

CURRICULUM VITAE

PERSONAL DATA

Name: **Edwin E Spencer Jr MD**
Social Security No.

EDUCATION

1984-1988 John T Hoggard High School, Wilmington, N.C.
1988-1992 North Carolina State University, Raleigh, N.C.
Zoology/Premed
Summa Cum Laude
1992-1996 Duke University, Durham, N.C.
M.D.

POSTDOCTORAL TRAINING

1996-1997 Surgical Internship, Department of Surgery, The University of Michigan Medical Center, Ann Arbor, Michigan
1997-2001 Orthopaedic Surgery Residency, Section of Orthopaedic Surgery, The University of Michigan Medical Center, Ann Arbor, Michigan
2001-2002 Shoulder and Elbow Surgery Fellowship
Cleveland Clinic Foundation, Cleveland, OH

CLINICAL/HOSPITAL APPOINTMENTS

2002- Staff Surgeon, The University of Tennessee, Knoxville, TN
2002- Staff Surgeon, Orthopaedic Surgery, Tennova, Knoxville, TN
2002- Staff Surgeon, East Tennessee Children's Hospital
Knoxville, TN
2010- Staff Surgeon, Knoxville Orthopaedic Clinic Surgery Center, Knoxville TN

SCIENTIFIC ACTIVITIES

Reviewer of Manuscripts

Journal of Bone and Joint Surgery 2003-
Clinical Orthopaedics and Related Research 2003-
Journal of Engineering in Medicine 2006-
Journal of Shoulder and Elbow Surgery 2007-
Journal of American Academy of Orthopaedic Surgeons 2008-

National Committee Memberships

2002- Committee Member, Exhibit Committee, Mid-America Orthopaedic Association
2003- Committee Member, Nominating Committee, Mid-America Orthopaedic Association
2003- Committee Member, Upper Extremity Evaluation Subcommittee, American Academy of Orthopaedic Surgeons (developing the Upper Extremity Self Assessment Exam)

2011- Nominating Committee for ASES
2015 – MOC Testing Exam Committee AANA/ASES
2018 – Education Committee for ASES
2018 – Abstract Review Panel for ASES

GRANT SUPPORT-EXTRAMURAL

Recent: MOON Research PICORI grant to prospectively compare operative versus nonoperative treatment of atraumatic rotator cuff tears 2017. ARC Trial

Research grant from DePuy for evaluating minimum 2 year follow up on 200 consecutive anchor peg glenoids with radiographic evaluation.
Awarded 9/09

Research Grant from Tornier for evaluating the kinematics of total shoulder arthroplasties with Dr. Rick Komistek. Awarded Sept 2008.

Mid-America Orthopaedic Association Resident Research Grant.
Biomechanical Evaluation of Reconstruction of the Sternoclavicular Joint.
Awarded to Edwin Spencer, M.D., John E. Kuhn, M.D., Sponsor.
December 1, 2000-November 30, 2001, \$5,000

Katherine Wolcott Walker Resident Research Award. Orthopaedic Research and Education Foundation. Biomechanics of Reconstructions for Sternoclavicular Joint Instability. Awarded to Edwin Spencer, M.D, Principal Investigator and, John E. Kuhn, M.D., Co-Primary Investigator.
January 1, 2001-December 31, 2001, \$15,000.

Research Grant awarded from DePuy for evaluation of the effect of prosthetic humeral version on shoulder stability with glenoid component retroversion. (published in JBJS). Principle investigator Edwin E Spencer Jr MD and Co-Primary Investigator Joseph P Iannotti MD PhD.
December 12, 2001, \$50,000.

Mid-America Traveling Fellowship. Awarded February 2005, \$5000.

Pending:

GRANT SUPPORT-INTRAMURAL

Recent: Research grant for MOON. Multiple research grants for the study of rotator cuff disease from 2008-2015

Current: Knoxville Orthopaedic Clinic Shoulder and Elbow Center Research Foundation

Pending: None

CERTIFICATION AND LICENSURE

Board Certification: USMLE Part I Passed June 1995

USMLE Part II Passed March 1996
USMLE Part III Passed May 1997
American Board of Orthopaedic Surgery, Board Certified,
July, 2004.

Medical License: Tennessee 2003-present #36487

DEA Number:
Medicaid UPIN: 3876135
Medicaid # 3876134
Medicare UPIN H0548
BCBSM Pin: 4042447

MILITARY SERVICE

None

HONORS AND AWARDS

1985	Eagle Scout
1991	Most Appreciated Brother, Alpha Epsilon Medical Fraternity
1992	Gamma Delta Honor Society Scholar Award
1998	Bronze Beeper Award (Awarded for excellence in resident teaching by peers) University of Michigan Orthopaedic Surgery Department, Ann Arbor, MI
2001	James Baril Research Award
2001	Katherine Wolcott Walker Research Award
2003	Nominated for the Charles S Neer Award for Spencer EE, ValdevitA, Kambic H, Brems JJ, Iannotti JP. The effect of humeral component anteversion on shoulder stability with glenoid component retroversion.
2006	Inducted into the American Shoulder and Elbow Society
2010	Inducted into the American Orthopaedic Association
2011	Received Neer Award with the MOON group for "Effectiveness of Physical Therapy in Treating Atraumatic Full Thickness Rotator Cuff Tears. A Multi-Center Prospective Cohort Study"
2013	Received Neer Award with the MOON group for "Defining Indications for Rotator Cuff Repair: Predictors of Failure of Nonoperative Treatment of Chronic, Symptomatic, Full-Thickness Rotator Cuff Tears"
2013	Leaders in Joint Replacement: Generation Next. Presented on 3/20/13 at the AAOS.
2013	Voted as one of the top 28 shoulder surgeons in the US
2014	Leaders in joint replacement: Generation Next
2014	Voted as one of the top 28 shoulder surgeons in the US

MEMBERSHIPS AND OFFICES IN PROFESSIONAL SOCIETIES

1989-1992	Alpha Epsilon Delta Medical Fraternity
2001-	Member Mid-America Orthopaedic Association

2001-	Member Michigan Orthopaedic Society
2002-	Member Tennessee Orthopaedic Society
2004-	Fellow of the American Academy of Orthopaedic Surgeons
2006-	Member of the American Shoulder and Elbow Surgeons Society
2010-	Member of The American Orthopaedic Association
2016-	Member of the International Association of Orthopedic Surgeons

TEACHING ACTIVITIES-THE CLEVELAND CLINIC FOUNDATION

Lectures

“Rotator cuff interval: What the Hell Is It?” Presented at the Cleveland Clinic Foundation Orthopaedic Grand Rounds April 2002.

“Elbow Instability.” Presented at the Cleveland Clinic Foundation Orthopaedic Grand Rounds May 2002.

EXTRAMURAL INVITED PRESENTATIONS

Invited Local Lectureships and Presentations

“Preventing Costly Upper Extremity Injuries at Work.” Presented at St. Mary’s Medical Center Orthopaedic Community Outreach and Education 5/03.

“Shoulder arthroplasty: History and Techniques” Presented at Update for Primary Care Physicians in Knoxville, TN September 2003.

“Will your shoulder ruin your summer? An overview of common shoulder problems.” Presented at the University Club for St Mary’s Health System on June 17, 2004.

“Arthroscopic rotator cuff repairs and rehabilitation” Presented to SEO Physical Therapists on 4/10/06.

“What is new in shoulder surgery” Presented at the University Club for St Mary’s Health System on July 7, 2006.

Invited National and International Lectureships and Presentations

“Total Joint Arthroplasty.” Presented at the Johnson & Johnson Training Center in Princeton, NJ October 1999 and July 2000.

“Tendon Transfers for the Irreparable Rotator Cuff Tear.” Presented at the Biannual University of Michigan Shoulder Symposium in Ann Arbor, MI in September 2002.

“How to Perform Arthroscopic SLAP and Bankart Repairs.” Cadaveric workshop at the Baptist Ambulatory Surgery Center in Nashville, TN on 6/24/03.

“Arthroscopic rotator cuff repairs. The good bad and the ugly” Presented at the University of Michigan Badgley Day in Ann Arbor, MI on 10/29/2004.

“Elbow Arthroscopy: Applications to the athletes elbow.” Presented at the Vanderbilt Shoulder Symposium in Nashville, TN on 11/19/2004.

“Simple elbow dislocation: Diagnosis, clinical pathology, and management.” Presented at AAOS/ASES Surgical Techniques and Management of the Shoulder and Elbow #3700 in Rosemont, IL on Jan 28-30, 2005.

“Open exposures of the elbow.” Presented at AAOS/ASES Surgical Techniques and Management of the Shoulder and Elbow #3700 in Rosemont IL on Jan 28-30, 2005.

“Laying the foundation – Open rotator cuff repair/Open instability repair.” Presented at AAOS/ASES Surgical Techniques and Management of the Shoulder and Elbow #3700 in Rosemont, IL on Jan 28-30, 2005.

“Arthroscopic rotator cuff repairs.” Presented in Naples, Fl at Arthrex shoulder instructional meeting September 12, 2005.

“Reverse total shoulder arthroplasty: Indications and complications.” Presented at the Second Annual Vanderbilt Shoulder Symposium in Nashville, TN on Oct 7, 2005.

“Arthroscopic rotator cuff repairs: The good bad and the ugly.” Presented in Naples, Fl at Arthrex shoulder instructional course May 22, 2006.

“SLAP Lesions” Presented in Naples, Fl at Arthrex shoulder instructional course May 22, 2006

“Reverse shoulder arthroplasty” Presented at the University of Michigan Badgley Day 10/27/06

“Partial thickness rotator cuff tears” Presented at the 3rd Annual Vanderbilt Shoulder Symposium 11/3/06

“Reverse shoulder arthroplasty” Presented at the 1st Annual KOC Shoulder Symposium 11/10/06

“Two row rotator cuff repairs” Presented at the 1st Annual KOC Shoulder Symposium 11/10/06

“Evaluation and treatment of pectoralis major tendon injuries” Presented at the 25th Annual Mid-America Association meeting April 2007

“Function and treatment of pathology of long head of the biceps tendon” Presented at the 25th Annual Mid-America Association meeting April 2007

“Partial thickness rotator cuff tears” Presented at Arthrex Eastern Faculty Symposium 7/14/08

“Portal placement for shoulder instability and labral repairs” Presented at AAOS/ASES Arthroscopic Management of Rotator Cuff Disease and Instability at the Orthopaedic Learning Center in Rosemont, IL on July 17-19, 2008.

“Grade III AC joint injuries: The good the bad and the ugly” Presented at AOA March 28, 2010.

“AC joint injuries and their management” Presented at the University of Michigan Badgley Day on 10/9/2012.

ICL “What went wrong and what to do about it” Presented at AAOS national meeting Feb 9, 2012 .

ICL #428 “What went wrong and what to do about it – AC joint reconstruction” Presented at 2013 AAOS national meeting.

ICL #247 “Can the reverse TSA treat everything?” Presented at 2013 AAOS national meeting.

“Reverse Shoulder Arthroplasty: Extending the Indications” Presented at the 2013 Annual Fall Michigan Orthopaedic Society Meeting 10/2/13.

“Total Shoulder Arthroplasty: Indications and Results” Presented at the 2013 Annual Fall Michigan Orthopaedic Society Meeting 10/2/13.

“Reverse TSA: Extending the indications” Presented at the 2014 AAOS national meeting.

“ AC Joint Reconstructions” Presented at the 2014 AAOS national meeting.

“Reverse TSA: Indications and Complications” Presented at the ICJR Hawaii meeting July 2014

“Total Shoulder Arthroplasty: The Glenoid” Presented at the ICJR Hawaii meeting July 2014

“Indications for Reverse TSA” Presented at ICJR Hawaii meeting July 2015

“Tips and Tricks for TSA” Presented at ICJR Hawaii meeting July 2015

“ Complications in RSA and how to avoid them” Presented at the Indianapolis Fellows Arthroplasty meeting April 2016.

“What to do with posterior glenoid wear” Presented at the Indianapolis Fellows Arthroplasty meeting April 2016.

“Total elbow arthroplasty: Indications and principles” Presented at the Indianapolis Fellows Arthroplasty meeting April 2016.

“Humeral bone loss in revision arthroplasty” Presented at the Summit on Revision Arthroplasty August 2018.

Extramural Physician Education Material and Continuing Education Conferences

Course Faculty. Shoulder and Elbow: The Essentials at the Orthopaedic Learning Center in Rosemont, IL from October 31, 2003 through November 2, 2003. Sponsored by the AAOS and ASES.

Course Faculty. The Shoulder: Open and Arthroscopic Techniques at the Orthopaedic Learning Center in Rosemont, IL from May 30, 2003 through June 1, 2003. Sponsored by the AAOS and ASES.

Course Faculty. Surgical Techniques and Management of the Shoulder and Elbow #3700 at the Orthopaedic Learning Center in Rosemont, IL on Jan 28-30, 2005. Sponsored by the AAOS and ASES.

Course Faculty. AAOS/ASES Shoulder Arthroplasty: Surgical Indications and Techniques at the Orthopaedic Learning Center in Rosemont, IL on Oct 6-7, 2006. Sponsored by the AAOS and ASES.

Course Faculty. AAOS/ASES Arthroscopic Management of Rotator Cuff Disease and Instability at the Orthopaedic Learning Center in Rosemont, IL on July 17-19, 2008. Sponsored by the AAOS and ASES.

Program Chair/Committee Member for CME Courses

Course Director. First Annual Knoxville Orthopaedic Clinic Shoulder Symposium. November 10, 2006.

Program Director. “What is new in shoulder surgery?” Shoulder Symposium held at the 24th Annual Mid-America Meeting in San Antonio, TX on April 22, 2006.

Course Director. Boots, Blue Jeans and Bourbon. The Southern Shoulder Course. September 23, 2016

Original Research Presentations, National

1. **Spencer EE**, Vail TP. The effect of a bucket-handle tear on meniscal hoop strain in a dynamic flexion model. Presented at the North Carolina Orthopaedic Association Annual Meeting in Winston Salem, NC 1992.

2. **Spencer EE**, Vail TP. The effect of a bucket-handle tear on meniscal hoop strain in a dynamic flexion model.. Presented at the Duke University Annual Research Society Meeting in Durham, NC 1992.
3. **Spencer EE**, Bierman JS, Femino JA. Osteoid osteoma of the fifth metatarsal: Case report and literature review. Presented at the Michigan Orthopaedic Society Annual Meeting in Macinac Island, MI, June 2000.
4. **Spencer EE**, Jebson PJJ. Flexor tendon sheath ganglia. Results of surgical resection. Presented at Michigan Orthopaedic Society Annual Meeting in Macinac Island, MI, June 2000.
5. **Spencer EE**, Jebson PJJ. Flexor tendon sheath ganglia. Results of surgical resection. Presented at the Residents and Fellows Conference of the American Society for Surgery of the Hand in Seattle, WA on October 4, 2000.
6. **Spencer EE**, Jebson PJJ. Flexor tendon sheath ganglia. Results of surgical resection. Presented at the Mid-America Orthopaedic Association Meeting in Amelia Island, FL in 2001.
7. **Spencer EE**, Kuhn JE, Huston LJ, Carpenter JE, Hughes RE. Ligamentous restraints to anterior and posterior translation of the sternoclavicular joint. Presented at the 19th Annual Mid-America Orthopaedic Association Meeting in Amelia Island, Florida, 2001.
8. **Spencer EE**, Kuhn JE, Huston LJ, Carpenter JE, Hughes RE. Ligamentous restraints to anterior and posterior translation of the sternoclavicular joint. Presented at the 68th Annual American Academy of Orthopaedic Surgeons Meeting in San Francisco, CA, 2001.
9. Tamurian R, **Spencer EE**, Wojtys E. The role of arthroscopic synovectomy in the management of hemarthrosis in hemophilia patients: Financial perspectives. Presented at the Annual Arthroscopy Association of North America Meeting in Seattle, WA, April 2001.
10. Tamurian R, **Spencer EE**, Wojtys E. The role of arthroscopic synovectomy in the management of hemarthrosis in hemophilia patients: Financial perspectives. Presented at the Michigan Orthopaedic Society Annual Meeting in Macinac Island, MI, June 2000.
11. **Spencer EE**, Valdevit A, Kambic H, Brems JJ, Iannotti JP. The effect of humeral component anteversion on shoulder stability with glenoid component retroversion. Presented at the 21st Annual Mid-America Meeting in Hilton Head, SC, April 2003.
12. **Spencer EE**, Valdevit A, Kambic H, Brems JJ, Iannotti JP. The effect of humeral component anteversion on shoulder stability with glenoid component retroversion. Presented at American Academy of Orthopaedic Surgeons meeting in San Francisco, CA 2003.

13. **Spencer EE**, Valdevit A, Kambic H, Brems JJ, Iannotti JP. The effect of humeral component anteversion on shoulder stability with glenoid component retroversion. Presented at International Congress of Shoulder Surgery in Washington, DC 2003.
14. Iannotti JP, **Spencer EE**. Glenohumeral arthrodesis for failed prosthetic arthroplasty with severe bone, rotator cuff and deltoid deficiency. Presented at the 19th Annual Open Meeting for the American Shoulder and Elbow Surgeons in New Orleans, LO, February 2003.
15. Iannotti JP, **Spencer EE**. Glenohumeral arthrodesis for failed prosthetic arthroplasty with severe bone, rotator cuff and deltoid deficiency. Presented at the 70th Annual American Academy of Orthopaedic Surgeons Meeting in New Orleans, LO, February 2003.
16. Kline M, **Spencer EE**, Iannotti JP, Recht M. Glenoid labral tear: Understanding appearances on MR images through the use of computer generated images. Presented at the Annual Radiology Society of North America Meeting 2003.
17. **Spencer EE**, Kuhn JE, Huston LJ, Hughes RE. Biomechanical analysis of reconstructions for sternoclavicular instability. Presented at the 19th Annual Meeting of the American Shoulder and Elbow Surgeons in Pebble Beach, CA, November 2002.
18. **Spencer EE**, Kuhn JE, Huston LJ, Hughes RE. Biomechanical analysis of reconstructions for sternoclavicular instability. Presented at the 21st Annual Mid-America Meeting in Hilton Head, SC, April 2003.
19. Tisdale A, Morgan M, **Spencer EE**. Distal biceps tendon repair: Is physical therapy necessary?. Presented at the annual 2006 Mid America Orthopaedic Association meeting in San Antonio, TX in April 2006.
20. Kuhn JE, Dunn WR, Ma B, Wright RW, Jones G, **Spencer EE**, Wolf B, Safran M, Spindler KP, McCarty E, Kelly B, Holloway B. Interobserver agreement in the classification of rotator cuff tears. Presented at the AAOS Shoulder and Elbow Specialty Day on 2/17/07.
21. **Spencer EE**, Dunn WR, Wright RW, Wolf BR, Spindler KP, McCarty EC, Ma CB, Jones G, Safran M, Kuhn JE. Interobserver agreement in the classification of rotator cuff tears using magnetic resonance imaging. Presented at the 25th Annual Mid-America meeting April 2007.
22. **Spencer EE**. Partial Thickness Rotator Cuff Tears. Presented at the 4th Annual Vanderbilt Shoulder Symposium Nov 9th 2007 and ACCESS meeting and at the 2009 Phoenix Group.
23. Wolf BR, Vasconcellos D, Britton C, Jones GL, Ma CB, Marx RG, Kuhn JE, **Spencer EE**, McCarty EC, Vidal A, Wright RW. Inter- and Intra-observer Agreement in

Classification and Treatment of the Superior Labrum. American Orthopaedic Society for Sports Medicine, July 2009 (Poster)

24. Miller TL, Jones GL, Kuhn JE, Abboud JA, Allen C, Baumgarten KM, Brophy RH, Bishop JY, Carey JL, Cox CL, Dunn WR, Holloway BG, Ma CB, Marx RG, McCarty EC, Miller BS, Poddar SK, Smith MV, **Spencer EE**, Wolf BR, Vidal AF, Wright RW, “Arthroscopic Evaluation and Treatment of Biceps Brachil Long Head Tendon Injuries: A Survey of the MOON Shoulder Group” The American Orthopaedic Society for Sports Medicine. Providence, RI July 17, 2010(Podium)
25. Kuhn JE, An AQ, Baumgarten KM, Bishop JY, Brophy RH, Carey JL, Dunn WR, Holloway BG, Jones GL, Ma CB, Marx RG, McCarty EC, Poddar SK, Smith MV, **Spencer EE**, Vidal AF, Wolf BR, Wright RW. “Effectiveness of Physical Therapy in Treating Atraumatic Full Thickness Rotator Cuff Tears. A Multi-Center Prospective Cohort Study” The American Shoulder and Elbow Surgeons closed meeting. Scottsdale, AZ October 22, 2010 (Podium).
26. Kuhn JE, An AQ, Baumgarten KM, Bishop JY, Brophy RH, Carey JL, Dunn WR, Holloway BG, Jones GL, Ma CB, Marx RG, McCarty EC, Poddar SK, Smith MV, **Spencer EE**, Vidal AF, Wolf BR, Wright RW. “Effectiveness of Physical Therapy in Treating Atraumatic Full Thickness Rotator Cuff Tears. A Multi-Center Prospective Cohort Study” American Academy of Orthopaedic Surgeons Annual Meeting. San Diego, CA. February 15-18, 2011 (Poster)
27. Meccia B, **Spencer EE**, Zingde S, Leszko F, Komistek R, Mahfouz M. Real-time mechanics of native and total shoulder arthroplasties. E presentation at ASES 2011 meeting.
28. Dunn WR, An AQ, Khazzam MS, Baumgarten KM, Bishop JY, Brophy RH, Carey JL, Holloway BG, Jones GL, Kuhn JE, Ma CB, Marx RG, McCarty EC, Poddar SK, Smith MV, **Spencer EE**, Vidal AF, Wolf BR, Wright RW. “Symptoms of Pain Do Not Correlate with Rotator Cuff Tear Severity” American Academy of Orthopaedic Surgeons Annual Meeting. San Diego, CA. February 16, 2011 (Podium)
29. Jones GL, Harris JD, Pedroza A, Baumgarten KM, Bishop JY, Brophy RH, Carey JL, Dunn WR, Holloway BG, Kuhn JE, Ma CB, Marx RG, McCarty EC, Poddar SK, Smith MV, **Spencer EE**, Vidal AF, Wolf BR, Wright RW. “Predictors of Pain and Function in Symptomatic, Atraumatic Full-Thickness Rotator Cuff Tears” American Academy of Orthopaedic Surgeons Annual Meeting. San Diego, CA. February 18, 2011 (Podium)
30. Kuhn JE, An AQ, Baumgarten KM, Bishop JY, Brophy RH, Carey JL, Dunn WR, Holloway BG, Jones GL, Ma CB, Marx RG, McCarty EC, Poddar SK, Smith MV, **Spencer EE**, Vidal AF, Wolf BR, Wright RW. “Effectiveness of Physical Therapy in Treating Atraumatic Full Thickness Rotator Cuff Tears. A Multi-Center Prospective Cohort Study” The American Shoulder and Elbow Surgeons open meeting. San Diego, CA. February 18, 2011 (Podium Presentation and 2010 Charles S. Neer Award)

31. Jones GL, Harris JD, Pedroza A, Baumgarten KM, Bishop, JY Brophy, RH Carey JL, Dunn WR, Holloway BG, Kuhn JE, Ma CB, Marx RG, McCarty EC, Poddar SK, Smith MV, **Spencer EE**, Vidal AF, Wolf BR, Wright RW. “Predictors of Pain and Function in Symptomatic, Atraumatic Full-Thickness Rotator Cuff Tears” Mid-American Orthopaedic Association Annual Meeting. Tucson, AZ April 11, 2011 (Podium)
32. Jones GL, Harris JD, Pedroza A, Abboud JA, Allen C, Baumgarten KM, Bishop JY, Brophy RH, Carey JL, Cox CL, Dunn WR, Holloway BG, Kuhn JE, Ma CB, Marx RG, McCarty, EC, Miller BS, Poddar SK, Smith MV, **Spencer EE**, Vidal AF, Wolf BR, Wright RW. “Arthroscopic Evaluation And Treatment Of Biceps Brachii Long Head Tendon Injuries: A Survey Of The MOON Shoulder Group” International Society of Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine Rio De Janeiro, Brazil May 15, 2011 (Poster)
33. Jones GL, Harris JD, Pedroza A, Baumgarten KM, Bishop JY, Brophy RH, Carey JL, Dunn WR, Holloway BG, Kuhn JE, Ma CB, Marx RG, McCarty EC, Poddar SK, Smith MV, **Spencer EE**, Vidal AF, Wolf BR, Wright RW. “Predictors of Pain and Function in Symptomatic, Atraumatic Full-Thickness Rotator Cuff Tears” International Society of Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine. Rio De Janeiro, Brazil May 15, 2011 (Podium)
34. Kuhn, JE, An AQ, Baumgarten KM, Bishop JY, Brophy RH, Carey JL, Dunn WR, Holloway BG, Jones GL, Ma CB, Marx RG, McCarty EC, Poddar SK, Smith MV, **Spencer EE**, Vidal AF, Wolf BR, Wright RW. “Effectiveness of Physical Therapy in Treating Atraumatic Full Thickness Rotator Cuff Tears. A Multi-Center Prospective Cohort Study” Annual Meeting of The American Orthopaedic Association, June 22-25, 2011, in Boston, MA (Special Emphasis Poster and Scientific Poster)
35. Bishop JY, Baumgarten KM, Brophy RH, Carey JL, Dunn WR, Holloway BG, Jones GL, Kuhn JE, Ma CB, Marx RG, McCarty EC, Poddar SK, Smith MV, **Spencer EE**, Vidal AF, Wolf BR, Wright RW “Factors Predictive of Emotional Health in Patients with Full Thickness Rotator Cuff Tears” Annual Meeting of The American Orthopaedic Association, June 22-25, 2011, in Boston, MA (Scientific Poster)
36. 15. Kuhn JE, Dunn WR, Unruh KP, Sanders RA, An AQ, Baumgarten KM, Bishop JY, Brophy RH, Carey JL, Holloway BG, Jones GL, Ma CB, Marx RG, McCarty EC, Poddar SK, Smith MV, **Spencer EE**, Vidal AF, Wolf BR, Wright RW. “Relationship between Duration of Rotator Cuff Tear Symptoms and Patient Presentation Features” American Shoulder and Elbow Surgeons Closed Meeting, White Sulphur Springs, WV, October 12-15, 2011 (E-poster #28)
37. Unruh, KP, Dunn WR, Kuhn JE, Sanders RA, An AQ, Baumgarten KM, Bishop JY, Brophy RH, JL Carey, Holloway BG, Jones GL, Ma CB, Marx RG, McCarty EC, Poddar SK, Smith MV, **Spencer EE**, Vidal AF, Wolf BR, Wright RW “Relationship between Duration of Rotator Cuff Tear Symptoms and Patient Presentation Features”

American Academy of Orthopaedic Surgeons Annual Meeting, ASES Specialty Day, San Francisco, CA. February 11, 2012 (Podium)

38. Bishop JY, Baumgarten KM, Brophy RH, Carey JL, Dunn WR, Holloway BG, Jones GL, Kuhn JE, Ma CB, Marx RG, McCarty EC, Poddar SK, Smith MV, **Spencer EE**, Vidal AF, Wolf BR, Wright RW “Factors Predictive of Emotional Health in Patients with Full Thickness Rotator Cuff Tears” American Academy of Orthopaedic Surgeons Annual Meeting. San Francisco, CA. February 7-11, 2012 (Scientific Poster)

39. Dunn WR, An AQ, Baumgarten KM, Bishop JY, Brophy RH, Carey JL, Holloway BG, Jones GL, Kuhn JE, Ma CB, Marx RG, McCarty EC, Poddar SK, Smith MV, **Spencer EE**, Vidal AF, Wolf BR, Wright RW "Predictors of Success of Nonoperative Treatment for Full-thickness Rotator Cuff Tears: A Multicenter Cohort Study" 15th ESSKA Congress Geneva 2012, May 2-5, 2012 (Scientific Poster)

40. Dunn WR, Baumgarten KM, Bishop JY, Brophy RH, Carey JL, Holloway BG, Jones GL, Kuhn JE, Ma CB, Marx RG, McCarty EC, Poddar SK, Smith MV, **Spencer EE**, Vidal AF, Wolf BR, Wright RW “Predictors Of Success Of Nonoperative Treatment For Full-Thickness Rotator Cuff Tears: A Multicenter Cohort Study” American Shoulder and Elbow Surgeons 2012 Closed Meeting in Sea Island, GA, October 12, 2012

41. Dunn WR, Baumgarten KM, Bishop JY, Brophy RH, Carey JL, Holloway BG, Jones GL, Kuhn JE, Ma CB, Marx RG, McCarty EC, Poddar SK, Smith MV, **Spencer EE**, Vidal AF, Wolf BR, Wright RW “Predictors Of Success Of Nonoperative Treatment For Full-Thickness Rotator Cuff Tears: A Multicenter Cohort Study” American Shoulder and Elbow Surgeons 2012 Charles E. Neer Award, AAOS, Chicago, IL, March 23, 2013 (podium)

42. Kuhn JE, Dunn WR, Qi An A, Baumgarten KM, Bishop JY, Brophy RH, Carey JL, Holloway BG, Jones GL, Ma CB, Marx RG, McCarty EC, Poddar SK, Smith MV, **Spencer EE**, Vidal AF, Wolf BR, Wright RW “Defining Indications for Rotator Cuff Repair: Predictors of Failure of Nonoperative Treatment of Chronic, Symptomatic, Full-Thickness Rotator Cuff Tears”. International Congress of Shoulder and Elbow Surgeons, April 11th, 2013, Best Paper Award

43. Kuhn JE, Dunn WR, Qi An A, Baumgarten KM, Bishop JY, Brophy RH, Carey JL, Holloway BG, Jones GL, Ma CB, Marx RG, McCarty EC, Poddar SK, Smith MV, **Spencer EE**, Vidal AF, Wolf BR, Wright RW “Relationship Between Duration of Rotator Cuff Tear Symptoms and Patient Presentation Features” International Congress of Shoulder and Elbow Surgeons, April 10-12th, 2013 (poster)

COMMITTEE AND ADMINISTRATIVE SERVICE

National

2006 Program Director. "What is new in shoulder surgery" Shoulder Symposium held at the Annual Mid-America Meeting in San Antonio, TX on April 22, 2006.

Community Service

1994-1996 Assistant Scoutmaster in Durham, NC
2001- Member of Executive Board for the Great Smoky Mountain Council for the Boy Scouts of America, Knoxville, TN.
2001- Member of Sevier Heights Baptist Church, Knoxville, TN
2010-2012 Assistant Den Leader Pack 141

BIBLIOGRAPHY

Completed Publications in Scientific Journals

Peer Reviewed Publications

1. **Spencer EE**, Chissell HR, Spang JT, Feagin JA. Behavior of sutures used in anterior cruciate ligament reconstructive surgery. *Knee Surg, Sports Traumatol, Arthrosc* 1996; 4(2): 84-88.
2. King JC, **Spencer EE**. Lateral ligamentous instability: Techniques of repair and reconstruction. *Techniques in Orthopaedics* 2000; 8: 93-104.
3. **Spencer EE**, Bierman JS, Femino, JA. Osteoid osteoma of the fifth metatarsal: A case report and literature review. *Foot and Ankle Surgery* 2002; 8: 71-78.
4. **Spencer EE**, Kuhn JE, Huston LJ, Carpenter JE, Hughes RE. Ligamentous restraints to anterior and posterior translation of the sternoclavicular joint. *Journal of Shoulder and Elbow Surgery* 2002; 11: 43-47.
5. Tamurian R, **Spencer EE**, Wojtys E. The role of arthroscopic synovectomy in the management of hemarthrosis in hemophilia patients: Financial perspectives. *Arthroscopy* 2002; 18(7): 789-94.
6. **Spencer EE**, Iannotti JP. Commentary regarding the addition of epinephrine to irrigation fluid during arthroscopic shoulder surgery reduced bleeding and increased visualization. *J Bone Joint Surg* 2002 May;84-A (5): 885
7. **Spencer EE**, King JC. A simple technique for coronoid fixation. *Techniques in Shoulder and Elbow Surgery* 2003; 4(1): 1-3.
8. **Spencer EE**, Kuhn JE. Biomechanical Analysis of reconstructions for sternoclavicular joint instability. *J Bone Joint Surg Am.* 2004 Jan; 86-A (1): 98-105.

9. Derwin K, Androjna C, **Spencer EE**, Safran O, Bauer TW, Hunt T, Caplan A, Iannotti JP. Porcine small intestine submucosa as a flexor tendon graft. *CORR* 2004; 423: 245-252.
10. **Spencer EE**, Valdevit A, Kambic H, Brems JJ, Iannotti JP. The effect of humeral component anteversion on shoulder stability with glenoid component retroversion. *J Bone Joint Surg Am.* 2005 April; 87A (4): 808-814.
11. **Spencer EE**, Brems JJ. A simple technique for management of locked posterior shoulder dislocations: Report of two cases. *J Shoulder Elbow Surg* 2005; 14(6): 650-652.
12. Iannotti JP, **Spencer EE**, Winter U, Deffenbaugh D, Williams G. Prosthetic positioning in total shoulder arthroplasty. *J Shoulder Elbow Surg* 2005; 14: 111S-121S.
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Non-Peer Reviewed Publications and Invited Manuscripts

1. **Spencer EE**. Spencer's salt brine shrimp. *Saltwater Flyfisherman*. April-May 1999.

Multimedia-Educational Videos-Physician Education Material

1. **Spencer EE**. Tendon Transfers for the Irreparable Rotator Cuff Tear. Presented at the Biannual University of Michigan Shoulder Symposium, September 2002. Available and published by Audio Digest Orthopaedics Vol. 26, Issue 3, March 2004.

2. **Spencer EE.** Open exposures of the elbow. In *Shoulder and Elbow: Surgical Techniques and Management* ed William N Levine. Available for sale by the American Academy of Orthopaedic Surgeons “Standing Room Only”
3. **Spencer EE.** Simple elbow dislocations. In *Shoulder and Elbow: Surgical Techniques and management* ed William N Levine. Available for sale by the Academy of Orthopaedic Surgeons “Standing Room Only”

Chapters in Books

1. Jebson PJJ, **Spencer EE.** Arthrodesis and arthroplasty of the hand and wrist. In: Jebson PJJ and Kasden MI., editors. *Hand Secrets*. 2nd ed. Philadelphia: Hanley & Belfus Inc;2002: 175-188.
2. **Spencer EE,** Wirth MA, Rockwood CA. Disorders of the sternoclavicular joint: pathophysiology, diagnosis and management. In: Iannotti, JP and Williams GR editors. *Disorders of the Shoulder: Diagnosis and Management*. 2nd. Philadelphia: Lippincott Williams and Wilkins.
3. Rappe, M, **Spencer EE.** Acute elbow injuries: Fractures and dislocations. In: Kibler, B and Kuhn JE. *OKU Sports Medicine 2008*.
4. Ivy RE, **Spencer EE.** Distal biceps tendon disruptions acute and delayed reconstruction one and two incision techniques. In *Operative Techniques in Orthopaedic Surgery* ed Hunt T. 2009
5. **Spencer EE,** Stanley R, Edwards TB. Evaluation and Clinical Decision-Making in Failed or Complex Instability. In *Disorders of the Shoulder*. Third ed Iannotti and Williams. Lippincott, Williams & Wilkins 2014. Pp160-178.
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PATENTS

US 8,545,539 B2
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RESEARCH INTERESTS/ RESEARCH IN PROGRESS

Outcomes Research in the Shoulder

Spencer EE. MOON ARC study. Prospective randomized multicenter evaluation of operative a non-operative treatment of rotator cuff tears. Includes 12 centers and based out of Vanderbilt.

Spencer EE. Retrospective evaluation of operative treatment of proximal humeral fractures with a novel expandable humeral cage.

Spencer EE. Retrospective evaluation of ultrasound guided PRP injection for the treatment of intrasubstance partial thickness rotator cuff tears.

Matsen, R, Spencer EE et al. Retrospective evaluation of bone in growth all polyethelene glenoids. Multi-center international study submitted for publication.