse model to induce the resorption of fetuses with Joseph Hill, M.D., Department of Reproductive Endocrinology, Brigham and Women's Hospital, Boston, MA, 1994

Development and evaluation of a survey investigating the complementary therapies utilized by HIV+ patients, and CD-8 rescue cloning to expand and attempt to improve the immune system of HIV+ patients with Julian Gold, M.D., Department of Infectious Diseases, Prince of Wales Hospital, Sydney, Australia, 1993

**TEAM
COVERAGE**

United States Ski & Snowboard Association (USSA), Team Physician, 2006 – present
USSA, FIS Freestyle World Cup, Valmalenco, Italy, 2023
Greenville Triumph, USL 1 Pro Soccer, 2022
USSA, FIS Freestyle World Cup, L'Alpe D'Huez, France, 2021
USSA, FIS Freestyle World Cup, Idre Fjäll, Sweden 2020
USSA, FIS Freestyle World Cup, Calgary, Canada 2019
USSA, FIS Freestyle World Cup, Thaiwoo, China, 2017
USSA, Freestyle Training Camp, Zermatt, Switzerland, October 2016
USSA, FIS Freestyle World Cup, Deer Valley, Utah, 2016
USSA, FIS Freestyle World Cup, La Plagne, France, 2014
USSA, FIS Freestyle World Cup, Ruka, Finland, 2011
Ford Ironman Triathlon World Championships, Kona, HI, 2008 – 2010
United States Adaptive Ski Team, USSA, Head Team Physician, 2008 – 2010
USSA, FIS Freestyle World Cup, Moscow, Russia, 2008
United States Pro Cycling Championships, Greenville, SC, 2006 – 2008
Greenville Drive, Single-A Minor League Baseball (Red Sox affiliate), 2006 – 2008
USSA, FIS Freestyle World Cup, Voss, Norway, 2007
USSA, Freestyle Training Camp, El Colorado, Chile, 2006
USSA, FIS Freestyle World Cup, Inawashiro, Japan, 2006
Colorado Rockies, spring training, 2005
USSA, FIS World Cup, Beaver Creek, Colorado, 2004
Denver Broncos, Training Camp, 2004
University of Virginia, Men's Lacrosse ACC tournament, 2003
Roanoke Express AHL hockey, Team Physician, 2001-2002

**COURSE
FACULTY**

South Carolina Brain and Spine Annual Meeting, Course Co-Chairman, Kiawah Island, SC, December 2022

Fellows' Minimally Invasive Spine Surgery Techniques, Tampa, FL, May 2022

Evolving Spine Surgical Practice with the CoVID-19 Pandemic, Dallas, TX, March 2021

South Carolina Association of Neurological Surgeons, Kiawah Island, SC, December 2020

Complex and Revision Surgery with Bone Graft Substitutes, Dallas, TX, November 2020

Posterior Revision Surgery – Cervical to Lumbosacral, Dallas, TX, Spring 2020

Lumbar Spine A-Z Seminar, Vail, CO, October 2019

Complex Posterior Cervical Decision Making, Dallas, TX, January 2017

Decisions in Spine: Clinical and Practice, New Orleans, LA, November 2015

Decisions in Spine: Growing Your Practice, San Diego, CA, March 2014

13th Annual International Society for the Advancement of Spine Surgery (ISASS), Abstract Review Committee, Vancouver, British Columbia, Canada, April 2013

Fundamental Principles and Techniques in Spinal Surgery, San Diego, CA, January 2013

Thoracic Realignment Procedural Insights at the Scoliosis Research Society Meeting, Chicago, IL, September 2012

6th Annual AOSSM and AAOS Review Course for Subspecialty Certification in Orthopaedic Sports Medicine, Chicago, IL, August 2012

Fundamental Principles and Techniques in Spinal Surgery, San Diego, CA, March 2012

Decision Making Strategies in the Aging Spine, Scottsdale, AZ, March 2012

Decision Making Strategies for Complex Degenerative Conditions, New Orleans, LA, October 2011

2nd Annual USA Cycling Medical Conference, Colorado Springs, CO, August 2011

5th Annual AOSSM and AAOS Review Course for Subspecialty Certification in Orthopaedic Sports Medicine, Chicago, IL, August 2011

Fundamental Principles and Techniques in Spinal Surgery, San Diego, CA, March 2011

Decision Making Strategies in the Aging Spine, Scottsdale, AZ, January 2011

1st Annual USA Cycling Medical Conference, Colorado Springs, CO, November 2010

4th Annual AOSSM and AAOS Review Course for Subspecialty Certification in Orthopaedic Sports Medicine, Chicago, IL, August 2010

Complex Spine Technique Training, Washington, DC, April 2010

Minimal Access Spinal Technologies, Memphis, TN, January 2010

3rd Annual AOSSM and AAOS Review Course for Subspecialty Certification in Orthopaedic Sports Medicine, Chicago, IL, August 2009

2nd Annual AOSSM and AAOS Review Course for Subspecialty Certification in Orthopaedic Sports Medicine, Chicago, IL, August 2008

Advanced Team Physician Course, AOSSM, Palm Springs, CA, December 2007

AOSSM and AAOS Review Course for Subspecialty Certification in Orthopaedic Sports Medicine, Chicago, IL, August 2007

4th Annual Steadman Hawkins Sports Medicine Symposium, Spartanburg, SC, June 2007

Spine Study Group 18th Symposium, Palm Beach, FL, May 2007

3rd Annual Steadman Hawkins Sports Medicine Symposium, Spartanburg, SC, June 2006

2nd Annual Steadman Hawkins Sports Medicine Symposium, Greenville, SC, June 2005

Annual University of Virginia Visiting Professor Conference, Department of Orthopaedic Surgery, Course Chairman, Charlottesville, VA, May 2003

EDITORIAL REVIEW BOARD	Orthopaedic Knowledge Online, AAOS, Spine Section North American Spine Society SpineLine Editorial Board
ABSTRACTS PUBLISHED	Cohen SB, Gill SS , Jordan LC, Leo BM, Scheld WM, Diduch DR. Evaluation of an adenosine _{2A} analogue in infectious arthritis. American Association of Orthopaedic Surgeons, Dallas, TX, February 2002. 69 th Annual Meeting Proceedings Book, 2002 Gill SS , Diduch DR. Outcomes following meniscal repair using the meniscal arrow. <i>Arthroscopy</i> [serial online]. Meeting abstracts, 2001
TEACHING EXPERIENCE	Spine Lecturer, Edward Via College of Medicine, Spartanburg, South Carolina, 2012-present Family Medicine Board Review Course, Orthopaedic Section, Educational Testing Consultants, Inc., Atlanta, Georgia, 2004 Co-Founder of MCAT Review Program Honolulu, Hawaii, 1995 Princeton Review USMLE and MCAT Preparatory Courses Newton, Massachusetts, 1994-1998
PROFESSIONAL ORGANIZATIONS	American Academy of Orthopaedic Surgeons North American Spine Society International Society for the Advancement of Spine Surgery Society for Minimally Invasive Spine Surgery American Orthopaedic Society for Sports Medicine South Carolina Orthopaedic Association
PROFESSIONAL SERVICE	Charlottesville High School sports physicals, 1999-2003 Medical student peer advisor, 1995-98 Flu shot program for the elderly and indigent, coordinator, 1994-98 Massachusetts Medical Society, 1994-98 <ul style="list-style-type: none"> • Delegate, Geriatric Medicine Committee, 1996-97 • Treasurer, Student Chapter, 1995-96 • Delegate, Student Health and Sports Medicine Committee, 1995-96 American Medical Student Association, 1994-98 <ul style="list-style-type: none"> • Representative, Task Force in AIDS, 1994-96 • Delegate, 45th Annual Convention, 1995 American Medical Association, 1994-present <ul style="list-style-type: none"> • Student Representative, 145th Annual Convention, 1996
CERTIFICATION	American Board of Orthopaedic Surgery, Part II, Recertification Exam, April 2016 American Board of Orthopaedic Surgery, Part II, Board Certified, September 2007 American Board of Orthopaedic Surgery, Part I, 98 th percentile, September 2003
LICENSURE	Colorado, Issued April 23, 2004 South Carolina, Issued October 7, 2004
INTERESTS	Triathlons, skiing, wakeboarding, soccer, saltwater aquariums, stamp collecting, golf