EMORY UNIVERSITY SCHOOL OF MEDICINE
STANDARD CURRICULUM VITAE

Revised: October 27, 2026

1. **Name:** Spero. G. Karas, MD, FAAOS, CAQ

2. **Office Address:**

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3. **E-mail Address:** skaras@emory.edu

4. **Current Titles and Affiliations:**
   a. **Academic Appointments:**
      1. **Primary Appointments:**
         EMORY UNIVERSITY, Atlanta, GA
         Associate Professor of Orthopedics, September 1, 2009- present
         Assistant Professor of Orthopedics, February 1, 2005- August 31, 2009
         Director, Orthopedic Sports Medicine Fellowship Program 2006-present

   b. **Other Administrative Appointments:**
      1. Director, Orthopedic Sports Medicine Fellowship Program 2006-present
      2. Head Team Physician, Atlanta Falcons, 2011-2019
      3. Team Orthopedic Surgeon, Atlanta Braves 2016-2019

5. **Previous Academic and Professional Appointments:**
   a. Assistant Professor, UNC Department of Orthopedic Surgery September 1, 2000- January 31, 2005

6. **Previous Administrative and/or Clinical Appointments:**
   a. Adjunct Assistant Professor, Department of Exercise and Sports Science July 1, 2004-2005
   b. Chief, UNC Shoulder and Elbow Service 2002-2004
   c. Team Physician, UNC Tar Heel Athletics 2003-2004
   d. Director, Orthopedic Sports Medicine Fellowship 2001-2004
   e. Upper Extremity Consultant, UNC Tar Heel Athletics 2000-2004

7. **Licensures:**
   a. Georgia Board of Medical Examiners (Active), 2004

8. **Boards and Specialty Boards:**
   a. American Board of Orthopedic Surgery, 2002
   b. American Board of Orthopedic Surgery Sub Specialty Certification in Orthopedic Sports Medicine, 2008

9. **Education:**

a. B.A., Pre-Professional Studies and Psychology, University of Notre Dame, Notre Dame, Indiana, 1985–1989
b. M.D., Indiana University School of Medicine, Indianapolis, Indiana, 1989–1993

10. **Postgraduate Training:**
    a. General Surgery Internship and Junior Assistant Resident, Duke University Medical Center, Durham, North Carolina, June 1993–June 1995
    b. Orthopedic Surgery Residency, Duke University Medical Center, July 1995–June 1999
    c. Sports Medicine, Shoulder, Knee, and Elbow Fellowship, Steadman-Hawkins Clinic, Vail, Colorado, July 1999–July 2000

11. **Continuing Professional Development Activities:**
    a. American Orthopedic Association Emerging Leaders Program, 2005-2006
    b. American Orthopaedic Society for Sports Medicine Pacific Rim Traveling Fellowship, July 19–August 12, 2005

12. **Society Memberships:**
    a. American Shoulder and Elbow Surgeons 2006-present
        1. Associate Member 2006-2009
        2. Active Member 2009-present
        3. Neer Circle 2026-present
    b. NFL Physicians Society 2011-2019
    c. American Academy of Orthopedic Surgeons 2000-present
    d. American Orthopedic Society for Sports Medicine 2000-present
        1. AOSSM Travelling Fellowship Magellan Society 2006-present
    e. Arthroscopy Association of North America 2000-present
    f. Diplomat of the American Board of Orthopedic Surgery 2002-present
    g. Georgia Shoulder and Elbow Society 2006-present
    h. Hawkins Shoulder Society 2000-present
    i. Piedmont Orthopedic Society 1999-present
    j. North Carolina Orthopedic Association 2000-2004
    k. North Carolina Shoulder Club 2000-2004
    l. Notre Dame Orthopedic Society 2002-present

13. **Committee Memberships:**
    a. **National and International:**

        1. American Shoulder and Elbow Surgeons Membership Committee Co-chair 2026-present
        2. American Shoulder and Elbow Surgeons Membership Committee 2024-present
        3. American Shoulder and Elbow Surgeons Fellowship Exchange Committee 2012-2016
        4. AAOS Annual Meeting Organizing Committee- Shoulder and Elbow Section. 2009-2013 Annual Meetings
        5. AAOS Multimedia Education Center Subcommittee 2006-2008
        6. Arthroscopy Association of North America Membership Committee 2005-2007

b. **Regional:**
   1. Southern Orthopedic Association Board of Trustees 2010-2012
   2. Eastern Orthopedic Association Georgia State Representative 2010-2012
   3. American Orthopedic Society for Sports Medicine Georgia State Delegate. Term 2010-2011.

c. **Institutional:**
   1. Sports Medicine Outreach Committee 2020-present

14. **Peer Review Activities:**
   a. **Manuscripts:**

      1. Ad Hoc Reviewer, Journal of Shoulder and Elbow Surgery, 2007-present
      2. Ad Hoc Reviewer, American Journal of Sports Medicine, 2002-present

   b. **Conference Abstracts:**
      1. **National and International:**
         i. Abstract Reviewer- American Orthopedic Society for Sports Medicine Annual Meeting and AAOS Specialty Day, 2001-2005
         ii. AAOS Multimedia Education Center Submission Review Subcommittee, 2006–2008
         iii. AAOS Annual Meeting Organizing Committee – Shoulder and Elbow Section, 2009–2013 Annual Meetings

15. **Editorships and Editorial Boards:**
      1. Assistant Editor, Journal of Shoulder and Elbow Surgery, 2007-2009

16. **Consultantships/Advisory Boards:**
   a. Consultant/Orthopedic Knowledge Leader, Smith and Nephew Orthopedics, 2017-present
   b. Consultant/Orthopedic Knowledge Leader, Encore/DJO Orthopedics, 2006-2012

17. **Organization of Conferences:**
   a. **National and International:**
      1. **Sessions as Chair:**
         i. “Reverse Shoulder Arthroplasty.” H & H Medical (Encore Medical) Surgical Skills Course. Silverado Hotel, Napa, CA; January 28, 2006. (Chair)
         ii. “The Athlete’s Shoulder.” Emory Healthcare Sports Medicine Center Continuing Medical Education Program. Atlanta Courtyard Marriott Hotel, Atlanta, GA; March 3, 2006. (Chair, planning committee)
         iii. “Contemporary Concepts in Shoulder Arthroplasty.” Atlanta, GA; May 6, 2008 (Chair, planning committee)
         iv. “Southeastern Sports Medicine Symposium.” Emory University Hotel and Conference Center, Atlanta, GA; August 1–2, 2008. (Chair, planning committee)
         v. “Emory Sports Medicine Symposium: An Interactive Approach.” Buckhead Grand Hyatt Hotel, Atlanta, GA; March 20–21, 2009. (Chair, planning committee)
         vi. Hawkins Shoulder Society Annual Meeting. Hilton Head, SC; May 13–16, 2009. (Chair, planning committee)
         vii. “Emory Sports Medicine Symposium: An Interactive Approach.” The Omni Hotel and Convention Center, Atlanta, GA; March 5–6, 2010. (Chair, planning committee)
         viii. Combined Emory Sports Medicine and Southeast Athletic Trainers Association Annual Meeting. Grand Hyatt Buckhead, Atlanta, GA; March 11–13, 2011. (Chair, planning

committee)

ix. Combined Emory Sports Medicine and Southeast Athletic Trainers Association Annual Meeting. Renaissance Waverly Hotel, Atlanta, GA; March 16–18, 2012. (Chair, planning committee)

x. Combined Emory Sports Medicine and Southeast Athletic Trainers Association Annual Meeting. Crown Plaza Hotel, Atlanta, GA; March 8–10, 2013. (Chair, planning committee)

xi. Emory Sports Medicine Annual Symposium. Westin Atlanta Perimeter North, Atlanta, GA; March 28–29, 2014. (Chair, planning committee)

xii. Emory Sports Medicine Annual Symposium. Marriott Buckhead Hotel, Atlanta, GA; March 20–21, 2015. (Chair, planning committee)

xiii. Emory Sports Medicine Annual Symposium. Emory John's Creek Hospital, John's Creek, GA; April 22–23, 2016. (Chair, planning committee)

xiv. Emory Sports Medicine Annual Symposium. Emory University Health Sciences Center, Atlanta, GA; April 25–26, 2017. (Chair, planning committee)

xv. Emory Sports Medicine Annual Symposium. Emory University Health Sciences Center, Atlanta, GA; March 24–25, 2018. (Chair, planning committee)

xvi. Emory Sports Medicine Annual Symposium. Emory University Health Sciences Center, Atlanta, GA; March 23–24, 2019. (Chair, planning committee)

xvii. Emory Sports Medicine Annual Symposium. Emory University Health Sciences Center, Atlanta, GA; 2020–2022 (Virtual meeting). (Chair, planning committee)

xxii. Emory Sports Medicine 16th Annual Symposium. McCamish Pavilion, Georgia Institute of Technology, Atlanta, GA; June 10–11, 2023. (Chair, planning committee)

2. **Other Conference Activities:**

i. Moderator, foot and ankle section of the American Orthopedic Association Annual Residents Meeting. Chapel Hill, NC. Spring, 1999.

ii. Moderator- Shoulder Scientific Session. American Orthopedic Society for Sports Medicine Annual Meeting, San Diego, CA. July, 2003.

iii. Moderator- Elbow Scientific Session. American Orthopedic Society for Sports Medicine Specialty Day; New Orleans, LA. February 8, 2003.

iv. Moderator-"Elbow Scientific Session and Case-Based Reports". American Orthopedic Society for Sports Medicine Annual Meeting. Keystone, CO; July 11, 2009.

v. Moderator- Rotator Cuff I. American Academy of Orthopedic Surgeons Annual Meeting. New Orleans, LA; March 11, 2010.

vi. Moderator- "SLAPs and the Biceps Tendon- Let's Clear it Up". Orthopedic Surgery Emerging Technologies Annual Course, Las Vegas, NV. December 11, 2019.

vii. Moderator- "Shoulder Case Presentations- Return to Play". Orthopedic Surgery Emerging Technologies Annual Course, Las Vegas, NV. December 12, 2019.

viii. Moderator- "Shoulder Case Presentations- Potpurri". Orthopedic Surgery Emerging Technologies Annual Course, Las Vegas, NV. December 12, 2019.

ix. Moderator- "Management of AC Joint Injuries". Orthopedic Surgery Emerging Technologies Annual Course, Las Vegas, NV. December 14, 2021.

x. Moderator- "Failed Rotator Cuff Repair". Orthopedic Surgery Emerging Technologies Annual Course, Las Vegas, NV. December 12, 2021.

xi. Moderator- "Management of Chronic Rotator Cuff Tear". Orthopedic Surgery Emerging Technologies Annual Course, Boston, MA. September 23, 2022.

xii. Moderator- "The Rotator Cuff- Let's Start at the Beginning". Orthopedic Surgery Emerging Technologies Annual Course, Boston, MA. September 21, 2023.

xiii. Panelist- "The Failed Rotator Cuff Repair". Orthopedic Surgery Emerging Technologies

Annual Course, Boston, MA. September 21, 2023.

xiv. Panelist- “Anterior Instability, Complex Cases, and the Overhead Athlete”. Orthopedic Surgery Emerging Technologies Annual Course, Boston, MA. September 21, 2023.

xv. Panelist- “Complex Shoulder Instability”. Orthopedic Surgery Emerging Technologies Annual Course, Boston, MA. September 22, 2023.

xvi. Moderator- “29 Year Old Frisbee Player with a Type II SLAP Lesion”. Orthopedic Surgery Emerging Technologies Annual Course, Boston, MA. September 22, 2023.

xvii. Moderator- “Alternatives to the Classic Total Shoulder Arthroplasty”. Orthopedic Surgery Emerging Technologies Annual Course, Las Vegas, NV. September 15, 2024.

xviii. Panelist- “Anatomic Total Shoulder Arthroplasty”. Orthopedic Surgery Emerging Technologies Annual Course, Las Vegas, NV. September 15, 2024.

b. **Regional:**

1. **Other Conference Activities:**
   i. Moderator- Shoulder and Elbow Session. North Carolina Orthopedic Association Annual Meeting, Asheville, NC. October 10, 2004.
   ii. Moderator- “Double Bundles and Double Rows: Belt and Suspenders or is Two Really Better Than One?” (Moderator) Eastern Orthopedic Association Annual Meeting. Paradise Island, Bahamas; June 18, 2009.
   iii. Moderator- Shoulder Basic Science Session, Southern Orthopedic Association Annual Meeting, Fajardo, Puerto Rico. June 18, 2010.
   iv. Panelist- “The Second ACL Injury Epidemic: A Comprehensive Review.” 15th Annual Emory Sports Medicine Symposium; May 15, 2022. (Virtual panel)
   v. Moderator- “Shoulder Rapid Fire”. Eastern Orthopedic Association Annual Meeting. Miami, FL. October 17, 2026

c. **Institutional:**

1. **Administrative Positions:**
   i. Emory University Game Day Athletic Trainers Symposium, Emory Orthopedics and Spine Center, Atlanta, GA; October 4, 2012 (Chair, planning committee)
   ii. Emory University Game Day Athletic Trainers Symposium, Emory Orthopedics and Spine Center, Atlanta, GA; September 15, 2013 (Chair, planning committee)
   iii. Emory University Game Day Athletic Trainers Symposium, Marriott Courtyard Hotel. Atlanta, GA; September 7, 2014 (Chair, planning committee)
   iv. Emory University Game Day Athletic Trainers Symposium, Emory Orthopedics and Spine Center, Atlanta, GA; October 11, 2015 (Chair, planning committee)

18. **Clinical Service Contributions:**

a. Since joining Emory University Department of Orthopedics, I have played a central role in developing and expanding the institution’s clinical expertise in shoulder and elbow surgery and orthopaedic sports medicine. When I arrived, Emory did not have a dedicated shoulder surgeon, and orthopaedic residents were required to complete away rotations to obtain specialized shoulder surgery training. I helped address this critical gap by establishing a comprehensive shoulder surgery practice and integrating advanced shoulder and elbow care into Emory’s clinical and educational programs. My clinical practice has emphasized the management of complex shoulder instability, rotator cuff pathology, acromioclavicular joint injuries, and shoulder reconstruction, providing patients with access to specialized care while creating meaningful clinical training opportunities for residents and fellows within Emory. As Director of the Emory

Orthopaedic Sports Medicine Fellowship Program since 2006, I have contributed to the development of a sustainable clinical training environment that integrates patient care, surgical education, and research. My service has also extended beyond Emory, as I was the first surgeon to bring a major professional sports franchise, the Atlanta Falcons of the National Football League, into the Emory Healthcare system, establishing a landmark relationship that significantly elevated Emory's visibility and national reputation in orthopaedic sports medicine. As Head Team Physician from 2011 to 2019, I helped strengthen Emory's position as a destination for elite athletic care while creating new opportunities for clinical excellence, interdisciplinary collaboration, and institutional growth. My commitment to exceptional patient care has been recognized through repeated inclusion among Atlanta's Top Doctors and national recognition as a leading shoulder and sports medicine specialist. Through these clinical contributions, I expanded access to subspecialty care, helped establish and strengthen Emory's shoulder surgery and sports medicine services, and enhanced the institution's clinical reputation regionally and nationally.

19. **Contributions to Fostering Excellence:**

Throughout my tenure at Emory University School of Medicine, I have fostered excellence through sustained leadership in clinical care, education, mentorship, research, and professional service. As Director of the Emory Orthopaedic Sports Medicine Fellowship Program since 2006, I have been committed to developing the next generation of orthopaedic sports medicine surgeons by promoting clinical expertise, sound surgical judgment, scholarly inquiry, and professionalism. I have mentored numerous fellows, residents, and medical students in clinical research, surgical innovation, and academic development, while helping establish a culture of continuous learning and collaboration. Through my longstanding involvement in organizing the Emory Sports Medicine Annual Symposium and other educational programs, I have promoted interdisciplinary education and the dissemination of advances in sports medicine and shoulder surgery. My commitment to clinical excellence is reflected in national recognition as a leading shoulder specialist, repeated selection among Atlanta's Top Doctors. In addition, my peer-reviewed publications, clinical research initiatives, invited national and international presentations, and service to leading orthopaedic professional societies have contributed to advancing standards of care and education. Collectively, these efforts demonstrate my commitment to fostering excellence by elevating the quality of patient care, supporting the professional growth of others, and strengthening Emory's reputation as a leader in academic orthopaedic surgery and sports medicine.

20. **Community Outreach:**

a. **Media Appearances:**
   1. "Sports Hydration". Fox 5 (WAGA). June 23, 2005
   2. "Training and Injury Avoidance for the Peachtree Road Race." Big Peach Running Store, Atlanta, GA; June 21, 2007.
   3. "Women's Shoulder Injuries". More Magazine, June 2007
   4. "Back in the Game". Emory Magazine. Spring, 2010
   5. "Opening Drive". 92.9 The Game FM broadcast February 11, 2013.
   6. "Doctor on the Field" (Cover Story). Emory Magazine. Spring, 2017.
   7. "Super Bowl Feature". WABE 90.1 FM. February, 2017
   8. "Super Bowl Feature". The Doctors' Network on Sirius/XM satellite radio. February, 2017
   9. "Super Bowl Doctors". Emory Magazine. Winter, 2019

b. **Social Media:**
   1. www.sperokaras.com

21. **Honors and Awards:**
    a. Orthopaedic Research and Education Foundation Order of Merit, 2001.
    b. AAOS Annual Meeting “Award Winner” for outstanding video production, 2001.
    c. Melvin Post Award Finalist, American Shoulder and Elbow Surgeons, 2004.
    d. Best Resident Paper, North Carolina Orthopaedic Association, 2004.
    e. AAOS Instructional Series “Best Seller” video, 2004.
    f. American Orthopaedic Association Emerging Leaders Program, 2005–2006
    g. AOSSM Pacific Rim Traveling Fellowship, 2005.
    h. Men’s Health Magazine “America’s Top Sports Medicine Specialists,” 2007.
    i. Harley and Betty Baxter Southern Orthopaedic Association Resident/Fellow Award, 2007.
    j. Skoot Dimon Award for best resident paper (corresponding author), 2007.
    k. Women’s Health Magazine “America’s Top Sports Medicine Specialists for Women,” 2008.
    l. Becker’s Ambulatory Surgery Center Review “Twenty Best Shoulder Specialists to Know,” 2009.
    m. Outstanding Patient Satisfaction Award (90th percentile nationally), 2014.
    n. Atlanta Magazine “Top Doctors” / “Atlanta’s Top Physicians,” 2007, 2009–2024.
    o. The Atlantan Magazine “Top Doctors in Atlanta,” 2022–present.

22. **Formal Teaching:**
    a. **Course Direction and Organization:**
        1. Karas SG, “Biologic Augmentation of Rotator Cuff Repairs”. AAOS/ASES Combined Shoulder Course. Orthopaedic Learning Center; Rosemont, IL; January 23, 2009.
        2. Karas SG “Dual Row Rotator Cuff Repair”. AAOS/ASES Combined Shoulder Course. Orthopaedic Learning Center; Rosemont, IL; January 22, 2009.
        3. Associate Lab Instructor. Arthroscopy Association of North America Shoulder Skills Course (808). Orthopedic Learning Center. Rosemont, IL. August 3, 2018.

    b. **Small Group and Multi-Disciplinary Teaching:**
        1. Shoulder and Sports Medicine Surgery Didactic Lectures. Audience: Orthopaedic Surgery Residents, fellows, medical students, and athletic trainers. Institution: Emory University School of Medicine. Quantity: 2–3 contact hours/year. Year(s): 2005–present

        2. Shoulder and Elbow Case-Based Radiology Conference. Audience: Orthopaedic Surgery Residents and Sports Medicine Fellows. Institution: Emory University School of Medicine. Quantity: 4 contact hours/year. Year(s): 2024-present

        3. Athletic Trainers Case-Based Conference. Audience: Athletic Trainers. Institution: Emory University School of Medicine. Quantity: 4 contact hours/year. Year(s): 2011-present

        4. Preoperative Case Conference — Surgical Indications, Planning, and Decision-Making. Audience: Orthopaedic Surgery Residents, Sports Medicine Fellows, and Athletic Trainers. Institution: Emory University School of Medicine. Quantity: 40 contact hours/year. Year(s): 2008-present.

        5. Sports Medicine Journal Club — Critical Appraisal of Current Literature. Audience: Orthopaedic Surgery Residents, Sports Medicine Fellows, and Athletic Trainers. Institution: Emory University School of Medicine. Quantity: 9 contact hours/year. Year(s): 2008- present.

23. **Supervisory Teaching:**

a. **Bedside Teaching/Clinic Precepting:**
Since 2006, I have provided continuous, hands-on clinical and surgical education to 34 orthopaedic sports medicine fellows and 147 residents of the Emory University Department of Orthopaedic Surgery. My teaching responsibilities include direct supervision and precepting in the outpatient orthopaedic clinic two days per week and in the operating room two days per week. Through these activities, I provide individualized instruction in patient evaluation, physical examination, diagnostic interpretation, clinical decision-making, surgical indications, operative planning, arthroscopic and open surgical techniques, and postoperative management. This longitudinal mentorship emphasizes progressive surgical independence, evidence-based practice, patient safety, and professional development, while providing residents and fellows with comprehensive exposure to complex shoulder and sports medicine pathology.

b. **Mentoring Activities:**

Postdoctoral or Clinical Fellows

Name	**Year(s) supervised**	**Current position and employer**
Jordan Goldstein. MD	2008-09	Surgeon, Illinois Bone and Joint Institute, Chicago
Edward R. Jackson II, MD	2009-10	Faculty, Emory Sports Medicine
Steven Brantley, MD	2010-11	Surgeon, Mercy Clinic, Oklahoma City
Spencer Romine, MD	2011-12	Surgeon, Graves Clinic, Bowling Green, KY
Blake Shockley, MD	2011-12	Surgeon, Advanced Orthopedics, Tulsa, OK
Timothy Ghattas, MD	2012-13	Surgeon, OrthoCare Georgia, Riverdale, GA
Raj Shani, MD	2012-13	Surgeon, UT Physicians, Houston, TX
Harris Slone, MD	2013-14	Faculty, MUSC, Charleston, SC
Gregory Tayrose, MD	2013-14	Surgeon, UNC Sports Medicine, Clayton, NC
Jay Naresh Shah, MD	2014-15	Surgeon, Private Practice, Anderson, SC
Danny Gillis, MD	2014-15	Department Head, Delta Hospital, Delta, BC, Canada
G. Bradley Bookatz, MD	2015-16	Surgeon, Insight Orthopedics, Chicago
Richard E. Haigler, MD	2015-16	Faculty, Baylor College of Medicine, Houston
Cory Messerschmidt, MD	2016-17	Surgeon, Beaufort Orthopedic Specialists, Port Royal, SC
Aaron R. Schwartz, MD	2016-17	Surgeon, Oregon Clinic, Portland, OR
Pramote Malasitt, MD	2017-18	Surgeon, OrthoVirginia, Lynchburg, VA
Ryan Urchek, MD	2017-18	Surgeon, Summa Health, Akron, OH
Jason Boyd, MD	2018-19	Surgeon, Crystal Clinic, Fairlawn, OH
Eric Gordon, MD	2018-19	Surgeon, Piedmont Sports Medicine, Watkinsville, GA
Will Ashford, MD	2019-20	Surgeon, Arch Orthopedics, Watkinsville, GA
S. Evan Carstensen, MD	2019-20	Surgeon, Alabama Bone and Joint, Pelham, AL
Anthony (Ace) Egger, MD	2020-21	Faculty, Cleveland Clinic, Cleveland, OH
Andrew Hayden, MD	2020-21	Surgeon, UF Health, Deltona, FL
Stephanie Logterman, MD	2021-22	Surgeon, Dell Childrens' Hospital, Austin, TX
Danny Miller, MD	2021-22	Surgeon, Orlando Health, Orlando, FL
Zachery Hill, MD	2022-23	Surgeon, Sierra Pacific Orthopedics, Fresno, CA
Bradley Young, MD	2022-23	Faculty, The Hughston Clinic, Columbus, GA
Callie Jewett, MD	2023-24	Surgeon, Orlando Orthopedic Center, Orlando, FL
Stephen Maier, MD	2023-24	Surgeon, Middlesex Health, Essex, CT
Vishal Desai, MD	2024-25	Surgeon, Illinois Bone and Joint Institute,

		Bourbonnais, IL
Eric Lee, MD	2024-25	Surgeon, DMOS Orthopedic Center, West Des Moines, IA
Richard Casey Rice, MD	2025-26	Surgeon, Kaiser Permanente, Fontana, CA
Ali Aneizi, MD	2025-26	Surgeon, Sierra Pacific Orthopedics, Fresno, CA
James Matthew Helm, MD	2026-27	Fellow, Emory Sports Medicine
Bhaviya Sheth, MD	2026-27	Fellow, Emory Sports Medicine

Residents

Name	**Year(s) supervised**	**Current position and employer**
Brett Sweitzer, MD	2006-2008	Surgeon, OrthoKagan, Ft. Myers, FL
Tim Greene, MD	2006-2008	Surgeon, Orthopaedic and Neurosurgery Specialists, Greenwich, CT
Brian Dierckman, MD	2008-2010	Surgeon, Elite Sports Medicine, Brentwood, TN
Albert Pendleton, MD	2008-2009	Surgeon, Wellstar Pediatric Orthopedics
Steve Hamilton, MD	2009-2010	Surgeon, Beacon Orthopedics, Cincinnati, OH
Kyle Hammond, MD	2010-2011	Faculty, Emory Sports Medicine
Harlan Starr, MD	2011-2012	Surgeon, Georgia Hand, Shoulder, and Elbow, Atlanta, GA
Michael Gottschalk, MD	2012-13	Chairman, Department of Orthopedics, Emory University School of Medicine
Aristotelis Kourtis, MD	2013	Surgeon, Athens Medical Group, Athens, Greece
Elise Hiza, MD	2014-2015	Faculty, University of Colorado, Boulder, CO
Dane Todd, MD	2014-2015	Surgeon, Nebraska Orthopedic Center, Lincoln, NE
Briggs Ahearn, MD	2016-2017	Surgeon, OrthoCarolina, Pineville, NC
Ian Gao, MD	2017-2018	Surgeon, Carolina Orthopaedic and Neurosurgical Associates, Spartanburg, SC
Matt Wham, MD	2019-2020	Surgeon, Southeastern Orthopedics and Spine, Asheville, NC
Tim McCarthy	2020-2021	Surgeon, Peachtree Orthopedic Clinic, Atlanta, GA
Amalie Nash, MD	2021-2023	Surgeon, Northside Hospital, Marietta, GA
Brianna Siracuse, MD	2022-2023	Surgeon, Cooper Health, Camden, NJ
Haley McKissack, MD	2022-2023	Surgeon, Atrium Health, Charlotte, NC
Henry Gass, MD	2022-2023	Surgeon, Orthopedic Associates of Southern California, Tustin, CA
Zaamin Hussain, MD	2022-2023	Faculty, University of Florida Department of Orthopedics, Gainesville, FL
John Kopriva, MD	2022-2024	Surgeon, Froedtert and Medical College of Wisconsin, Milwaukee, WI
Jason Garry, MD	2023-2025	Sports Medicine Fellow, Steadman Hawkins Clinic, Vail, CO
Bridger Rodoni MD	2024-present	Chief Resident, Emory Department of Orthopedics
Jesse Seilern, MD	2024-present	Chief Resident, Emory Department of Orthopedics

Evan Bailey, MD	2025-present	PGY-4, Emory Department of Orthopedics
David Marvin, MD	2025-present	PGY-4, Emory Department of Orthopedics

Medical Students

Name	Year(s) supervised	Current position and employer
Jay R. Desai	2006	Interventional Radiologist, Quantum Radiology, Marietta, GA
Heidi Reich	2007	Cardiothoracic Surgeon, Central California Heart and Lung Surgery, Clovis, CA
Justin Gordon	2008	San Diego Family Dermatology, San Diego, CA
Max Mondestin	2010-2011	Orthopedic Surgeon, Orthopedic Surgery Center of Palm Beach County, Boynton Beach, FL
Arun Kumar	2017-2018	Orthopedic Faculty, Penn State Health, Hershey, PA
Sage Duddleston	2020-2021	Upper Extremity Fellow, UAB, Birmingham, AL
Sameer Kawaja	2024-2025	PGY-2 University of Michigan Department of Orthopedics
Nicole Greene	2025-present	Intern, Emory University Department of Surgery

Graduate Students (includes master's and doctoral students)

Name	Year(s) supervised	Current position and employer
Jamie Birkelo	2001-2002	Physican's Assistant, UW Health, Madison, WI
Charles Thigpen	2002-2003	Chief Clinical Officer, ATI Physical Therapy, Grenville, SC
Jennifer Layton	2003-2004	Physician's Assistant, Wake Forest University School of Medicine, Winston-Salem, NC
Mike DeStefano	2003-2004	Athletic Training Faculty, University of Connecticut, Storrs, CT
Kevin Bunn	2004-2005	Orthopedic Surgeon, Minden Medical Center, Monroe, Louisiana

Allied Health Students (e.g., physician assistants, physical therapy students, etc.)

Name	Year(s) supervised	Current position and employer
Jonathan Whittington	2013	Nurse Practitioner Student, Emory University
Deep Patel	2014-2015	Physician's Assistant, Northside Hospital, Atlanta, GA

Undergraduate Students

Name	Year(s) supervised	Current position and employer
Stephanie Boden	2012	Faculty, University of Louisville Department of Orthopedic Surgery, Louisville, KY
Alexander Featherstone	2020-2023	Medical Student, Howard University,

		Washington, DC
Dan Newmyer	2023-2024	Medical Student, UGA SoM, Athens, GA
Thomas Steele	2023-2024	Medical Student, MCG, Savanna, GA

Other (e.g., Visiting Scholars, Junior Faculty)

Name	**Year(s) supervised**	**Current position and employer**
Ioannis Triantafyllopoulos, MD	2006	Head of the 5th Orthopaedic Department, Hygeia Hospital, Athens, Greece

c. **Thesis or Dissertation Committees:**

Graduate Students

Name	**Year(s)**	**Program**	**Institution**
Jamie Birkelo	2001-2002	Department of Exercise and Sports Science	University of North Carolina at Chapel Hill
Charles Thigpen	2002-2003	Department of Exercise and Sports Science	University of North Carolina at Chapel Hill
Jennifer Layton	2003-2004	Department of Exercise and Sports Science	University of North Carolina at Chapel Hill
Mike DeStefano	2003-2004	Department of Exercise and Sports Science	University of North Carolina at Chapel Hill
Kevin Bunn	2004-2005	Department of Exercise and Sports Science	University of North Carolina at Chapel Hill
Stephen Goldman	2014	Department of Biomedical Bioengineering	Georgia Institute of Technology, Atlanta, GA

Undergraduate Students

Name	**Year(s)**	**Program**	**Institution**
Helen Yu	2006-2007	Department of Biomedical Bioengineering	Georgia Institute of Technology, Atlanta, GA
Gary Trakham	2006-2007	Department of Biomedical Bioengineering	Georgia Institute of Technology, Atlanta, GA
Vasily Buharin	2006-2007	Department of Biomedical Bioengineering	Georgia Institute of Technology, Atlanta, GA

Song Seto	2011-2012	Department of Biomedical Bioengineering	Georgia Institute of Technology, Atlanta, GA

24. **Lectureships, Seminar Invitations, and Visiting Professorships:**
    a. **National and International:**
        1. Karas, SG. “Surgical Management of the Massive Rotator Cuff Tear: Repair, Reconstruction, and Arthroplasty.” Asklepion of Voula Department of Orthopaedics. Athens, Greece; November 22, 2003.
        2. Karas, SG. “Surgical Aspects of Anterior Shoulder Reconstruction.” University of Athens Department of Orthopaedics, KAT Hospital. Athens, Greece; November 23, 2003.
        3. Karas, SG. “Reverse Shoulder Arthroplasty.” University of Utah Department of Orthopaedics. Salt Lake City, UT; October 17, 2005.
        4. Karas, SG. “The Rotator Cuff Deficient Shoulder: Current Concepts.” University of Kentucky Orthopaedic Grand Rounds. Lexington, KY; February 15, 2006.
        5. Karas, SG. “Arthroscopic Management of Shoulder Instability.” University of South Alabama Department of Orthopaedics Visiting Lecture Series; March 23, 2002.
        6. Karas, SG. “Management of Large and Massive Rotator Cuff Tears.” University of South Alabama Department of Orthopedics Grand Rounds; March 24, 2002.
        7. Karas, SG; Thigpen, CA; Padua, DA. “A Three Dimensional Analysis of Shoulder Kinematics in Patients with Multidirectional Shoulder Instability.” Royal North Shore Hospital, Sydney, NSW, Australia; July 26, 2005.
        8. Karas, SG. “Orthopaedic Research ‘Three Minute Drill’.” Brisbane Orthopaedic Clinic Research Symposium, Brisbane, Queensland, Australia; July 27, 2005.
        9. Karas, SG; Birkelo, JR; Padua, DA; Guskiewicz, KM. “Prolonged Overhead Throwing Alters Scapular Kinematics and Scapular Muscle Strength.” Brisbane Orthopaedics Grand Rounds, Brisbane, Queensland, Australia; July 30, 2005.
        10. Karas, SG. “Current Concepts in the Arthroscopic Management of Shoulder Instability.” University of Otago Medical School Grand Rounds, Christchurch, Canterbury, New Zealand; August 3, 2005.
        11. Karas, SG. “Surgical Management of Large and Massive Rotator Cuff Tears: Arthroscopy to Arthroplasty.” Citywide Orthopaedic Grand Rounds, Auckland, New Zealand; August 4, 2005.
        12. Karas, SG. “Arthroscopic Management of Shoulder Instability.” Philippine Orthopaedic Society for Sports Medicine Traveling Fellows Symposium, Manila, Philippines; August 10, 2005.
        13. Karas, SG. “Surgical Management of Large and Massive Rotator Cuff Tears: Arthroscopy to Arthroplasty.” Philippines University Hospital Orthopaedic Grand Rounds, Manila, Philippines; August 11, 2005.
        14. Karas, SG. “Arthroscopic Management of Shoulder Instability.” University of Western Ontario Department of Orthopaedics. London, Ontario; July 24, 2009.
        15. Karas, SG. “Management of Large and Massive Rotator Cuff Tears.” Vail Valley Medical Center/Steadman Hawkins Clinic Orthopaedic Grand Rounds. Vail, CO; April 5, 2010.
        16. Karas, SG. “Management Options for Irreparable Rotator Cuff Tears.” 39th Annual Raney Lectureship, University of North Carolina Department of Orthopaedics. Chapel Hill, NC; May 22, 2010.
        17. Karas, SG. Presidential Keynote Speaker: “Treatment Options for the Irreparable Rotator Cuff Tear.” North Carolina Orthopaedic Association Annual Meeting, Asheville, NC; October 9, 2010.
        18. Karas SG. “Open and Arthroscopic Management of Shoulder Instability”. Harvard Combined

Program Orthopedic Grand Rounds. Boston, MA; September 22, 2022.

19. Karas SG. To Be Determined. Georgetown University Department of Orthopedics Grand Rounds. February 4, 2027

25. **Invitations to National/International, Regional, and Institutional Conferences:**

a. **National and International:**

1. Karas, SG. “Relevant Anatomy of the Rotator Cuff Interval.” American Orthopaedic Society for Sports Medicine Annual Meeting, San Diego, CA; July 23, 2003.
2. Karas, SG. “Management of Chronic Tendinopathy: The Role of Surgical Intervention.” ArthroCare Lecture Series, Dallas, TX; August 7, 2003.
3. Karas, SG. “Management of Chronic Tendinopathy: The Role of Surgical Intervention.” ArthroCare Lecture Series, Denver, CO; August 21, 2003.
4. Karas, SG. “Rotator Interval Closure: Indications and Techniques.” International Symposium in Athletic Injuries: Prevention and Treatment, Larissa, Greece; November 29, 2003.
5. Karas, SG. “The Role of Thermal Capsulorrhaphy in Multidirectional Instability.” International Symposium in Athletic Injuries: Prevention and Treatment, Larissa, Greece; November 29, 2003.
6. Karas, SG. “Glenoid Bone Impingement as a Cause of Glenosphere Dissociation in Reverse Shoulder Arthroplasty—A Case Report.” Encore Orthopaedics Reverse Shoulder Prosthesis Study Group, Tampa, FL; January 14, 2004.
7. Karas, SG. “Management of Chronic Tendinopathy: The Role of Surgical Intervention.” ArthroCare Lecture Series, Fort Myers, FL; April 1, 2004
8. Karas, SG. “Meeting Today’s Challenges in a Sports Medicine Practice.” American Orthopaedic Society for Sports Medicine Young Sports Medicine Specialist’s Workshop, Quebec City, Canada; June 24, 2004.
9. Karas, SG. “Reverse Shoulder Prosthetic Replacement: Indications, Technique, and Early Outcomes.” Interurban Orthopaedic Society Annual Meeting, Chapel Hill, NC; October 1, 2004.
10. Karas, SG. “Reverse Shoulder Arthroplasty.” Total Joint Arthroplasty Symposium, Bachelor Gulch, CO; January 6, 2005.
11. Karas, SG. “Reverse Shoulder Arthroplasty: Indications, Technique, and Outcomes.” Encore Medical Total Joint Arthroplasty Symposium, Amelia Island, FL; June 3, 2005.
12. Karas, SG. “Technical Issues in Avoiding Complications During Reverse Shoulder Arthroplasty.” Orthopaedic Learning Center, Rosemont, IL; June 28, 2005.
13. Karas, SG. “Reverse Shoulder Arthroplasty for the Management of Rotator Cuff Arthropathy.” Healthstream Total Joint Arthroplasty Symposium, Laguna Niguel, CA; October 1, 2005.
14. Karas, SG. “Technical Issues in Avoiding Complications During Reverse Shoulder Arthroplasty.” Orthopaedic Learning Center, Rosemont, IL; October 24, 2005.
15. Karas, SG. “Technical Issues in Avoiding Complications During Reverse Shoulder Arthroplasty.” Orthopaedic Learning Center, Rosemont, IL; December 9, 2005.
16. Karas, SG. “Complications and Complex Issues in Reverse Shoulder Arthroplasty.” Encore Total Joint Arthroplasty Symposium, Bachelor Gulch, CO; January 6, 2006.
17. Karas, SG. “New Frontiers in the Management of Chronic Tendinopathy.” Nashville, TN; January 23, 2006.
18. Karas, SG. “Reverse Total Shoulder Arthroplasty.” Encore Medical Western Region Training Symposium, Napa, CA; January 28, 2006.
19. Karas, SG. “Technical Issues in Avoiding Complications During Reverse Shoulder Arthroplasty.” Orthopaedic Learning Center, Rosemont, IL; February 17, 2006.
20. Karas, SG. “Reverse Shoulder Arthroplasty for the Management of Rotator Cuff Arthropathy.” Cape Cod Hospital Orthopaedic Grand Rounds, Cape Cod, MA; February 22, 2006.
21. Karas, SG. “Reverse Shoulder Arthroplasty for the Management of Rotator Cuff Arthropathy.” Encore Medical Central Region Training Symposium, Minneapolis, MN; February 25, 2006.
22. Karas, SG. “Reverse Total Shoulder Arthroplasty.” Encore Medical Western Region Training

Symposium, Phoenix, AZ; April 22, 2006.

23. Karas, SG; Greene, T. “Pathophysiology of Rotator Cuff Disease.” Georgia Shoulder and Elbow Society Annual Meeting, Atlanta, GA; April 29, 2006.
24. Karas, SG; Bullington, A. “Rotator Cuff Repair—Outcomes of Operative Treatment.” Georgia Shoulder and Elbow Society Annual Meeting, Atlanta, GA; April 29, 2006.
25. Karas, SG. “Reverse Shoulder Arthroplasty for the Management of Rotator Cuff Arthropathy.” Encore Medical Central Region Training Symposium, Minneapolis, MN; May 6, 2006.
26. Karas, SG. “Arthroscopic Rotator Cuff Repair.” Linvatec Lunchtime Symposium, European Shoulder and Elbow Society; September 21, 2006.
27. Karas, SG. “Arthroscopic Instability Reconstruction.” Linvatec Lunchtime Symposium, European Shoulder and Elbow Society; September 21, 2006.
28. Karas, SG; Ugbo, J. “Glenoid Resurfacing in Total Shoulder Arthroplasty.” Orthopaedic Education Summit, Bachelor Gulch, CO; January 6, 2007.
29. Karas, SG. “Arthroscopic Skills for the Sales Representative.” Conmed Linvatec Sales Force Training, Largo, FL; April 16, 2007.
30. Karas, SG. “Pearls and Avoiding Pitfalls in Reverse Shoulder Arthroplasty.” AAOS Orthopaedic Learning Center, Rosemont, IL; June 29, 2007.
31. Karas, SG. “Reconstruction of Massive Rotator Cuff Tears: Transfer, Graft, or Arthroplasty?” Notre Dame Orthopaedic Society, South Bend, IN; August 30, 2007.
32. Karas, SG. “Reverse Shoulder Arthroplasty: Avoiding Complications.” Encore Surgical Skills Symposium, Las Vegas, NV; October 26, 2007.
33. Karas, SG; Ugbo, J. “Glenoid Resurfacing in Total Shoulder Arthroplasty.” Orthopaedic Education Summit, Park City, UT; January 5, 2008.
34. Karas, SG; Kercher, J. “Pathophysiology of Shoulder Instability and Normal Anatomic Variants.” AAOS/ASES Combined Shoulder Course, Orthopaedic Learning Center, Rosemont, IL; January 19, 2008.
35. Karas, SG. “Advanced Pathologies in Reverse Shoulder Arthroplasty.” Advanced Shoulder Training Institute, Austin, TX; May 12, 2008.
36. Karas, SG. “Technique, Pearls, and Pitfalls of Reverse Shoulder Prosthetic Replacement.” DonJoy Orthopaedic Surgical Reverse Shoulder Arthroplasty Seminar, Vista, CA; May 30, 2008.
37. Karas, SG. “Technical Pearls in Reverse Shoulder Arthroplasty.” DJO Surgical Reverse Shoulder Arthroplasty Series, Las Vegas, NV; September 12, 2008.
38. Karas, SG. “Management of Rotator Cuff Arthropathy: Reverse Shoulder Arthroplasty.” Notre Dame Orthopaedic Society, South Bend, IN; October 3, 2008.
39. Karas, SG. “Dual Row Rotator Cuff Repair.” AAOS/ASES Combined Shoulder Course, Orthopaedic Learning Center, Rosemont, IL; January 22, 2009.
40. Karas, SG; Register, B. “Biologic Augmentation of Rotator Cuff Repairs.” AAOS/ASES Combined Shoulder Course, Orthopaedic Learning Center, Rosemont, IL; January 23, 2009.
41. Karas, SG. “Reverse Shoulder Arthroplasty.” Instructional Course Lecture, American Academy of Orthopaedic Surgeons Annual Meeting, Las Vegas, NV; February 26, 2009.
42. Karas, SG. “Treatment Algorithms for Massive Rotator Cuff Tear.” 46th Argentine Association for Orthopaedics and Traumatology Annual Meeting, Salta, Argentina; December 1, 2009.
43. Karas, SG. “Dual Row Rotator Cuff Repair: Is It the Answer?” 46th Argentine Association for Orthopaedics and Traumatology Annual Meeting, Salta, Argentina; December 2, 2009.
44. Karas, SG. “Arthroscopic Management of Anterior Shoulder Instability.” 46th Argentine Association for Orthopaedics and Traumatology Annual Meeting, Salta, Argentina; December 2, 2009.
45. Karas, SG. “Reverse Shoulder Arthroplasty: Pearls and Pitfalls.” 46th Argentine Association for Orthopaedics and Traumatology Annual Meeting, Salta, Argentina; December 3, 2009.
46. Karas, SG. “Allografts in the Management of Irreparable Rotator Cuff Tear.” Current Solutions in Shoulder and Elbow Surgery Annual Meeting, Renaissance International Hotel, Tampa, FL; January 9, 2010.
47. Symposium Moderator: “Rotator Cuff I.” American Academy of Orthopaedic Surgeons Annual

Meeting, New Orleans, LA; March 11, 2010.

48. "Reverse Shoulder Arthroplasty" Instructional Course Lecture. American Academy of Orthopaedic Surgeons Annual Meeting, New Orleans, LA; March 12, 2010.
49. Karas, SG. "Shoulder Injuries: Diagnosis and Management for the Primary Care Physician." Emory Orthopaedics Primary Care Symposium, Atlanta, GA; April 24, 2010.
50. Karas, SG. "Is Dual Row Rotator Cuff Repair the Answer?" Georgia Shoulder and Elbow Society Annual Meeting, Atlanta, GA; April 24, 2010.
51. Karas, SG. "Treatment of Biceps-Labral Complex Injuries." Georgia Shoulder and Elbow Society Annual Meeting, Atlanta, GA; April 24, 2010.
52. Karas, SG. "Biomechanical Comparison of Reverse Shoulder Implant Designs—Medial Offset Concept." Hawkins Shoulder Society, Hilton Head, SC; May 14, 2010.
53. Karas, SG. "Rationale for Dual Row Rotator Cuff Repair." Notre Dame Orthopaedic Society Annual Meeting; September 10, 2010.
54. Karas, SG. "Allografts in the Management of Irreparable Rotator Cuff Tear." Current Solutions in Shoulder and Elbow Surgery Annual Meeting, Renaissance International Hotel, Tampa, FL; January 22, 2011.
55. Karas, SG. "Subacromial Hook Plate for Clavicle and AC Joint Injury." Current Solutions in Shoulder and Elbow Surgery Annual Meeting, Renaissance International Hotel, Tampa, FL; January 23, 2011.
56. Karas, SG. "Outcomes of Reverse Total Shoulder Arthroplasty." Current Solutions in Shoulder and Elbow Surgery Annual Meeting, Renaissance International Hotel, Tampa, FL; January 23, 2011.
57. Karas, SG. "Allograft Bridge Technique for Irreparable Rotator Cuff Tear." Hawkins Society Annual Meeting, Hilton Head, SC; May 6, 2011.
58. Karas, SG. "ACL Reconstruction—The Anatomic Approach." Steadman Hawkins Clinic of the Carolinas Annual Sports Medicine Symposium, Greenville, SC; June 10, 2011.
59. Karas, SG. "Evidence Based Approach to the Management of Anterior Shoulder Instability." Steadman Hawkins Clinic of the Carolinas Annual Sports Medicine Symposium, Greenville, SC; June 10, 2011.
60. Karas, SG. "Outcomes of Reverse Total Shoulder Arthroplasty." Current Solutions in Shoulder and Elbow Surgery Annual Meeting, Renaissance International Hotel, Tampa, FL; January 14, 2012.
61. Karas, SG. "Allografts in the Management of Irreparable Rotator Cuff Tear." Current Solutions in Shoulder and Elbow Surgery Annual Meeting, Renaissance International Hotel, Tampa, FL; January 15, 2012.
62. Karas, SG. "Best of the AAOS Annual Meeting—Shoulder and Elbow." American Academy of Orthopaedic Surgeons Annual Meeting, San Francisco, CA; March 10, 2012.
63. Karas, SG. "Best of the AAOS Annual Meeting—Shoulder and Elbow." American Academy of Orthopaedic Surgeons Annual Meeting, Chicago, IL; March 22, 2013.
64. Karas, SG. "Bicep Tenodesis for the Management of Type II SLAP Lesions." Hawkins Society Annual Meeting, Omni Hotel, Hilton Head, SC; May 17, 2013.
65. Karas, SG. "Patellofemoral and Meniscus Review." AOSSM/AAOS Combined Board Review Course, Westin Chicago Riverfront, Chicago, IL; August 10, 2013.
66. Karas, SG. "Surgical Management of the Rotator Cuff Deficient Shoulder." American Society of Shoulder and Elbow Therapists Annual Meeting, Mercer University, Atlanta, GA; August 17, 2013.
67. Karas, SG. "Physical Examination of the Shoulder." American Society of Shoulder and Elbow Therapists Annual Meeting, Mercer University, Atlanta, GA; August 17, 2013.
68. Karas, SG. "Patellofemoral and Meniscus Review." AOSSM/AAOS Combined Board Review Course, Fairmont Hotel, Chicago, IL; August 7, 2014.
69. Gillis, D; Karas, SG; Slone, HS; Lauzon, M; Shani, RH; East, M; Barfield, WR. "Functional Movement Screen and Prior Injury in National Football League Combine Athletes." NFL Physician Society Annual Meeting, Indianapolis, IN; February 19, 2015.

70. Karas, SG. “The Subacromial Hook Plate for AC Joint Reconstruction.” Instructional Course Lecture 229, American Academy of Orthopaedic Surgeons Annual Meeting, Las Vegas, NV; March 25, 2015.
71. Karas, SG. “Not Even Anatomy Will Save You: Why You Need the Hook Plate.” Arthroscopy Association of North America Specialty Day, Las Vegas, NV; March 28, 2015.
72. Karas, SG. “Patellofemoral and Meniscus Review.” AOSSM/AAOS Combined Board Review Course, Westin Chicago River North, Chicago, IL; August 14, 2015.
73. Karas, SG. “You Have to Use the Hook Plate.” Orthopedic Surgery Emerging Technologies Annual Course, Bellagio Hotel, Las Vegas, NV; December 4, 2015.
74. Karas, SG. “Why You Need the Hook Plate.” Arthroscopy Association of North America Specialty Day, Orlando, FL; March 5, 2016.
75. Karas, SG. “Posterior Shoulder Instability: How I Examine the Shoulder.” Orthopedic Surgery Emerging Technologies Annual Course, Las Vegas, NV; December 8, 2016.
76. Karas, SG. “Anatomic Rotator Cuff Repair: Tips for Getting It Right.” Smith & Nephew Shoulder Symposium, New Orleans, LA; October 27, 2017.
77. Karas, SG; Malasitt, P. “Revision Rotator Cuff Repair.” Orthopedic Surgery Emerging Technologies Annual Course, Las Vegas, NV; December 9, 2017.
78. Karas, SG. “Management of Type II SLAP Lesion in a Scholastic Softball Player.” Orthopedic Surgery Emerging Technologies Annual Course, Las Vegas, NV; December 9, 2017.
79. Karas, SG. “Rotator Cuff Repair—Tips to Getting It Right.” Arthroscopy Association of North America Shoulder Skills Course (808), Orthopedic Learning Center, Rosemont, IL; August 3, 2018.
80. Karas, SG. “My Biceps Tenodesis Technique.” Arthroscopy Association of North America Shoulder Skills Course (808), Orthopedic Learning Center, Rosemont, IL; August 4, 2018.
81. Karas, SG. “AC Joint Injuries—How I Treat Them.” Arthroscopy Association of North America Shoulder Skills Course (808), Orthopedic Learning Center, Rosemont, IL; August 4, 2018.
82. Karas, SG. “Recurrent Instability of My In-Season Athletes—Algorithm for Success.” Orthopedic Surgery Emerging Technologies Annual Course, Las Vegas, NV; December 8, 2018.
83. Karas, SG. “My Approach to Shoulder Instability.” Pediatric Research in Sports Medicine (PRISM) Annual Meeting, Hyatt Hotel, Atlanta, GA; January 17, 2019.
84. Karas, SG. “A Novel Three-Dimensional Kinematic Assessment of Lower Extremity Injuries in Elite Athletes: The Relationship of Musculoskeletal Patterns to Uninjured Controls.” NFL Physicians Society Annual Meeting, Indianapolis, IN; February 28, 2019.
85. Karas, SG. “New Horizons in Knotless Labral Repair.” San Diego Shoulder Institute Annual Meeting, Hilton Bayfront Hotel, San Diego, CA; June 20, 2019.
86. Karas, SG. “Improved Intraoperative Performance Through Knotless Technologies.” San Diego Shoulder Institute Annual Meeting, Hilton Bayfront Hotel, San Diego, CA; June 21, 2019.
87. Karas, SG; Carstensen, SE. “Arthroscopic Bankart Repair with Remplissage.” Smith & Nephew NOLA Shoulder Symposium, New Orleans, LA; October 3, 2019.
88. Karas, SG. “In-Situ Rotator Cuff Repair—Keep What You Have!” Orthopedic Surgery Emerging Technologies Annual Course, Las Vegas, NV; December 11, 2019.
89. Karas, SG. “I Can Salvage Bony Bankart Fragments.” Orthopedic Surgery Emerging Technologies Annual Course, Las Vegas, NV; December 11, 2019.
90. Karas, SG. “Knotless Labral Repair for Shoulder Instability.” Smith & Nephew Lunch Symposium at Orthopedic Surgery Emerging Technologies Annual Course, Las Vegas, NV; December 12, 2019.
91. Taylor, E; Karas, SG. “Unique Shoulder Problems: Snapping Scapula Syndrome and Suprascapular Nerve Entrapment.” Athletic Trainers in the Physician Practice Society Annual Meeting (Poster). University of South Carolina Alumni Center Hotel, Columbia, SC; February 29, 2020.
92. Karas, SG. “Arthroscopic Bankart Repair with Remplissage.” Smith & Nephew Global Experts Meeting in Shoulder; October 22, 2020.
93. Karas, SG. “In Situ Rotator Cuff Repair.” Orthopedic Surgery Emerging Technologies Annual

Course, Las Vegas, NV; December 12, 2021.

94. Karas, SG. “Chronic Rotator Cuff Repair—Fix What You Can.” Orthopedic Surgery Emerging Technologies Annual Course, Las Vegas, NV; December 12, 2021.
95. Karas, SG. “Failed Rotator Cuff Repair.” Panel, Orthopedic Surgery Emerging Technologies Annual Course, Las Vegas, NV; December 12, 2021.
96. Karas, SG; Logterman, SL. “The Latarjet Procedure.” Hawkins Shoulder Society Annual Meeting, Hilton Head, SC; May 7, 2022.
97. Karas, SG. “Arthroscopic Repair of Subscapularis Tears.” Orthopedic Surgery Emerging Technologies Annual Course, Boston, MA; September 23, 2022.
98. Karas, SG. “Arthroscopic Bankart Reconstruction in the Contact Athlete with Subcritical Bone Loss.” Smith & Nephew NOLA Shoulder Course, New Orleans, LA; September 29, 2022.
99. Karas, SG. “My Latest AC Joint Reconstruction Techniques.” Foundation for Orthopedic Research and Education 29th Annual Tampa Shoulder Course, Tampa, FL; February 23, 2023.
100. Karas, SG. “How I Do the Latarjet Procedure.” Foundation for Orthopedic Research and Education 29th Annual Tampa Shoulder Course, Tampa, FL; February 23, 2023.
101. Karas, SG. “Outcomes of a Novel Anchor for Capsulolabral Repair with Minimal 2-Year Follow-Up.” Hawkins Society Annual Meeting, Hilton Head, SC; May 19, 2023.
102. Karas, SG. “The Unrecognized Subscapularis Tear—Fix It!” Orthopedic Surgery Emerging Technologies Annual Course, Boston, MA; September 21, 2023.
103. Karas, SG. “Posterior Labral Repair in the Collision Athlete.” Orthopedic Surgery Emerging Technologies Annual Course, Boston, MA; September 22, 2023.
104. Karas, SG. “My Latest AC Joint Reconstruction Techniques.” Foundation for Orthopedic Research and Education 30th Annual Tampa Shoulder Course, Tampa, FL; February 2, 2024.
105. Karas, SG. “Knotted vs. Knotless Medial Row in Rotator Cuff Repair.” Orthopedic Surgery Emerging Technologies Annual Course, Las Vegas, NV; September 15, 2024.
106. Karas, SG. “What’s New in Shoulder Surgery—Rotator Cuff Augmentation.” Orthopedic Surgery Emerging Technologies Annual Course, Las Vegas, NV; September 15, 2024.
107. Karas, SG. “Posterior Labral Repairs—Making It Easier.” Foundation for Orthopedic Research and Education 31st Annual Tampa Shoulder Course, Tampa, FL; February 27, 2025.
108. Karas, SG. “Avoiding Disasters Around the AC Joint.” Foundation for Orthopedic Research and Education 31st Annual Tampa Shoulder Course, Tampa, FL; March 1, 2025.
109. Karas, SG. “Shoulder Instability—Tips and Tricks.” Hawkins Society Annual Meeting, Hilton Head, SC; May 2, 2025.
110. Karas, SG. “Why You Should Augment Your Rotator Cuff Repairs”. Foundation for Orthopedic Research and Education 31st Annual Tampa Shoulder Course, Tampa, FL; February 19, 2026.
111. Karas, SG. “Peri-Operative Pain Management Following Elective Shoulder Surgery: Non-Opioid Alternatives & Multimodal Strategies”. Hawkins Society Annual Meeting, Hilton Head, SC; May 5, 2026.

b. **Regional:**

1. Karas, SG. “Diagnosis and Management of Shoulder Pathology in the Overhead Athlete.” Mid Atlantic Athletic Trainers Association Annual Meeting, Virginia Beach, VA; May 22, 2004.
2. Karas, SG. “Indications and Decision Making in Reverse Shoulder Arthroplasty.” Georgia Shoulder and Elbow Society Meeting, Sea Island, GA; October 14, 2006.
3. Karas, SG. “Management of Multidirectional Instability in the Athlete.” Southeastern Conference Shoulder Symposium, Atlanta, GA; March 9, 2007.
4. Karas, SG; Martin, MK. “Outcomes of Arthroscopic Instability Reconstruction.” Second Annual Georgia Shoulder and Elbow Society Spring Meeting, Atlanta, GA; March 24, 2007.
5. Karas, SG. “Bone Deficiencies in Shoulder Instability.” Second Annual Georgia Shoulder and Elbow Society Spring Meeting, Atlanta, GA; March 24, 2007.

6. Karas, SG. “Hemicap Resurfacing for Chondral Defects of the Humeral Head.” Savannah, GA; May 14, 2007.
7. Karas, SG. “Acromioclavicular Joint Injuries: Pathophysiology and Management.” Georgia Shoulder and Elbow Society Annual Meeting, Atlanta, GA; April 19, 2008.
8. Karas, SG. “Ulnar Collateral Ligament Injuries: Diagnosis and Management.” Southeastern Sports Medicine Conference, Carrollton, GA; July 26, 2008.
9. Karas, SG. “Recent Advances in the Management of Rotator Cuff Tears.” Southeastern Sports Medicine Symposium, Atlanta, GA; August 1–2, 2008.
10. Karas, SG. “Innovative Concepts for SLAP Lesions.” Southeastern Sports Medicine Symposium, Atlanta, GA; August 1–2, 2008.
11. Karas, SG. “Dual Row Rotator Cuff Repair Is Superior to Single Row Repair.” Southern Orthopaedic Association Annual Meeting, Amelia Island, FL; July 16, 2009.
12. Karas, SG. “Double Bundle ACL Reconstruction: How Do You Decide in 2009?” Southern Orthopaedic Association Annual Meeting, Amelia Island, FL; July 19, 2009.
13. Karas, SG. “Anterior Shoulder Instability in the Athlete.” Combined Emory Sports Medicine and Southeast Athletic Trainers Association 4th Annual Meeting, Renaissance Waverly Place Hotel, Atlanta, GA; March 11, 2011.
14. Karas, SG. “Rotator Cuff Injury in the Overhead Athlete.” Combined Emory Sports Medicine and Southeast Athletic Trainers Association 4th Annual Meeting, Renaissance Waverly Place Hotel, Atlanta, GA; March 11, 2011.
15. Karas, SG. “Anterior Shoulder Instability in the Athlete.” Combined Emory Sports Medicine and Southeast Athletic Trainers Association 5th Annual Meeting, Renaissance Waverly Place Hotel, Atlanta, GA; March 16, 2012.
16. Karas, SG. “Examination of the Shoulder.” Combined Emory Sports Medicine and Southeast Athletic Trainers Association 5th Annual Meeting, Renaissance Waverly Place Hotel, Atlanta, GA; March 17, 2012.
17. Karas, SG; Romine, SE. “An Evidence Based Approach for the Management of Shoulder Instability.” Georgia Shoulder and Elbow Society Annual Meeting, Callaway Gardens, GA; April 28, 2012.
18. Karas, SG; Shockley, BE. “Biceps Labral Complex Injuries: A Changing Paradigm for the Management of SLAP Lesions.” Georgia Shoulder and Elbow Society Annual Meeting, Callaway Gardens, GA; April 28, 2012.
19. Karas, SG; Ghattas, T. “Injury Management and Return to Play in the In-Season Athlete.” Emory University Game Day Athletic Trainers Symposium, Emory Orthopedics and Spine Center, Atlanta, GA; October 4, 2012.
20. Karas, SG. “Return to Play After Shoulder Injury.” Combined Emory Sports Medicine and Southeast Athletic Trainers Association 6th Annual Meeting, Crown Plaza Hotel, Atlanta, GA; March 8, 2013.
21. Karas, SG. “Examination of the Shoulder.” Combined Emory Sports Medicine and Southeast Athletic Trainers Association 6th Annual Meeting, Crown Plaza Hotel, Atlanta, GA; March 9, 2013.
22. Karas, SG. “ACL Injury Prevention.” Combined Emory Sports Medicine and Southeast Athletic Trainers Association 6th Annual Meeting, Crown Plaza Hotel, Atlanta, GA; March 9, 2013.
23. Karas, SG. “Examination of the Shoulder.” Emory Sports Medicine 7th Annual Meeting, Westin Atlanta Perimeter Hotel, Atlanta, GA; March 29, 2014.
24. Karas, SG. “ACL Injury Prevention.” Emory Sports Medicine 7th Annual Meeting, Westin Atlanta Perimeter Hotel, Atlanta, GA; March 29, 2014.
25. Karas, SG. “Anterior Shoulder Instability in the Athlete.” Emory Sports Medicine 7th Annual Meeting, Westin Atlanta Perimeter Hotel, Atlanta, GA; March 29, 2014.
26. Karas, SG. “Rotator Cuff—Surgical Decision Making.” Emory Sports Medicine Annual

Symposium, Emory John's Creek Hospital, John's Creek, GA; April 22, 2016.

27. Karas, SG. "Shoulder Instability—State of the Art in 2016." Emory Sports Medicine Annual Symposium, Emory John's Creek Hospital, John's Creek, GA; April 22, 2016.
28. Karas, SG. "Performance, Recovery, and Prevention—What Can We Learn from the NFL?" Emory Sports Medicine Annual Symposium, Emory John's Creek Hospital, John's Creek, GA; April 23, 2016.
29. Karas, SG. "Functional Movement Screen and Prior Injury in NFL Combine Athletes." Emory Sports Medicine Annual Symposium, Emory John's Creek Hospital, John's Creek, GA; April 23, 2016.
30. Karas, SG. "Case Reports in Rotator Cuff Repair." Southern Orthopedic Association Annual Meeting, Naples Grande Hotel, Naples, FL; July 29, 2016.
31. Karas, SG; Haigler, R. "Controversies in Rotator Cuff Repair." Southern Orthopedic Association Annual Meeting, Naples Grande Hotel, Naples, FL; July 29, 2016.
32. Karas, SG. "Management of Distal Third Clavicle Fractures." Georgia Shoulder and Elbow Society Annual Meeting, Atlanta, GA; April 22, 2017.
33. Karas, SG. "Management of Complex Clavicle Non-Union." Georgia Shoulder and Elbow Society Annual Meeting, Atlanta, GA; April 22, 2017.
34. Karas, SG. "What's New in Shoulder Surgery." Eastern Orthopedic Society Annual Meeting, Amelia Island, FL; October 19, 2018.
35. Fitzpatrick, M; Karas, SG. "Revision of Failed Latarjet Procedure with Distal Tibial Osteoarticular Allograft." 15th Annual Emory Sports Medicine Symposium; May 14, 2022. (Virtual)
36. Karas, SG. "Anterior Shoulder Instability—What You Need to Know." 15th Annual Emory Sports Medicine Symposium; May 14, 2022. (Virtual)
37. Karas, SG. "Shoulder Injuries in the Primary Care Setting." Emory Sports Medicine 13th Annual Symposium, Atlanta, GA; May 16, 2020.
38. Karas, SG; Burkolder, R. "Return to Play in the Collision Athlete." Emory Sports Medicine 13th Annual Symposium, Atlanta, GA; May 16, 2020.
39. Karas, SG; Miller, DM. "Revision Rotator Cuff Repair." Georgia Shoulder and Elbow Society Annual Meeting, Atlanta, GA; April 23, 2022.
40. Karas, SG. "Traumatic Shoulder Instability—Update in Care for 2023." 16th Annual Emory Sports Medicine Symposium, Georgia Institute of Technology; June 10, 2023.
41. Karas, SG. "The Biceps—Tenotomy vs. Tenodesis." Eastern Orthopedic Association Annual Meeting, Charleston, SC; October 26, 2023.
42. Karas, SG. "Allograft Reconstruction of Pectoralis Major Injuries." Georgia Shoulder and Elbow Society Annual Meeting, Adairsville, GA; April 26, 2024.
43. Karas, SG. "AC Joint Injuries, Alternatives and My Approach." Georgia Shoulder and Elbow Society Annual Meeting, Adairsville, GA; April 26, 2024.
44. Karas SG. "In Situ Rotator Cuff Repair". Georgia Shoulder and Elbow Society Annual Meeting, Adairsville, GA; May 1, 2025.
45. Karas SG. "Structural Augmentation and Reconstruction of Large and Irreparable Rotator Cuff Tears." Georgia Shoulder and Elbow Society Annual Meeting, Adairsville, GA; May 1, 2025.
46. Karas SG. "Optimizing Outcomes in Arthroscopic Anterior Shoulder Reconstruction". Georgia Shoulder and Elbow Society Annual Meeting, Adairsville, GA; April 24, 2026.
47. Karas SG. 'My Craziest Case- Locked Posterior Shoulder Dislocation". Georgia Shoulder and Elbow Society Annual Meeting, Pine Mountain, GA; April 24, 2026.
48. Karas SG. "Posterior Labral Repair- Making it Easier". Georgia Shoulder and Elbow Society Annual Meeting, Pine Mountain, GA; April 25, 2026.
49. Karas SG. "From Tears to Triumph: Rotator Cuff Augmentation in 2026". Eastern Orthopedic Association Annual Meeting, Miami, FL; October 15, 2026

c. **Institutional:**

1. Karas, SG. “Gunshot Wounds to the Musculoskeletal System: Ballistics, Physiology, and Management.” Duke University Medical Center Continuing Education Trauma Symposium, Durham, NC; May 14, 1997.
2. Karas, SG. “Gunshot Wounds to the Musculoskeletal System: Ballistics, Physiology, and Management.” Duke University Medical Center Continuing Education Trauma Symposium, Durham, NC; March 9, 1999.
3. Karas, SG; Hurst, JD; Garrett, WE. “The Role of the Trail Foot in Cutting Skills.” Duke Medical Center “K Lab” Human Performance Center Symposium, Durham, NC; April 26, 1999.
4. Karas, SG. “Pearls and Pitfalls in the Arthroscopic Management of Glenohumeral Instability.” Combined UNC-Duke Regional Sports Medicine Symposium, Durham, NC; May 15, 2002.
5. Karas, SG. “Arthroscopic Shoulder Reconstruction: Focus on Labral Repair.” UNC Department of Orthopaedics Bioskills Lab, Raleigh, NC; June 21, 2003.
6. Karas, SG. “Arthroscopic Repair of the Labrum and Rotator Cuff.” Arthrex Bioskills Course, Raleigh, NC; August 9, 2003.
7. Karas, SG. “Managing Knee Arthritis in the Active Patient: Alternatives to Arthroplasty.” University of North Carolina Athletic Trainers Course, Chapel Hill, NC; February 7, 2004.
8. Karas, SG. “Diagnosis and Management of Shoulder Pathology: A Primer for Primary Care Specialists.” Emory University Department of Orthopaedics Musculoskeletal Course, Atlanta, GA; April 16, 2005.
9. Karas, SG. “Biomechanics and Kinematics of the Shoulder Girdle.” Emory Healthcare 1st Annual Athlete’s Shoulder Symposium, Atlanta, GA; March 3, 2006.
10. Karas, SG. “Anterior Shoulder Instability in the Athlete.” Emory Healthcare 1st Annual Athlete’s Shoulder Symposium, Atlanta, GA; March 3, 2006.
11. Karas, SG. “The Rotator Cuff and Biceps Tendon.” Emory Healthcare 1st Annual Athlete’s Shoulder Symposium, Atlanta, GA; March 3, 2006.
12. Karas, SG. “Shoulder Injuries in the Throwing Athlete.” Emory Healthcare 1st Annual Athlete’s Shoulder Symposium, Atlanta, GA; March 3, 2006.
13. Karas, SG. “Diagnosis and Management of Common Shoulder Problems.” Emory Orthopaedics and Spine Center Primary Care Symposium, Atlanta, GA; April 1, 2006.
14. Karas, SG. “Training and Injury Avoidance for the Peachtree Road Race.” Big Peach Running Store, Atlanta, GA; June 21, 2007.
15. Karas, SG. “Shoulder Injuries: Diagnosis and Management for the Primary Care Physician.” Emory Orthopaedics Primary Care Symposium, Atlanta, GA; April 26, 2008.
16. Karas, SG. “Traumatic Anterior Shoulder Instability.” Emory Healthcare 2nd Annual Sports Medicine Symposium, Atlanta, GA; March 20, 2009.
17. Karas, SG. “Injuries to the Rotator Cuff and Biceps Tendon.” Emory Healthcare 2nd Annual Sports Medicine Symposium, Atlanta, GA; March 20, 2009.
18. Karas, SG. “Labral Injuries—Diagnosis and Imaging.” Emory Healthcare 2nd Annual Sports Medicine Symposium, Atlanta, GA; March 20, 2009.
19. Karas, SG. “Injuries to the Throwing Athlete’s Shoulder.” Emory Healthcare 2nd Annual Sports Medicine Symposium, Atlanta, GA; March 20, 2009.
20. Karas, SG. “Ulnar Collateral Ligament Injuries in the Throwing Athlete.” Emory Healthcare 2nd Annual Sports Medicine Symposium, Atlanta, GA; March 21, 2009.
21. Karas, SG. “Traumatic Anterior Shoulder Instability.” Emory Healthcare 3rd Annual Sports Medicine Symposium, Atlanta, GA; February 4, 2010.
22. Karas, SG. “Injuries to the Rotator Cuff and Biceps Tendon.” Emory Healthcare 3rd Annual Sports Medicine Symposium, Atlanta, GA; February 4, 2010.
23. Karas, SG. “Labral Injuries—Diagnosis and Imaging.” Emory Healthcare 3rd Annual Sports

Medicine Symposium, Atlanta, GA; February 4, 2010.
24. Karas, SG. “Shoulder Injuries: Diagnosis and Management for the Primary Care Physician.” Emory Orthopedics Primary Care Symposium, Atlanta, GA; April 29, 2011.
25. Karas, SG. “Shoulder Injuries: Diagnosis and Management for the Primary Care Physician.” Emory Orthopedics Primary Care Symposium, Atlanta, GA; April 27, 2012.
26. Karas, SG. “Shoulder Injuries: Diagnosis and Management for the Primary Care Physician.” Emory Orthopaedics Primary Care Symposium, Atlanta, GA; April 26, 2013.
27. Karas, SG. “Management of ACL Injury—Prevention to Repair.” Emory University Game Day Athletic Trainers Symposium, Emory Orthopedics and Spine Center, Atlanta, GA; September 15, 2013.
28. Karas, SG. “Shoulder Injuries: A Primer for the Primary Care Physician.” Emory Orthopaedics Primary Care Symposium, Atlanta, GA; April 25, 2014.
29. Karas, SG. “Injury Management and Return to Play in the In-Season Athlete.” Emory University Game Day Athletic Trainers Symposium, Emory Orthopedics and Spine Center, Atlanta, GA; September 7, 2014.
30. Karas, SG. “Sports Performance and Injury Prevention.” Emory University Game Day Athletic Trainers Symposium, Emory Orthopedics and Spine Center, Atlanta, GA; October 11, 2015.
31. Karas, SG. “Performance, Recovery, and Prevention—What Can We Learn from the NFL?” Chinese Olympic Committee Symposium, Georgia State University, Atlanta, GA; November 3, 2017.

26. **Abstract Presentations at National/International, Regional, and Institutional Conferences:**
    a. **National and International:**
        1. **Karas SG**, DeLorenzi RJ, Kernek CB, Pierce RO, Ambrose TA.“Unreamed Nailing of Tibial Fractures: A Prospective Study” American Fracture Association Annual Meeting, St. Louis, MO; April 4, 1993.
        2. **Karas SG**, Hurst JM, Garrett WE. “Reaction Time and Injury Avoidance: The Role of Anticipation Skills”. Poster presented at the annual meeting of the American College of Sports Medicine. Orlando, Florida, June 1998.
        3. Hawkins RJ, **Karas SG**. “Thermal Capsulorrhaphy: Science, Rationale, and Outcomes”. Arthroscopy Association of North America 18th Fall Course. San Diego, CA; November 19-20, 1999
        4. **Karas SG**, Noonan TJ, Horan ME, Hawkins RJ. “Electrothermal Capsulorrhaphy for the Treatment of Shoulder Instability: Two Year Follow-Up”. Steadman Hawkins Fellows Meeting. Vail, CO; December 11, 1999.
        5. **Karas SG**, Hawkins RJ, Schlegel TS, Steadman JR. “The Microfracture Technique for Resurfacing Full Thickness Chondral Lesions of the Knee: Experience in National Football League Players”. NFL Physicians Society Sports Science Symposium. Indianapolis, IN; February 25, 2000.
        6. Hawkins RJ, **Karas SG**, Noonan TJ, Horan ME. “Thermal Capsulorrhaphy for the Treatment of Shoulder Instability: Pro”. Symposium at the American Academy of Orthopaedic Surgeons Annual Meeting. Orlando, FL; March 18, 2000
        7. **Karas SG**, Noonan TJ, Horan ME, Hawkins RJ. “Outcomes of Shoulder Instability Treated with Radiofrequency Thermal Capsulorrhaphy: A Minimum Two Year Follow-

Up". Arthroscopy Association of North America 19th Annual Meeting. Miami, FL; April 16, 2000.

8. Rovner, AD; Luke, TA; **Karas, SG**; Plancher, KD; Hawkins, RJ. "Shoulder Capsule Volumetric Change after Open Inferior Capsular Shift versus Thermal Capsulorrhaphy: A Cadaveric Model". American Orthopaedic Society for Sports Medicine Annual Meeting. Sun Valley, ID; June 19, 2000.

9. **Karas SG**, Noonan TJ, Horan ME, Hawkins RJ. "Thermal capsulorrhaphy for the treatment of shoulder instability: Two year follow up". American Orthopaedic Society for Sports Medicine Annual Meeting. Sun Valley, ID; June 19, 2000.

10. **Karas SG**, Booth E, Spooner K, Decker M, Torry M. "Proprioceptive and kinesthetic differences in anterior cruciate reconstructed knees: Effects of graft choice and postoperative stability". 11th Annual Steadman Hawkins Fellows Meeting. Vail, CO; December 8, 2000.

11. Johnson JT, Mathews PV, **Karas SG**, Hawkins RJ. Effect of Size and Location of Rotator Cuff Tears on Superior Humeral Head Migration. 11th Annual Steadman Hawkins Fellows Meeting. Vail, CO; December 8, 2000.

12. **Karas SG**, Noonan TJ, Horan ME, Hawkins RJ. "Electrothermal arthroscopic shoulder capsulorrhaphy: A minimum two year follow up". Arthroscopy Association of North America Specialty Day, San Francisco, CA; March 3, 2001.

13. **Karas SG**, Noonan TJ, Horan ME, Hawkins RJ. "Thermal capsulorrhaphy for the treatment of shoulder instability: Two year follow up". American Academy of Orthopaedic Surgeons Annual Meeting, San Francisco, CA; February 28-March 4, 2001.

14. **Karas SG**; Wright, JM; Steadman, JR; Hawkins, RJ. "Repair of Extensor Mechanism Injuries: Patellar and Quadriceps Tendons". (Video presentation) American Academy of Orthopaedic Surgeons Annual Meeting, San Francisco, CA; February 24 – March 8, 2001.

15. Demorat GJ, Creighton A, **Karas SG**. "Shoulder capsule volumetric change after arthroscopic capsular plication and thermal capsulorrhaphy: A Cadaveric Model". American Orthopaedic Society for Sports Medicine 27th Annual Meeting, Keystone, CO; June 28-July 1 2001.

16. **Karas SG**, Booth E, Spooner K, Decker M, Torry M. "Proprioceptive and kinesthetic differences in anterior cruciate reconstructed knees: Effects of graft choice and postoperative stability". American Orthopaedic Society for Sports Medicine 27th Annual Meeting, Keystone, CO; July 1, 2001.

17. Steadman JR, **Karas SG**, Hawkins RJ. "The Microfracture Technique for Resurfacing Full Thickness Chondral Lesions of the Knee: Experience in Natonal Football League Players". American Orthopaedic Society for Sports Medicine 27th Annual Meeting, Keystone, CO; June 30- July 1, 2001.

18. **Karas SG**, Weinhold P, Patel NP. "Braiding does not affect the tensile properties of quadrupled tendon ACL grafts". Arthroscopy Association of North America 21st Annual Meeting. Washington, DC; April 25-28, 2002.

19. **Karas SG**, Creighton RA, Demorat GJ. "Glenohumeral volume reduction in shoulder instability: A cadaveric analysis of thermal capsulorrhaphy and arthroscopic suture plication". Arthroscopy Association of North America 21st Annual Meeting. Washington, DC; April 27, 2002.

20. Hawkins RJ, Krishnan SG, **Karas SG**, Horan MP, Kim YK, Noonan TJ. "Electrothermal arthroscopic shoulder capsulorrhaphy: A minimum two-year follow-up". American

Orthopaedic Association Annual Meeting. Victoria, BC; June 2, 2002.

21. Krishnan SG, Hawkins RJ, **Karas SG**, Horan MP, Noonan TJ. “Electrothermal arthroscopic shoulder capsulorrhaphy: A minimum two-year follow-up”. American Orthopaedic Socity for Sports Medicine 28th Annual Meeting. Orlando, FL; June 30, 2002.

22. Birkelo JR, Creighton RA, Padua DA, Guskiewicz KM, **Karas SG**. “A Three Dimensional Analysis of Fatigue Effects on Scapular Kinematics in the Overhead Athlete”. 4th Academic Congress of the Asian Shoulder Association. Seoul, Korea; October 31, 2002

23. Creighton RA, Demorat GJ, **Karas SG**. “Evaluating Volume Reduction in Arthroscopic Shoulder Instability Surgery: A Comparison of Three Techniques”. 4th Academic Congress of the Asian Shoulder Association. Seoul, Korea; November 1, 2002.

24. Birkelo JR, Padua DA, Guskiewicz KM, **Karas SG**. “Prolonged overhead throwing alters scapular kinematics and scapular muscle strength”. National Athletic Trainers' Association 54th Annual Meeting, St. Louis, MO; 2003.

25. D.A. Padua, J.R. Birkelo, K.M. Guskiewicz, **Karas SG**, C.T. Thigpen. “Reliability of scapulo-humeral rhythm during dynamic shoulder motion”. American College of Sports Medicine 50th Annual Meeting, San Francisco, CA; 2003.

26. Patel N, Silver W, Weinhold P, **Karas S**. “A Biomechanical Analysis of Braided Soft Tissue Grafts” (Poster). International Symposium on Ligaments and Tendons III. New Orleans, LA; February 1, 2003.

27. Bowman KF, Triantafillopoulos IK, Yang Xi, **Karas SG**, Banes AJ. “Cyclic tensile strain and anabolic steroid increase Connexin 43 expression and signaling in avian tendon cells”. Poster. 49th Annual Meeting of the Orthopaedic Research Society. New Orleans, LA; February 2-3, 2003.

28. Triantafillopoulos IK, **Karas SG**, Bowman KF, Yang X, Evans GA, Banes AJ. “Anabolic steroid and load enhance matrix remodeling and biomechanical strength of bio-artificial tendons”. Poster. 49th Annual Meeting of the Orthopaedic Research Society, New Orleans, LA; February 2-3, 2003.

29. **Karas SG**. “Arthroscopic suture plication, interval closure, and thermal capsulorrhaphy for the treatment of shoulder instability”. Video. American Academy of Orthopaedic Surgeons 70th Annual Meeting. New Orleans, LA; February 5-9, 2003.

30. Hawkins RJ, Krishnan SG, **Karas SG**, Horan MP, Kim YK, Noonan TJ. “Electrothermal arthroscopic shoulder capsulorrhaphy: A minimum two-year follow-up”. Scientific exhibit. American Academy of Orthopaedic Surgeons 70th Annual Meeting. New Orleans, LA; February 5-9, 2003.

31. Birkelo JR, Padua DA, Guskiewicz KM, **Karas SG**. “Effects of prolonged overhead throwing on scapular kinematics: A Computerized, electromagnetic, three dimensional analysis”. American Orthopaedic Society for Sports Medicine Specialty Day. New Orleans, LA; February 8, 2003.

32. Creighton RA, Triantafillopoulos IK, Silver WP, Devkota AC, Weinhold PS, **Karas SG**. “Biomechanical Integrity of Human Tendons Treated with Thermal Microdebridement: An Ex Vivo Analysis”. Poster. Arthroscopy Association of North America 22nd Annual Meeting. Phoenix, AZ; April 24-27, 2003.

33. **SG Karas**, *IK Triantafillopoulos*, M Maloney, WE Garrett, AJ Banes. “Nandrolone Decanoate and Load Increase Remodeling and Strength in Human Supraspinatus Bioartificial Tendons”. Piedmont Orthopaedic Society Annual Meeting. Sea Island, GA; May 10, 2003.

34. **SG Karas**, IK Triantafillopoulos, M Maloney, WE Garrett, AJ Banes. “Effect of Anabolic Steroids on the Biomechanical and Matrix Remodeling Properties of Human Supraspinatus Bioartificial Tendons”. Hawkins Shoulder Society Annual Meeting. Hilton Head, SC; May 16, 2003.

35. **SG Karas**, JR Birkelo, DA Padua, KM Guskiewicz. “Prolonged overhead throwing alters scapular kinematics and scapular muscle strength”. Hawkins Shoulder Society Annual Meeting. Hilton Head, SC; May 16, 2003.

36. Creighton RA, Triantafillopoulos IK, Silver WP, Devkota AC, Weinhold PS, Garrett WE, **Karas SG**. “Thermal Microdebridement of Human Tendons: A Biomechanical Study” (Poster). American Orthopaedic Socity for Sports Medicine 29th Annual Meeting. San Diego, CA; July 20, 2003.

37. Triantafillopoulos IK, Banes AJ, Elfervig MK, Garrett WE, **Karas SG**. “Nandrolone Decanoate and Loading Enhance Intercellular Calcium Signaling in Human Supraspinatus Tendon Cells.” Hellenic Association of Orthopaedic Surgery and Traumatology. Athens, Greece. October 16, 2003.

38. Triantafillopoulos IK, Banes AJ, Bowman KF, Garrett WE, **Karas SG**. “The Synergistic Effect of Anabolic Steroid and Load on the Matrix Remodeling and Biomechanical Properties of Bio-artificial Tendons.” Hellenic Association of Orthopaedic Surgery and Traumatology. Athens, Greece. October 16, 2003.

39. Thigpen CA, Padua DA, **Karas SG**. “Reliability of scapula anterior/posterior tipping for dynamic humeral rotation”. American College of Sports Medicine 51st Annual Meeting, Indianapolis, IN, 2004.

40. Bensen CV, Spang JT, **Karas SG**. “The HAGL Lesion: An arthroscopic technique for repair of humeral avulsion of the glenohumeral ligaments”. Linvatec Residents and Fellows Course. Fort Meyers, FL; May15, 2004.

41. **Karas SG**. “Optimizing Outcomes in Rotator Cuff Repair: The Role of Anabolic Agents”. 1st Annual International Symposium for the Treatment of Complex Shoulder Problems. Tampa, FL; January 17, 2004.

42. Thigpen CT, Padua DA, **Karas SG**. “Repeatability of Scapular Rotations for Three Planes of Humeral Elevation”. American Physical Therapy Association Combined Sections Meeting. Nashville, TN; February 4-8, 2004.

43. **SG Karas**, IK Triantafillopoulos, M Maloney, KF Bowman, AJ Banes. “Anabolic Steroids Enhance the Remodeling and Mechanical Properties of Bioengineered Human Supraspinatus Tendons”. 9th International Congress on Surgery of the Shoulder. Washington, DC; May 2-5, 2004.

44. Thigpen CT, Padua DA, Morgan N, Kreps C, **Karas SG**. “A Three-Dimensional Analysis of Scapular Kinematics in Rotator Cuff Rehabilitation: A Comparison of ‘Full Can’ vs. ‘Empty Can’ Exercise Techniques”. 9th International Congress on Surgery of the Shoulder. Washington, DC; May 2-5, 2004.

45. Thigpen CT, Padua DA, Morgan N, Kreps C, **Karas SG**. “A Three-Dimensional Analysis of Scapular Kinematics in Rotator Cuff Rehabilitation: A Comparison of ‘Full Can’ vs. ‘Empty Can’ Exercise Techniques” (Poster). American Orthopaedic Socity for Sports Medicine 29th Annual Meeting. Quebec City, Canada; June 24-27, 2004.

46. Banes AJ, **Karas SG**. "Regulated MMP Production in Response to IL-1b in Tenocytes" (Poster). Biomedical Engineering Society Annual Meeting. Philadelphia, PA; October 13-16, 2004.

47. **SG Karas**, IK Triantafillopoulos, M Maloney, KF Bowman, AJ Banes. “Anabolic Steroids

Enhance the Remodeling and Mechanical Properties of Bioengineered Human Supraspinatus Tendons". Fourth Biennial AAOS/ASES Meeting. Monterey, CA; October 14, 2004.

48. Wellman D, Weinhold PS, Raynor M, **Karas SG**. "Three Versus Four Pegged Glenoid Components: A Biomechanical Evaluation Of Fixation Stability With Cyclical Loading" 20th Annual International Society of Bioengineering and 29th Annual American Society of Bioengineering Combined Meeting. Cleveland, OH; 2005.

49. Aneja A, Karas SG, Weinhold PS, Afshari H, Dahners LE. " Stress Protection Suture, Thermal Shrinkage, and Sclerosing Agents: Effects on Rat Patellar Tendon Length and Biomechanical Strength". International Symposium on Ligaments & Tendons V, Washington, DC. Feb.19, 2005.

50. DiStefano MJ, Padua DA, Blackburn T, Prentice W, **Karas SG**. "Gender Differences in Trunk Kinematics During a Cutting Task: An Evaluation of Elite Soccer Players". AAOS 72nd Annual Meeting, Washington, DC; February 24, 2005.

51. **Karas SG**, Goitz HT, Martineau PA, Sell. "ACL Injuries and the Female Athlete: Prevention, Gender Differences and Reconstruction". AAOS Communications Committee Media Briefing. AAOS 72nd Annual Meeting, Washington, DC; February 24, 2005.

52. Thigpen CA, Xu NM, **Karas SG**, Padua DA. "Comparison of Serratus Anterior and Upper Trapezius Muscle Activation between Subjects With and Without Multidirectional Shoulder Instability" American Physical Therapy Association Combined Sections Meeting. New Orleans, LA; February 27, 2005.

53. Clarke JP, Hermsen K, Renner JB, **Karas SG**. "Feasibility of MR virtual arthroscopy in demonstrating intra-articular pathology: Arthroscopic and imaging correlates". Society of Skeletal Radiology 2005 Annual Meeting, Orlando, FL; March 14, 2005.

54. Thigpen CA, Padua DA, **Karas SG**. "A Three Dimensional Analysis of Shoulder Kinematics in Patients with Multidirectional Shoulder Instability". American Orthopaedic Society for Sports Medicine 30th Annual Meeting. Keystone, CO; July 15, 2005.

55. Distefano M, Van Doren A, Prentice WE, Padua DA, **Karas SG**. "Gender Differences in Trunk and Hip Kinematics and Muscle Activation During a Cutting Task: A Comparison of Elite Soccer Athletes". American Orthopaedic Society for Sports Medicine 30th Annual Meeting. Keystone, CO; July 15, 2005.

56. **Karas SG**, Triantafillopoulos IK, Maloney M, Banes AJ. "The Effects of Anabolic Steroids on the Intra and Intercellular Properties of Bioengineered Supraspinatus Tendons. Australian Orthopaedic Association Sports Medicine Continuing Orthopaedic Education. Melbourne, Victoria, Australia; July 22, 2005.

57. Thigpen CA, Padua DA, **Karas SG**. Three Dimensional Coordination Analyses of Scapulohumeral Motion between Subjects With and Without Multidirectional Shoulder Instability". American Physical Therapy Association Combined Sections Meeting, San Diego, CA; Feb 2006.

58. Joshi MA, Padua DA, Thigpen CA, Guskiewicz KM, **Karas SG**. "Posterior Rotator Cuff Fatigue affects Scapular Muscle Activation during a Diagonal Movement Task". American Physical Therapy Association Combined Sections Meeting. San Diego, CA; February 3, 2006.

59. Thigpen CA, Padua DA, **Karas SG**. A 3-Dimensional Analysis of Scapular Kinematics in Patients with Multidirectional Instability. AAOS 73rd Annual Meeting, Chicago, IL; March 22, 2006.

60. Thigpen CA, Padua DA, Xu NM, **Karas SG**. Comparison of Serratus and Trapezius Muscle Activation between Subjects With and Without Shoulder MDI (Poster). AAOS 73rd Annual Meeting, Chicago, IL; March 22-26, 2006.

61. Brandon K, **Karas SG**. Total Shoulder Arthroplasty: Normal and Abnormal Findings (Scientific Exhibit). American Roentgen Ray Society Annual Meeting, Vancouver, Canada; April 30-May 5, 2006.

62. **Karas SG**. Early US Experience of Reverse Total Shoulder Arthroplasty. Piedmont Orthopaedic Meeting. Naples, FL; May 12, 2006.

63. Thigpen CA, Padua DA, **Karas SG**. A 3-Dimensional Analysis of Scapular Kinematics in Patients with Multidirectional Instability. Piedmont Orthopaedic Meeting. Naples, FL; May 13, 2006.

64. **Karas SG**, Pearsall AW, Labib S, Madanagopal S. "Latissimus Dorsi Transfer for the Management of Massive Rotator Cuff Tear". Piedmont Orthopaedic Meeting. Naples, FL; May 13, 2006.

65. Spang JT, Weinhold PS, **Karas SG**. "Biomechanical Evaluation of Endobutton Distal Biceps Repair". European Society for Shoulder and Elbow Annual Meeting, Athens, Greece. September 20-24, 2006.

66. **Karas SG**. Early US Experience of Reverse Total Shoulder Arthroplasty. European Society for Shoulder and Elbow Annual Meeting, Athens, Greece. September 20-24, 2006.

67. Thigpen CA, Padua DA, **Karas SG**. A 3-Dimensional Analysis of Scapular Kinematics in Patients with Multidirectional Instability. European Society for Shoulder and Elbow Annual Meeting, Athens, Greece. September 22, 2006.

68. Birkelo JR, Padua DA, Guskiewicz KM, **Karas SG**. "Prolonged overhead throwing alters scapular kinematics and scapular muscle strength". European Society for Shoulder and Elbow Annual Meeting, Athens, Greece. September 23, 2006.

69. Sweitzer BA, **Karas SG**, Brown S, Hawkins RJ, Frankle MA, Watson KC, Schlegel TF, Mighell MA. "Torsional Properties of Five Types of Humeral Stems: A Biomechanical Analysis of Loosening and Failure Characteristics". Southern Orthopaedic Association-Eastern Orthopaedic Association Annual Combined Meeting. Victoria, British Columbia. August 4, 2007.

70. Hammond K, Dierckman B, Brantley S, **Karas SG**. "Locking Hook Plate vs. Coracoclavicular Braid for Acromioclavicular Joint Reconstruction". American Orthopedic Society for Sports Medicine Annual Meeting. Baltimore, MD. July 12-15, 2012. (poster)

71. Starr HM, Brantley S, **Karas SG**. "Hook Plate Fixation for AC Separations and Type IIB Distal Clavicle Fractures". American Shoulder and Elbow Surgeons Closed Meeting. Sea Island, GA. October 12, 2012. (poster)

72. Ghattas T, Gottschalk M, Burdette R, **Karas SG**. "Biceps Tenodesis for the Management of Type II and IV SLAP Tears". Arthroscopy Association of North America Annual Meeting. Hollywood, FL. May 1, 2014.

73. Gottschalk M, Ghattas T, Burdette R, **Karas SG**. "Biceps Tenodesis for the Management of Superior Labral Tears". American Orthopedic Society for Sports Medicine Annual Meeting. Seattle, WA. July 11, 2014.

74. Slone, HS; **Karas, SG**; Shani, RH; East, M; Barfield, WR. "Functional Movement Screen and Prior Injury in National Football League Combine Athletes." American Orthopedic Society of Sports Medicine Specialty Day, Orlando, FL; March 5, 2016.

75. Premkumar, A; Godfrey, W; Gottschalk, MB; **Karas, SG**; Xerogeanes, JW; Samady, H. "Adductor Canal Block vs. Femoral Nerve Block in Anterior Cruciate Ligament Reconstruction: Randomized Control Trial." American Academy of Orthopedic Surgeons Annual Meeting, New Orleans, LA; February 7, 2018.

76. Boyd, JA; **Karas, SG**; Urchek, RJ; Farley, KX; Anastasio, AT; Gottschalk, MB. "Factors Influencing Operative Time in Arthroscopic Rotator Cuff Repair: A Comparison of Knotless Single-Row vs. Transosseous Equivalent Dual-Row Techniques." Poster, San Diego Shoulder Institute Annual Meeting, Hilton Bayfront Hotel, San Diego, CA; June 20, 2019.

77. Urchek, R; **Karas, SG**. "A Biomechanical Comparison of Quadriceps and Six-Strand Hamstring Grafts in Anterior Cruciate Ligament Reconstruction." Poster, American Academy of Orthopedic Surgeons Annual Meeting, Orlando, FL; 2020.

78. Spencer, CC; Duddleston, SH; Dawes, AM; **Karas, SG**; Xerogeanes, JW; Gottschalk, MB; Wagner, ER. "Prolonged Opioid Use Following Shoulder Instability Surgery: Are There Any Modifiable Risk Factors?" Poster presentation, American Association for Hand Surgery Virtual Annual Meeting; January 2021.

79. Petit, CB; **Karas, SG**; et al. "How Young Can You Safely Use Allograft for ACL Reconstruction?" Arthroscopy Association of North America Annual Meeting, New Orleans, LA; May 5, 2023.

80. Sameer R. Khawaja, Brianna L. Siracuse, Adam Jamnik, Amalie E. Nash, **Karas SG**. "Outcomes after Distal Biceps Repairs with Allografts" Clinical Orthopedic Society Annual Meeting. New Orleans, LA. September 6-9, 2023. (Poster)

81. Sameer R. Khawaja, Brianna L. Siracuse, Adam Jamnik, Amalie E. Nash, **Karas SG**. "Outcomes after Distal Biceps Repairs with Allografts" American Association for Hand Surgery Annual Meeting. January 9-13, 2024. (Poster)

b. **Regional:**

1. Creighton A, Demorat GJ, **Karas SG**. "Shoulder capsule volumetric change after arthroscopic capsular plication and thermal capsulorrhaphy: A Cadaveric Model". Southern Orthopaedic Association 18th Annual Meeting, Coeur d'Alene, ID; July 19, 2001.

2. Patel NP, Weinhold P, **Karas SG**. "Braiding does not affect the tensile properties of quadrupled tendon ACL grafts". North Carolina Orthopaedic Association Annual Meeting, Asheville, NC. October 6, 2002.

3. **Karas SG**, Creighton RA, Demorat GJ. "Evaluating Volume Reduction in Arthroscopic Shoulder Instability Surgery: A Comparison of Three Techniques". North Carolina Orthopaedic Association Annual Meeting, Asheville, NC. October 6, 2002.

4. **SG Karas**, IK Triantafillopoulos, M Maloney, WE Garrett, AJ Banes. "Effect of Anabolic Steroids on the Biomechanical and Matrix Remodeling Properties of Human Supraspinatus Bioartificial Tendons". South Carolina-North Carolina Orthopaedic Society Combined Meeting. Charelston, SC; September 7, 2003.

5. Spang JT, Weinhold PS, **Karas SG**. "Biomechanical Evaluation of Endobutton Distal Biceps Repair". North Carolina Orthopaedic Association Annual Meeting, Asheville, NC. October 10, 2004.

6. **Karas SG**. "Early Results of Reverse Total Shoulder Arthroplasty: The University of North

Carolina Experience". North Carolina Orthopaedic Association Annual Meeting, Asheville, NC. October 10, 2004.

7. **Karas SG**, Decker R, Hawkins RJ, Frankle M. Reverse Shoulder Prosthesis for the Management of Rotator Cuff Arthropathy (Poster). Eastern Orthopaedic Association Annual Meeting, Chesapeake, VA. October 8, 2005.

8. Distefano M, Decker R, Van Doren A, Prentice WE, Padua DA, **Karas SG**. "Gender Differences in Trunk and Hip Kinematics During a Cutting Task: A Comparison of Elite Soccer Athletes" (Poster). Eastern Orthopaedic Association Annual Meeting, Chesapeake, VA. October 8, 2005.

9. Decker R, Thigpen CA, Padua DA, **Karas SG**. A 3-Dimensional Analysis of Scapular Kinematics in Patients with Multidirectional Instability. Eastern Orthopaedic Association Annual Meeting, Chesapeake, VA. October 8, 2005.

10. Decker R, Spang JT, Weinhold PS, **Karas SG**. "Biomechanical Evaluation of Endobutton Distal Biceps Repair". Eastern Orthopaedic Association Annual Meeting, Chesapeake, VA. October 8, 2005.

11. **Karas SG**. Reverse Shoulder Prosthesis for the Management of Rotator Cuff Arthropathy. Georgia Orthopaedic Association Annual Meeting, Greensboro, GA. October 8, 2005.

12. **Karas SG**. "The Early US Experience of Reverse Total Shoulder Arthroplasty". Maine Orthopaedic Society Annual Meeting. Sugarloaf, ME; February 11, 2006.

13. **Karas SG**. "Reverse Total Shoulder Arthroplasty- Indications, Technique, and Outcomes". Iowa Orthopaedic Society Spring Meeting. Des Moines, Iowa; April 28, 2006.

14. Pendleton A, **Karas SG**. "Scapulothoracic Bursectomy and Superomedial Scapular Border Resection: Technique and Results". Eastern Orthopaedic Association Annual Meeting. Paradise Island, Bahamas; June 18, 2009.

15. Register B, Reich H, Pendleton AM, Terk M, **Karas SG**. "Reconstruction of Irreparable Rotator Cuff Tears with Human Dermal Allograft Matrix". Eastern Orthopaedic Association Annual Meeting. Paradise Island, Bahamas; June 18, 2009.

16. **Karas SG**. Treatment Algorithms for Massive Rotator Cuff Tear. Georgia Athletic Trainers Association Annual Meeting. Peachtree City, Georgia. January 16, 2010.

17. Hamilton S, Jackson E, **Karas SG**. "Effect of Sagittal Plane Drilling Angle on Femoral Tunnel Length in ACL Reconstruction" (Poster). Southern Orthopaedic Association Annual Meeting. Fajardo, Puerto Rico; June 16-19, 2010.

18. Hammond K, Register B, Terk M, **Karas SG**. "The Allograft Bridge Procedure for Irreparable Rotator Cuff Tear". Southern Orthopaedic Association Annual Meeting. Fajardo, Puerto Rico; June 17, 2010.

19. Hammond K, Dierckman B, Goldstein J, **Karas SG**. "Characterization of Medial Row Strain and Load to Failure in Dual Row Rotator Cuff Repair". Southern Orthopaedic Association Annual Meeting. Fajardo, Puerto Rico; June 17, 2010.

20. **Karas SG**, Brantley SP, Starr H. “Subacromial Hook Plating for Type II-B Clavicle Fracture and Acromioclavicular Separations”. Georgia Orthopaedic Society. Sea Island, GA; September 23, 2011.

27. **Research Focus:**
My research focuses on advancing shoulder and elbow surgery and orthopaedic sports medicine through clinical outcomes research, biomechanics, and surgical innovation. Areas of emphasis include rotator cuff repair and reconstruction, shoulder instability, arthroscopic techniques, implant development, biologic augmentation, and optimizing surgical outcomes and return to athletic activity.

28. **Grant Support:**
    a. **Active Support:**

        1. **Contracts:**
            i. “BioBrace – CSP-BB0003: A Prospective, Single-Blind, Multicenter, Randomized, Controlled, Pivotal Study to Evaluate the Safety and Effectiveness of the BioBrace® Implant During Arthroscopic Repair of Full-Thickness Rotator Cuff Tears.” Investigator Status: PI. Funding Source: CONMED (Industry). Agency Number: 2024P006802 / 76316. Award Type: Industry-sponsored clinical trial. Direct Costs: $85,842.63. Percent Effort: 1%. Project Dates: 04/05/2024 – 04/04/2029.

            ii. “SECURE: A Prospective, Multicenter, Concurrently Controlled Clinical Study of Chondro-Gide® Articular Cartilage Cover for the Treatment of Large Chondral Lesions in the Knee.” Investigator Status: PI. Funding Source: Telos Partners (Industry). Agency Number: STUDY00001185 / 59037. Award Type: Industry-sponsored clinical trial. Direct Costs: $28,880.73. Percent Effort: 1% Project Dates: 12/04/2020 – 12/03/2030.

        2. **Other:**
            i. “Smith & Nephew Fellowship Program Support”, Investigator Status: PI Source: Smith & Nephew (Industry), Agency Number: 91681, Title: Smith & Nephew Fellowship Program Support, Award Type: Fellowship Support, Direct Costs: $25,000.00, Percent Effort: 0%, Project Dates: 08/01/2026 – 07/31/2027.

    b. **Previous Support:**
        1. “Thermal Microdebridement for the Management of Lateral Epicondylitis.” Investigator Status: Principal Investigator (PI). Funding Source: ArthroCare Corporation. Award Type: Industry-sponsored, FDA multicenter clinical trial. Direct Costs: $30,000. Percent Effort: 1%. Project Dates: 2003–2005

        2. “Biomechanical Evaluation of Endobutton Distal Biceps Repair.” Investigator Status: Principal Investigator (PI). Funding Source: Smith & Nephew Orthopaedics. Award Type: Industry-sponsored research grant. Direct Costs: $10,000. Percent Effort: 1%. Project Dates: 2004

        3. “Biomechanical Testing of Fixation Methods for Biceps Tendon Repair.” Investigator Status: Co-Investigator. Funding Source: UNC Medical Alumni Endowment Fund. Award Type: Institutional research grant. Direct Costs: $2,000. Percent Effort: 1%. Project Dates: 2004

4. “Scapular Kinematic Patterns in Individuals with Glenohumeral Internal Rotation Deficit.” Investigator Status: Co-Investigator. Funding Source: Holderness Medical Fellowship Program. Award Type: Fellowship research grant. Direct Costs: $6,000. Percent Effort: 1%. Project Dates: 2004

5. “Outcomes of Dermal Allograft Matrix for Irreparable Rotator Cuff Tear.” Investigator Status: Principal Investigator (PI). Funding Source: Wright Medical. Award Type: Industry-sponsored research grant. Direct Costs: $15,000. Percent Effort: 1%. Project Dates: 2008-2009

6. “Biomechanical Evaluation of Locked Subacromial Hook Plating for Acromioclavicular Joint Reconstruction.” Investigator Status: Principal Investigator (PI). Funding Source: Synthes Corporation. Agency Number: Not specified. Award Type: Industry-sponsored research grant. Direct Costs: $37,000. Percent Effort: 1%. Project Dates: 2010

7. “Sports Medicine Fellowship Research Program.” Investigator Status: PI. Funding Source: Arthrex Corporation. Agency Number: Not specified. Award Type: Annual research grant. Direct Costs: $30,000 annually. Percent Effort: Not specified. Project Dates: 2013-2017

8. “Emory Sports Medicine and Shoulder Fellowship Program.” Investigator Status: PI. Funding Source: Encore Medical/DJO. Award Type: Annual fellowship program grant. Direct Costs: $85,000 annually. Percent Effort: 1%. Project Dates: 2009-2012.

9. “Safety and Efficacy of Microraptor Knotless RG in Shoulder Anterior and/or Posterior labral reconstructions”. Investigator status: PI. Funding source: industry – Smith and Nephew. Award type: clinical trial. Direct cost: $30,000. Percent Effort: 1%. 12/15/2020-12/14/2021.

10. “Prospective Multi-Center Post-Market Clinical Follow-up Study to Evaluate Safety and Performance of the MICRORAPTOR REGENESORB Suture Anchor, MICRORAPTOR Knotless REGENESORB Suture Anchor and MICRORAPTOR Knotless PEEK Suture Anchors”. Investigator status: PI. Funding source: industry – Smith and Nephew. Award type: clinical trial. Direct cost: $89,131.03. Percent Effort: 1%. 2/26/2021-2/25/2024.

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