



## Gary S. Fanton, MD

Clinical Professor, Orthopaedic Surgery

 Curriculum Vitae available Online

### CLINICAL OFFICE (PRIMARY)

- **Stanford Sports Medicine Clinic**

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### ACADEMIC CONTACT INFORMATION

- **Alternate Contact**

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## Bio

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### CLINICAL FOCUS

- Sports Medicine
- Rotator Cuff Repair
- Anterior Cruciate Ligament Repair
- Shoulder Instability
- Shoulder Arthroscopy
- Knee Arthroscopy
- Medical Implants and Devices
- Orthopaedic Sports Medicine

### ACADEMIC APPOINTMENTS

- Clinical Professor, Orthopaedic Surgery

### ADMINISTRATIVE APPOINTMENTS

- Associate Team Orthopedist, San Francisco 49er Professional Football, (1984-1998)
- Company Physician, Ballet San Jose of Silicon valley Professional Ballet Co., (1985- present)
- Head Team Orthopedist, Stanford University Football, (1992- present)
- Head Team Orthopedist, San Francisco Giants Professional Baseball, (2001-2004)
- Team Physician, San Francisco 49ers, (2007- present)

### HONORS AND AWARDS

- Academic Distinction, University of Michigan (1969-1973)
- Alpha Omega Alpha Medical Honor Society, Medical College of Wisconsin (1977)
- C.V. Mosby Medical Honors Award, Medical College of Wisconsin (1977)

## PROFESSIONAL EDUCATION

- Medical Education: Medical College Of Wisconsin (1977) WI
- Residency: Cleveland Clinic Foundation Hospital (1982) OH
- Internship: Cleveland Clinic Foundation Hospital (1978) OH
- Board Certification: Orthopaedic Surgery, American Board of Orthopaedic Surgery (1985)
- Fellowship: Kerlan Jobe Orthopaedic Clinic (1983) CA

## LINKS

- Get a Second Opinion: <https://stanfordhealthcare.org/second-opinion/overview.html>

## Research & Scholarship

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### CURRENT RESEARCH AND SCHOLARLY INTERESTS

Dr. Gary Fanton is the Chief of the Section of Sports Medicine at Stanford's Department of Orthopedic Surgery. His practice primarily involves the diagnostic evaluation and treatment of sports and trauma-related injuries of the upper extremity, knee, and ankle. He is Board Certified by the American Board of Orthopedic Surgery and is currently the Team Physician in Orthopedics for the San Francisco 49ers. Dr. Fanton's past experience includes positions as team orthopedist for the San Francisco Giants, company physician for the San Jose Ballet, head team orthopedist for Stanford University football and basketball, and team orthopedist for Stanford's additional 29 varsity sports. He co-founded the SOAR clinic where he was an active partner in private practice since 1983. He holds a B.S. degree from the University of Michigan and M.D. degree from the Medical College of Wisconsin.

Dr. Fanton's special interests include arthroscopic surgery of the knee and shoulder...specifically, injuries to the anterior cruciate ligament of the knee, cartilage injuries, rotator cuff tears, and shoulder instability. He has done extensive research on knee ligament tears, explored new techniques for shoulder stabilization and tendon repair, and he utilizes state-of-the-art surgical procedures to enhance rehabilitation and recovery after surgery. He is frequently asked to be a guest lecturer both nationally and internationally on these and other sports-medicine related topics. He has also authored dozens of articles on sports injuries and new surgical techniques.

Dr. Fanton was a co-founder and board member of Oratec Interventions, a medical device start-up for minimally invasive spine and joint procedures that went public in April, 2000, which was subsequently purchased by Smith-Nephew in 2002. He actively serves on the medical advisory board for several public and private surgical device companies in the Orthopedic industry and he continues to design and develop unique surgical devices for minimally invasive surgery. He has co-authored several device patents and has several others pending.

Dr. Fanton has been a member in good standing with the American Academy of Orthopedic surgeons since 1985 and he is a Diplomat of the American Board of Orthopedic Surgery. He is also member of the Orthopedic Research Society, NFL Team Physicians Society, the American Orthopedic Society of Sports Medicine, The International Knee Society, International Cartilage Repair Society, and a founding member of the International Musculoskeletal Laser Society.

## Publications

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### PUBLICATIONS

- **Deep-learning-assisted diagnosis for knee magnetic resonance imaging: Development and retrospective validation of MRNet.** *PLoS medicine*  
Bien, N., Rajpurkar, P., Ball, R. L., Irvin, J., Park, A., Jones, E., Bereket, M., Patel, B. N., Yeom, K. W., Shpanskaya, K., Halabi, S., Zucker, E., Fanton, et al

2018; 15 (11): e1002699

- **Viscoelastic Properties of Common Suture Material Used for Rotator Cuff Repair and Arthroscopic Procedures** *ARTHROSCOPY-THE JOURNAL OF ARTHROSCOPIC AND RELATED SURGERY*  
Hurwit, D., Fanton, G., Tella, M., Behn, A., Hunt, K. J.  
2014; 30 (11): 1406-1412
- **Novel drug product to improve joint motion and function and reduce pain after arthroscopic anterior cruciate ligament reconstruction** *ARTHROSCOPY-THE JOURNAL OF ARTHROSCOPIC AND RELATED SURGERY*  
Fanton, G. S., Dillingham, M. F., Wall, M. S., Gillenwater, G. E., Khan, A. M., Carver, T. J., Perkins, J. G., Demopoulos, G. A.  
2008; 24 (6): 625-636
- **Acute compartment syndrome of the thigh in a football athlete - A case report and the role of the vacuum-assisted wound closure dressing** *JOURNAL OF ORTHOPAEDIC TRAUMA*  
Lee, A. T., Fanton, G. S., McAdams, T. R.  
2005; 19 (10): 748-750
- **Postoperative epidural injection of saline can shorten postanesthesia care unit time for knee arthroscopy patients** *Feminist Theory and Music 4 Conference*  
Brock-Utne, J. G., Macario, A., Dillingham, M. F., Fanton, G. S.  
W B SAUNDERS CO-ELSEVIER INC.1998: 247-51
- **Patellar tendon graft harvesting using horizontal incisions for anterior cruciate ligament reconstruction** *ARTHROSCOPY*  
Mishra, A. K., Fanton, G. S., Dillingham, M. F., Carver, T. J.  
1995; 11 (6): 749-752
- **Viscoelastic properties of common suture material used for rotator cuff repair and arthroscopic procedures.** *Arthroscopy*  
Hurwit, D., Fanton, G., Tella, M., Behn, A., Hunt, K. J.  
2014; 30 (11): 1406-1412
- **Arthroscopic visualization and assisted excision of osteoid osteoma at the knee** *AMERICAN JOURNAL OF SPORTS MEDICINE*  
Abnoui, F., Saliman, J. D., Fanton, G. S.  
2008; 36 (2): 375-378
- **Anterior cruciate ligament reconstruction using cryopreserved allografts** *CLINICAL ORTHOPAEDICS AND RELATED RESEARCH*  
Indelli, P. F., Dillingham, M. F., Fanton, G. S., Schurman, D. J.  
2004: 268-275
- **Septic arthritis in postoperative anterior cruciate ligament reconstruction** *CLINICAL ORTHOPAEDICS AND RELATED RESEARCH*  
Indelli, P. F., Dillingham, M., Fanton, G., Schurman, D. J.  
2002: 182-188
- **Two-year outcome of arthroscopic bankart repair and electrothermal-assisted capsulorrhaphy for recurrent traumatic anterior shoulder instability** *19th Annual Meeting of the Arthroscopy-Association-of-North-America*  
Mishra, D. K., Fanton, G. S.  
W B SAUNDERS CO-ELSEVIER INC.2001: 844-49
- **Monopolar electrothermal arthroscopy for treatment of shoulder instability in the athlete** *OPERATIVE TECHNIQUES IN SPORTS MEDICINE*  
Fanton, G. S.  
2000; 8 (3): 242-249
- **Arthroscopic monopolar radiofrequency thermal stabilization for chronic lateral ankle instability: a preliminary report on 10 cases.** *journal of foot and ankle surgery : official publication of the American College of Foot and Ankle Surgeons*  
Oloff, L. M., Bocko, A. P., Fanton, G.  
2000; 39 (3): 144-153
- **Bilateral stress fractures of the anterior part of the tibial cortex - A case report** *JOURNAL OF BONE AND JOINT SURGERY-AMERICAN VOLUME*  
Bruckner, P., Fanton, G., Bergman, A. G., Beaulieu, C., Matheson, G. O.  
2000; 82A (2): 213-218

- **Arthroscopy of the calcaneocuboid and talonavicular joints.** *journal of foot and ankle surgery : official publication of the American College of Foot and Ankle Surgeons*  
OLOFF, L., Schulhofer, S. D., Fanton, G., Dillingham, M.  
1996; 35 (2): 101-108
- **Shoulder arthroscopy using the holmium:YAG laser system: State of the art 1994** *ORTHOPAED*  
Fanton, G. S.  
1996; 25 (1): 79-83
- **LATERAL RETINACULAR RELEASE - THE HOLMIUM-YAG LASER VERSUS ELECTROCAUTERY** *CLINICAL ORTHOPAEDICS AND RELATED RESEARCH*  
Shapiro, G. S., Fanton, G. S., Dillingham, M. F., PERKASH, R.  
1995: 42-47
- **HOLMIUM - YAG LASER EFFECTS ON ARTICULAR-CARTILAGE METABOLISM IN-VITRO** *Conference on Laser Surgery: Advanced Characterization, Therapeutics, and Systems IV*  
Smith, R. L., Montgomery, L., Fanton, G., Dillingham, M., Schurman, D. J.  
SPIE - INT SOC OPTICAL ENGINEERING.1994: 149-153
- **Reconstruction for recurrent dislocation of the proximal tibiofibular joint. A new technique.** *Orthopaedic review*  
Shapiro, G. S., Fanton, G. S., Dillingham, M. F.  
1993; 22 (11): 1229-1232
- **INTRAARTICULAR HEMANGIOMA OF THE KNEE** *ARTHROSCOPY*  
Shapiro, G. S., Fanton, G. S.  
1993; 9 (4): 464-466