

PROMOTION RECOMMENDATION
UNIVERSITY OF MICHIGAN
MEDICAL SCHOOL
DEPARTMENT OF ORTHOPAEDIC SURGERY

James E. Carpenter, M.D., associate professor of orthopaedic surgery, with tenure, Department of Orthopaedic Surgery, Medical School, is recommended for promotion to professor of orthopaedic surgery, with tenure, Department of Orthopaedic Surgery, Medical School.

Academic Degrees:

M.D.	1984	University of Michigan
B.S.	1980	Cornell University

Professional Record:

2000-present	Associate Professor of Orthopaedic Surgery, University of Michigan
1998-2000	Associate Professor of Surgery, Section of Orthopaedic Surgery, University of Michigan
1993-1998	Assistant Professor of Surgery, University of Michigan
1990-1993	Instructor, Department of Surgery, University of Michigan

Summary of Evaluation:

Teaching: Dr. Carpenter has provided excellent instruction in the orthopaedic field at the local and national levels. Locally, he teaches residents and fellows in the clinic and operating room and lectures in the department's series on sports medicine and shoulder surgery. In 2000, he was awarded the William S. Smith Teaching Award by orthopaedic residents. He has also provided mentorship to international fellows in sports medicine and to athletic training students in his capacity as head team physician. Nationally, he was a member of the education committee of the American Orthopaedic Society for Sports Medicine and served as its chair from 2002 to 2005. He played a critical role in outlining a curriculum for orthopaedic sports medicine which led to specialty certification. He is on the board of directors of the American Board of Orthopaedic Surgery. In this capacity, he is active in the specialty's written and oral exams. He has organized and presented a number of national courses on sports medicine and shoulder surgery.

Research: Dr. Carpenter's research is in the field of shoulder surgery, injuries, and biomechanics. Over the course of his career he has garnered grant support primarily from local and foundation sources. He has 47 peer-reviewed publications and 11 book chapters. Remarkably, he has won four research awards from the leading orthopaedic and sports medicine organizations: the Charles Neer Award from the American Society of Shoulder and Elbow Surgeons, the Jack Hughston Award, the Excellence in Research Award, and the O'Donoghue Sports Injury Research Award from the American Orthopaedic Society for Sports Medicine. In addition, several reviewers point to the impact his studies have had on the understanding and treatment of shoulder injuries. Dr. Carpenter is on the editorial board of the *American Journal of*

Sports Medicine and serves as a reviewer for four other specialty journals. He has been a visiting professor and invited speaker at numerous venues throughout the country.

Recent and Significant Publications:

Miller BS, Kohen RB, Downie BK, Kijek T, Lesniak B, Skendzel J, Jacobson JA, Carpenter JE: When do rotator cuff repairs fail? Serial ultrasound examination after arthroscopic repair of large and massive rotator cuff tears. *American Journal of Sports Medicine*, in press.

Schilling PL, Hallstrom BR, Birkmeyer JD, Carpenter JE: Prioritizing perioperative quality improvement in orthopaedic surgery. *J Bone Joint Surg Am* 4:1884-1889, 2010.

Gatti CJ, Maratt JD, Palmer ML, Hughes RE, Carpenter JE: Development and validation of a finite element model of the superior glenoid labrum. *Annals of Biomedical Engineering* 38:3766-3776, 2010.

Bernas GA, Ruberte Thiele RA, Kinnaman KA, Hughes RE, Miller BS, Carpenter JE: Defining safe rehabilitation for ulnar collateral ligament reconstruction of the elbow: a biomechanical study. *American Journal of Sports Medicine* 37:2392-2400, 2009.

Scibek, JS, Mell AG, Downie BK, Carpenter JE, Hughes RE: Shoulder kinematics in patients with full thickness rotator cuff tears following a subacromial injection. *Journal of Shoulder and Elbow Surgery* 17:172-181, 2008.

Service: Dr. Carpenter has made extraordinary service contributions to the University of Michigan. He has been chair of Orthopaedic Surgery since 2003. During this time he has expanded their residency program and recruited outstanding faculty members. Since Orthopaedic Surgery had been a department for only two years when Dr. Carpenter took over, he played a key role in establishing the department's financial, clinical, and academic policies and procedures. Dr. Carpenter has also been active in the Faculty Group Practice, serving as vice-chair of the Budget and Finance Committee. He has been instrumental in the Health System's creation of a multidisciplinary musculoskeletal program which includes participation across nine clinical departments. Dr. Carpenter has served since 2001 as head team physician and director of Surgical Services for the University of Michigan Athletic Department. In addition to providing service on nights and weekends and traveling with the football team, it involves overseeing the health care team, including other physicians, athletic trainers, and specialty consultants. Nationally, Dr. Carpenter is involved in specialty organizations, primarily the American Orthopaedic Society for Sports Medicine. He has served on a number of committees for that organization and made key contributions to the education committee, serving as chair from 2002-2005. In 2010 he was elected to a 10-year term on the American Board of Orthopaedic Surgery. This honor is given yearly to only two orthopaedic surgeons across the country. Dr. Carpenter is well regarded for his surgical skills and the clinical care he provides at the University of Michigan Health System.

External Review:

Reviewer A: “On a national level, Dr. Carpenter is involved in several orthopedic organizations. Most notably, he is on the Leadership Development Committee for the American Orthopedic Association and was just chosen as a member of the American Board of Orthopedic Surgery. This is a very significant distinction and only given to a very few orthopedic surgeons in the country.”

Reviewer B: “I believe that these [accomplishments] are truly remarkable recognizing his patient care and administrative responsibilities as a team physician, as well as the countless responsibilities associated with being a Department Chair of a major orthopaedic department.”

Reviewer C: “He is considered one of the foremost Orthopaedic Sports Medicine experts in the United States...It should be noted that the quality of Dr. Carpenter’s publications is outstanding, including award winning papers that have markedly advanced the field of Sports Medicine...His scholarly work has had a direct impact on the care we render to our patients with musculoskeletal injuries and conditions worldwide.”

Reviewer D: “He has a national and international reputation for his research in both sports medicine and shoulder injury...His academic work is very impressive and continues to gain national and international attention. His recent O’Donoghue Sports Injury Research Award for his study on ultrasound in rotator cuff tears will be a classic and will be a frequently quoted paper...It is simply amazing that he has been able to be a department chairman, a cutting edge researcher, a good teacher, and cover university athletics successfully. This takes a special individual and clearly Jim has proven to be up to the task.”

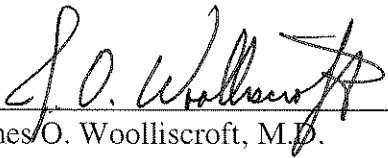
Reviewer E: “I would estimate him to be in the top 0.01% of academic surgeons in his field...He has made very many significant contributions to the understanding of the shoulder and understanding of sports medicine. He has made many significant contributions to the community in terms of leadership and education.”

Reviewer F: “He is noted for his clinical acumen, tremendous work ethic, and sense of fair play. Both residents and medical students regard him as a world-class mentor who is highly committed to the best in the educational process.”

Reviewer G: “Dr. Carpenter has had a significant impact on the area of shoulder and elbow disorders in orthopaedic surgery. This is evident not only in his impressive list of publications, four of which have been recognized as outstanding contributions...it is unusual to win even one award and the fact that Dr. Carpenter is a recipient of four awards speaks to the seminal nature of his work.”

Summary of Recommendation:

Dr. Carpenter is a nationally and internationally recognized orthopaedic surgeon in the area of sports medicine and disorders of the shoulder. In addition to serving as chair of the Department of Orthopaedic Surgery and head team physician at the University of Michigan, he has held a number of leadership positions in national orthopaedic specialty organizations. I enthusiastically recommend James E. Carpenter, M.D. for promotion to professor of orthopaedic surgery, with tenure, Department of Orthopaedic Surgery, Medical School.



James O. Woolliscroft, M.D.

Dean

Lyle C. Roll Professor of Medicine

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