

Curriculum Vitae

Gary S. Fanton, M.D.

Education

Undergraduate	University of Michigan Ann Arbor, Michigan Year of Graduation: 1973 Bachelor of Science: Zoology
Medical School	Medical College of Wisconsin Milwaukee, Wisconsin Year of Graduation: 1977 Degree: Doctor of Medicine

Professional Training

Internship	Rotating Surgical Intern Cleveland Clinic Cleveland, Ohio 1977 to 1978
Residency	Orthopedic Surgery Cleveland Clinic Cleveland, Ohio 1978 to 1982
	Orthopedic Surgery Saint Vincent Charity Hospital Cleveland, Ohio 1978 to 1982
	Chief Administrative Resident Saint Vincent Charity Hospital Cleveland, Ohio 1981 to 1982
Fellowship	Sports Medicine and Orthopedic Surgery National Athletic Health Institute Southwestern Orthopedic Medical Group (Kerlan and Jobe) Inglewood, California 1982 to 1983

Additional Education

1974	Preceptorship, Internal Medicine Mount Sinai Hospital Detroit, Michigan
1980	Prosthetics and Orthotics Northwestern University Chicago, Illinois
1982	Prosthetics and Orthotics University of Texas Southwestern Medical School Dallas, Texas
1981	Pediatric Orthopedic International Seminars

Board Certification

- National Board of Medical Examiners Certification #180842, 1978
- Diplomat, American Board of Orthopedic Surgery (Board Certified, 1985)
- Fellow, American Academy of Orthopedic Surgeons, 1984

Medical Licensure

- State of Ohio, July 1, 1978, License #43173, DEA #AF9690315
- State of California, July 31, 1983, License #G45737, DEA # AF1655527
- State of California, Certified X-ray Supervisor and Operator Certificate #122082

Honors

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

Affiliations

- Member, Cleveland Academy of Medicine, 1977 to 1982
- Member, Ohio State Medical Association, 1977 to 1982
- Member, American College of Physicians, 1981 to Present
- Member, American Medical Association, 1980 to Present
- Member, American Orthopedic Society for Sports Medicine, 1984 to Present
- Member, Santa Clara County Medical Society, 1983 to Present
- Member, Orthopedic Research Society, 1982 to Present
- Member, California Medical Association, 1983 to Present
- Member, Robert E. Kerlan Fellowship Society, 1983 to Present
- Member, Syntex Speakers Bureau, 1983 to Present
- Member, San Mateo County Medical Society, 1985 to Present
- Member, American Academy of Orthopedic Surgeons - Diplomat, 1985 to Present
- Member, Bay Area Foot and Ankle Society, 1985 to Present
- Member, California Orthopedic Association, 1987 to Present
- Member, American Congress of Rehabilitation Medicine, 1989 to Present
- Member, American Society for Laser Medicine and Surgery, 1990 to Present
- Member, Western Orthopedic Association, 1992 to Present

Previous Appointments

- Trauma Physician, University of Vermont, Sugarbush Valley Ski Area, 1981
- Team Physician/Orthopedist, Solon High School, 1977 to 1982

-
- Associate Clinical Instructor, Lake Erie College, Physician Assistant Program, 1979 to 1982
 - Team Physician/Orthopedist, Revco Cleveland Marathon, 1980 to 1982
 - Team Physician/Orthopedist, Homestead High School, 1984 to 1986
 - Assistant Team Physician, Cleveland Force Professional Soccer Team, 1978 to 1982
 - Assistant Team Physician, Cleveland State University, Basketball/Wrestling, 1978 to 1982
 - Assistant Team Physician, Los Angeles Lasers Professional Soccer Team, 1982
 - Assistant Team Physician, Los Angeles Rams Professional Football Team, 1982
 - Physician in Attendance, Cleveland Professional Ballet Company, 1978 to 1982
 - Physician in Attendance, Los Angeles Dodgers Professional Baseball Team, 1982
 - Assistant Team Physician, Loyola College Athletic Program, 1982 to 1983
 - Assistant Team Physician, Los Angeles Express Professional Football Team, 1982 to 1983
 - Team Physician, Canada College, 1983 to 1986
 - Team Physician/Orthopedist, Menlo College, 1983 to 1987
 - Team Physician, Menlo High School - Football, 1983 to 1987
 - Team Orthopedic Surgeon, Woodside High School, 1983 to 1987
 - Physician in Attendance, US Open Golf Tournament, Olympic Club, 1987
 - Team Orthopedic Surgeon, Menlo Atherton High School, 1983 to 1988
 - Team Physician/Orthopedist, San Mateo Outlaws Semi-Professional Football Team, 1985 to 1989

-
- Team Physician/Orthopedist, College of San Mateo (All Sports), 1985 to 1989
 - Team Physician/Orthopedist, San Jose Golddiggers Professional Volleyball Team, 1986 to 1989
 - Associate Team Physician, Canada College, 1986 to 1989
 - Team Orthopedic Surgeon, San Mateo High School, 1986 to 1989
 - Associate Team Physician, Menlo College, 1987 to 1989
 - Associate and Head Team Physician, Monta Vista High School, 1983 to 1985
 - Physician/Consultant, NORCAL Winners Football Camp, 1984 to 1986
 - Team Physician, San Mateo County North - South All-Star Football, South Team Physician, 1985 to 1990
 - Team Physician/Orthopedist, U.S. Grand Prix Motorcycle Racing Association, Team Roberts, Orthopedic Surgeon, 1985 to 1991
 - Orthopedic Consultant, San Francisco Giants Professional Baseball 1996-2000
 - Head Team Physician/Orthopedist, U.S.A/VISA Decathlon Team, 1994 to 2000
 - Team Physician/Orthopedist, East - West Shrine Football, East Team Physician, 1989 to 2000

Current Appointments

- Head Team Physician/Orthopedist, San Francisco Giants Professional Baseball, 2001 to Present
- Associate Team Physician/Orthopedist, San Francisco 49er Professional Football, 1984 to Present
- Head Team Physician/Orthopedist, Stanford University Football, 1992 to Present
- Company Physician/Orthopedist, Ballet San Jose of Silicon Valley Professional Ballet Company, 1985 to Present

- Associate and Head Team Physician/Orthopedist, DeAnza College (All Sports), 1985 to Present
- Associate and Head Team Physician/Orthopedist, Foothill College (All Sports), 1988 to Present

Medical Staff Appointments

- Stanford University Hospital, Stanford, Clinical Professor of Orthopaedic Surgery, Chief Sports Medicine Service, December 1, 2004-present.
- Stanford University Hospital, Stanford, Adjunct Clinical Associate Professor, in the Department of Orthopedic Surgery, Sept 1, 2003.
- Stanford University Hospital, Stanford, Clinical Assistant Professor, 1983-2003.
- Sequoia Hospital, Redwood City, Active Staff 1983-1992
- Sequoia Hospital, Redwood City, Courtesy Staff, 1993 to Present
- Sports, Orthopedic and Rehabilitation Medicine Associates, Menlo Park, Senior Partner, 1984 to Present
- El Camino Hospital, Courtesy Staff, 1985 to 1994
- Sequoia Hospital, Redwood City, Secretary - Section Orthopedic Surgery, 1985 to 1987
- Sequoia Hospital, Redwood City, Chairman - Section Orthopedic Surgery, 1987 to 1989
- Sequoia Hospital, Redwood City, Member, Executive Committee, 1987 to 1991
- Sequoia Hospital, Redwood City, Member, Laser Committee

Presentations

- 1) Annual Meeting of the Orthopedic Research Society, Anaheim, California, March 1983:

Presentation: Meniscofluoresis: An Aid in Determining Prognosis of Meniscal Tears

-
- 2) Third Congress of the International Society of the Knee, Gleneagles, Scotland, April 1983:

Presentation: Meniscofluoresis: An Aid in Determining Prognosis of Meniscal Tears
 - 3) Continuing Medical Education Course in Sports Medicine for Nurses, San Francisco, California, September 1983:

Presentation: Upper Extremity Injuries and Biomechanics in Sports
 - 4) Bay Area Athletic Trainers Monthly Meeting (NATA), San Jose, California, November, 1983:

Presentation: Biomechanics of Throwing
 - 5) American Physical Therapy Association District Meeting, San Francisco, California, January, 1984:

Presentation: Foot and Ankle Injuries
 - 6) American Physical Therapy Association District Meeting, Stanford, California, March, 1984:

Presentation: Evaluation of the Knee from a Physician's Perspective
 - 7) Stanford Sports Medicine Symposium for Nurses and Allied Health Care Personnel, Stanford, California, May, 1984:

Presentation: The Juvenile in Sports Health Issues in Football, Baseball, Soccer, and Skiing
 - 8) Orthopedic Update Series, Sequoia Hospital, Redwood City, California, May 1984:

Presentation: Arthroscopy and Arthrotomy - Knee and Shoulder
 - 9) San Francisco Visiting Nurse Association, San Francisco, California, June, 1984:

Presentation: Shoulder Disorder in the Elderly

-
- 10) District Meeting Northern California Chapter of National Athletic Trainers Association, San Jose, California, July, 1984:
Presentation: Throwing Injuries of the Elbow: Anatomy, Biomechanics, and Injury
 - 11) Guest Panel, KCSM Radio, San Mateo, California, July 1984:
Presentation: Sports Injuries
 - 12) Annual Coaches Seminar, SOAR, Menlo Park, California, August, 1984 to 1987:
Presentation: Emergency Management of High School Football Injuries
 - 13) Northern California Association of Occupational Health Nurses, San Francisco, California, February, 1986:
Presentation: Upper and Lower Extremity Injuries
 - 14) Ford Aerospace, Palo Alto, California, June, 1986:
Presentation: Sports Medicine: Injury Prevention and Treatment
 - 15) Cypress Foundation 3rd Annual Meeting, Monterey, California, December, 1986:
Presentation: Preparation Evaluation in Sports
 - 16) Bay Area Orthopedic Surgeon Foot and Ankle Society, San Francisco, California (co-author), September, 1986:
Presentation: Ankle Arthroscopy
 - 17) California Association of Little League Coaches, San Mateo, California, April, 1988:
Presentation: Upper Extremity Injuries in Adolescent Baseball Players
 - 18) Aggressive Non-Surgical Rehabilitation of Lumbar Spine and Sports Injuries, San Francisco, California, March, 1989:
Presentation: Upper Extremity Brace and Orthotics

Knee Rehabilitation After Anterior Cruciate
Ligament Surgery

- 19) West Valley College ATC Training Program, Saratoga, California, May, 1989:

Presentation: Shoulder Impingement and Rotator Cuff Injuries
- 20) Lawrence F. Gordon Guest Lecturer, Honolulu, Hawaii, June, 1989:

Presentation: Knee Rehabilitation After Anterior Cruciate Ligament Injury
- 21) Hawaiian Orthopedic Association, Honolulu, Hawaii, June, 1989:

Presentation: Shoulder Arthroscopy for Impingement Syndrome
- 22) Pacific Coast Seminars: R.K. Davies Center, San Francisco, California, September, 1989:

Presentation: Anterior Cruciate Ligament Injuries and Rehabilitation
- 23) The Injured Worker Dilemma: Definitive Solutions, San Francisco, California, September, 1989:

Presentation: Upper Extremity Injuries: Diagnosis and Treatment
- 24) Tahoe Fracture Clinic - Knee and Shoulder Update, Stateline, Nevada, December, 1989:

Presentation: Arthroscopy for Rotator Cuff Disease and Impingement Syndrome
- 25) American Orthopedic Society for Sports Medicine, New Orleans, Louisiana, February, 1990:

Presentation: Primary Capsulo-Ligamentous Reconstruction of the Ulnar Collateral Ligament of the Elbow for Chronic Valgus Laxity in Athletes

-
- 26) Coherent Symposium, Sheraton Hotel, New Orleans, Louisiana, February, 1990:
Presentation: New Techniques in Orthopedic Surgery:
Holmium:YAG and CO2 Laser Arthroscopy
- 27) Pan Pacific Surgical Association, Orthopaedic Section, 1990 Congress, Waikoloa, Hawaii, February, 1990:
Presentation: Use of the Ho:YAG Laser in Knee Arthroscopy
- 28) Coherent Medical Group, Palm Springs, California, March, 1990:
Presentation: Hands on Workshop in Arthroscopic Laser Surgery: Holmium and CO2 Lasers
- 29) 9th Annual Meeting of the Arthroscopy Association of North America, Orlando, Florida, April, 1990:
Presentation: The Use of the Ho:YAG Laser in Operative Knee Arthroscopy: A Double Blind Prospective Study Using a New Arthroscopically Guided Laser System
- 30) West Valley College, Saratoga, California, May, 1990:
Presentation: Shoulder Injuries and Arthroscopic Surgery
- 31) Coherent Medical Group, South Lake Tahoe, California, July, 1990:
Presentation: Clinical Indications for Holmium Laser in Arthroscopy, Laser Arthroscopy Training, CO2 and Holmium
- 32) The New Zealand Orthopaedic Association 40th Annual Scientific Meeting, Napier, New Zealand, October, 1990:
Presentation: Arthroscopic Use of the Holmium:Yag Laser
- 33) Tahoe Fracture Clinic, South Lake Tahoe, California, December, 1990:
Presentation: Post Injury and Post Operative Shoulder Rehabilitation

-
- 34) American Academy of Orthopedic Surgeons Fifty-Eighth Annual Meeting, Anaheim, California, March, 1991:
Presentation: The Use of Holmium Laser in Knee Arthroscopy
- 35) Coherent Medical Group, Denver, Colorado, April, 1991:
Presentation: Clinical Applications in the Use of the Holmium:Yag Laser
- 36) International Knee Society combined with the International Arthroscopy Association, Toronto, Canada, May, 1991:
Presentation: The Use of the Holmium:Yag Laser in Operative Knee Arthroscopy: A Double Blind Prospective Study Using a New Arthroscopically Guided Laser System
- 37) Stanford University Nursing Course, Stanford, California, June, 1991:
Presentation: Clinical Application in the Use of the Holmium:Yag Laser
- 38) Far West Athletic Trainers Association, San Jose, California, June, 1991:
Presentation: Shoulder Rehabilitation
- 39) Samaritan Oaks Healthcare Center, Los Gatos, California, July, 1991:
Presentation: Arthroscopic Surgery with the Holmium:Yag Laser
- 40) First International Symposium Lasers in Orthopedic Surgery, San Francisco, California, September, 1991:
Presentation: Use of the Holmium:Yag Laser in Shoulder Arthroscopy
- 41) California Pacific Medical Center, San Francisco, California, September, 1991:
Presentation: Hands-On Arthroscopy Workshop

- 42) Santa Clara Valley Orthopedic Club, Santa Clara, California, September, 1991:

Presentation: Laser Arthroscopic Surgery
- 43) Laser Instructional Course, Tempe, Arizona, December, 1991

Presentation: Hands-On Arthroscopy Workshop
- 44) Oakland Surgery Center, Oakland, California, January, 1992

Presentation: Hands-On Laser Arthroscopy Workshop
- 45) Stanford Orthopedic Disputation, (co-author), Stanford, California, June 1992:

Presentation: Quantitative Cartilage Neogenesis in Response to Holmium YAG Laser Radiation
- 46) National Football League Physicians Society Conference, San Francisco, California, June 1992:

Presentation: Management of Shoulder Instability
- 47) 9th Annual Arthroscopic Surgery of the Shoulder Meeting, San Diego, California, June 1992:

Presentation: Shoulder Rehabilitation
- 48) Sports and Spine Medicine: A Pre-AAPM&R Intensive Course, San Francisco, California, November 1992:

Presentation: Differential Diagnosis of Athletic Knee Pain
- 49) Coherent Japan, Inc., Tokyo, Japan, December 1992:

Presentation: The Use of Holmium Lasers in Arthroscopic
- 50) Stanford University Hospital, Stanford, California, February 1993:

Presentation: Management of Shoulder Problems -Emphasis Use of MRIs
- 51) AOSSM/JOSSM Laser Arthroscopy Course, Kapalua, Maui, March 1993:

Presentation: Indications for Use of Lasers in Arthroscopy

- 52) Japan Orthopedic Society for Sports Medicine, Miyazaki, Japan,
July 1993:

Presentation: The Use of the Holmium Laser in Peripheral
Joint Arthroscopy: A Five Year Clinical
Experience

- 53) The First Yokohama Forum of Orthopedic Sports Medicine,
Yokohama, Japan, July 1993:

Presentation: The Use of the Holmium Laser in
Arthroscopic Surgery

- 54) Current Issues of Magnetic Resonance Imaging in Orthopaedics and
Sports Medicine, San Francisco, California, September 1993:

Presentation: Diagnosis and Surgical Treatment of Shoulder
Impingement

- 55) American Academy of Orthopedic Surgeons Annual Meeting,
New Orleans, Louisiana, February 1994:

Presentation: Recent Advances in Laser Surgery

- 56) Arthroscopy Association of North America Annual Meeting,
Orlando, Florida, April 1994:

Presentation: 1) Use of the Holmium Lasers in Knee
Arthroscopy
2) Advanced Laser Techniques in Shoulder
Surgery

- 57) Stanford Post-Graduate Radiology Course, Ritz Carlton Hotel,
San Francisco, California, May 1994:

Presentation: 1) Knee Arthroscopy and MRI
Correlation
2) Shoulder Arthroscopy and MRI
Correlation

- 58) Balgrist International Laser Symposium, Zurich, Switzerland,
May 1994:

Presentation: 1) Laser-Assisted Capsular Shift and New Techniques and Pilot Study for Treatment of Multidirectional Instability

- 59) American Orthopedic Society for Sports Medicine 20th Annual Meeting, Marriott's Desert Springs, Palm Desert, California, June 1994:

Presentation: Treatment of Glenohumeral Instability by Holmium Laser-Assisted Capsular Shift

- 60) 1st Annual Meeting of the International Musculoskeletal Laser Society, Neuchatel, Switzerland, September 1994:

Presentation: Holmium Laser Shoulder Arthroscopy - A Clinical Update Moderator: Shoulder Laser Arthroscopy Program Surgical Dissection Laboratory

- 61) Third Annual Current Issues of Magnetic Resonance Imaging in Orthopaedics and Sports Medicine Symposium, Sheraton Palace Hotel, San Francisco, California, September 1994:

Presentation: 1) Diagnosis and Surgical Treatment of Shoulder Impingement
2) Shoulder Anatomy Dissection

- 62) Health Matters Program, Stanford University, Television Broadcast (Aired KTEH-TV, Channel 54 and KRON-TV, Channel 4), San Jose, California, October 1994:

Presentation: Good News for Sore Shoulders

- 63) 2nd Annual Meeting of the Physiatric Association of Spine, Sports and Occupational Rehabilitation (PASSOR), Anaheim Hilton & Towers, Anaheim, California, October 1994:

Presentation: Shoulder Arthroscopy Clinical Indications and Treatment

- 64) VISA Gold Medal Athlete Program, Loews Annapolis Hotel, Annapolis, Maryland, October 1994:

- 65) SOAR/NovaCare Seminar, Arrillaga Sports Center, Stanford, California, November, 1994:

Presentation: Recent Advances in Shoulder Surgery

- 66) The Surgery Center Medical Group, Oakland, California,
November, 1994:

Presentation: Shoulder Laser Capsulorrhaphy Procedures

- 67) David Grant Medical Center/Tahoe Medical Symposium, Lakeside Inn
Conference Center, Stateline, Nevada, February 1995:

Presentation: Shoulder Sports Injuries

- 68) Coherent, American Academy of Orthopaedic Surgeons, Orlando, Florida,
February, 1995:

Presentation: L.A.C.S. Procedure

- 69) First Annual Sports Medical Update, The Hospital for Special Surgery in
New York, New York, May, 1995:

Presentation: The L.A.C.S. Procedure for Shoulder Instability

- 70) California College of Podiatric Medicine, Las Vegas, Nevada, May, 1995:

Presentation: Ankle Arthroscopy

- 71) Grand Rounds, Stanford University Hospital, Department of Sports
Medicine, May 1995:

Presentation: Surgery of Elbow and Arthroscopy of the Ankle
and Foot

- 72) Zurich Balgrist Course Second International Laser Symposium,
August 24-25, 1995:

Presentation: Laser Arthroscopy of Shoulder and Knee

- 73) 4th Annual Current Issues of Magnetic Resonance Imaging in
Orthopaedics and Sports Medicine, September 6-9, 1995:

Presentation: Diagnosis & Surgical Treatment of Impingement
Syndrome

- 74) 1995 Annual Meeting of the American Society of Anesthesiologists,
Atlanta, Georgia, October 21-25, 1995:

Presentation: Postoperative Epidural Injection of Saline Hastens
Time Ready for Discharge in Patients Undergoing
Elective Knee Arthroscopy

- 75) XXII Fremap International Symposium of Traumatology-Orthopaedics,
Madrid, Spain, November 23-25, 1995:

Presentation: Shoulder Arthroscopy with HO Laser
Arthroscopy of Peri-Labral Cysts of the

Shoulder

- 76) 81st Scientific Assembly & Annual Meeting of the Radiological Society
of North America, November 26-December 1, 1995:

Presentation: MR Virtual Arthroscopy

- 77) Arthroscopic Surgery Seminar 1996. Scottsdale, Arizona,
January 14-18, 1996.

Presentation: Arthroscopic Reconstruction for Shoulder Instability

- 78) American Orthopaedic Society for Sports Medicine, Orlando, Florida,
June 15-19, 1996

Presentation- Hayashi: PACU Stay is Shortened by Postoperative
Epidural Injection of Saline

- 79) Stanford Podiatric Surgical Section's 1st Annual Seminar,
Stanford, California/ Hawaii-2nd session, June 28-30, 1996.

Presentation: The Present Role of Ankle Arthroscopy

- 80) 5th Annual Current Issues of Magnetic Resonance Imaging in
Orthopaedics and Sports Medicine, San Francisco, California, September
4-7, 1996.

Presentation: The Shoulder: Controversies in Shoulder Diagnosis
and Treatment

- 81) Tahoe Knee & Shoulder Update 1996, Lake Tahoe, Nevada,
December 5-8, 1996

Presentation: Laser Applications in Knee Arthroscopy
Lab Workshop

- 82) American Academy of Orthopaedic Surgeons 43rd Annual Meeting, San Francisco, California, February 13-17, 1997.

Presentation: Cadaver Workshop-Thermal Stabilization

Presentations

- 83) Arthroscopy Association of North America, 16th Annual Meeting, San Diego, California, April 23-26, 1997.

Presentation: Workshop-Thermal

- 84) Sports Medicine 1997: An NFL Perspective, Grand Hyatt, San Francisco, California, May 9-11, 1997.

Presentation:

1. Use of Thermal Energy in Shoulder Instability
2. Osteitis Pubis
3. Osteitis Pubis -abstract presented

- 85) 6th Annual Current Issues of Magnetic Resonance Imaging in Orthopaedics and Sports Medicine, Ritz-Carlton, San Francisco, California, September 3-6, 1997.

Presentation: Controversies in Shoulder Diagnosis and Treatment
Shoulder Panel Discussion
Workshop- Shoulder Surgical Dissection Lab

- 86) Australian Orthopaedic Association, 57th Annual Scientific Meeting, National Convention Centre, Canberra, Australia, October 12-17, 1997.

Presentation: Thermally Assisted Capsule Shift Procedure for Shoulder Instability

- 87) The American College of Veterinary Surgeons, 32nd Annual scientific Meeting, Orlando, Florida, October 19, 1997.

Presentation: Markel: The Effect of Radiofrequency Energy on Joint Capsular Tissue

- 88) Stanford University Division of Sports Medicine, Textbook of Science and Medicine in Sport, Human Biology Course, March 2, 1998.

Presentation: Injuries of the Shoulder

- 89) AAOS, 65th Annual Meeting New Orleans

March 1998

Presentation: Markel : Post-Surgical Evaluation of the
Laser-Assisted Capsular Shift
Procedure for Glenohumeral Instability

- 90) Orthopaedic Research Society, 44th Annual Meeting, New Orleans,
March 17, 1998

Presentation: Hayashi: The Long-Term Effect of Laser Energy on
Joint Capsular Tissue

- 91) Orthopaedic Research Society, 44th Annual Meeting, New Orleans,
March 19, 1998

Presentation: Hayashi: Mechanism of Joint Capsular Tissue
Shrinkage by Laser Energy

- 92) AAOS, 65th Annual Meeting, New Orleans, Louisiana
March 20, 1998

Presentation: Mark Markel: A Follow-up Histologic Study
of the Laser-Assisted Capsular Shift Procedure for
Glenohumeral Instability

- 93) Treatment and Rehabilitation of the Arthritis Patient, Hyatt Regency
San Francisco, California, May 16, 1998

Presentation: Cartilage Replacement Surgery

- 94) American Orthopaedic Society for Sports Medicine, Vancouver,
British Columbia, Canada, July 13, 1998

Presentation: Mark Markel: Post-Surgical Histologic Evaluation
of the Laser-Assisted Capsular Shift Procedure for
Glenohumeral Instability Anterior Shoulder
Instability

- 95) 7th Annual Current Issues in Magnetic Resonance of Orthopaedics and
Sports Medicine, San Francisco, California, September 9, 1998

Presentation: Shoulder Surgical Dissection Laboratory and

Workshop

- 96) Sports Medicine Current Concepts: Shoulder and Knee Seminar
Coeur D'Alene, Idaho, September 25, 1998
- Presentation: Capsule Tissue Shrinkable Techniques Laser
and Radiofrequency
- 97) 7th International Congress on Surgery of The Shoulder, Sydney, Australia
October 7, 1998
- Presentation: Thermally Assisted Capsule Shift Procedure
for Shoulder Instability

Presentations

- 98) Grand Rounds, University of California at Los Angeles, Los Angeles,
California, October 31, 1998
- Presentation: Capsular Shrinkage for Multidirectional Instability
- 99) Sixth Annual Meeting of the Physiatric Association of Spine, Sports and
Occupational Rehabilitation, American Academy of Physical Medicine &
Rehabilitation 1998 Annual Assembly, Seattle, Washington
November 8, 1998
- Presentations:
- 1) Current Concepts in Sports Medicine: The
Throwing Athlete
 - 2) Superior Labral Lesions in the Shoulder: Patho-
anatomy and Surgical Management
- 100) Arthroscopy and Reconstructive Surgery 1999, Robert W. Metcalf, M.D.
Memorial Seminar, Sun Valley, Idaho, January 11, 1999
- Presentations:
- 1) Indications, Techniques and Results of Thermal
Capsulorrhaphy for Shoulder Instability
 - 2) Future Uses for Thermal Shrinkage of Tissues
- 101) The 66th Annual Meeting, American Academy of Orthopaedic Surgeons

Anaheim, California, February 7, 1999

Presentation: Thermal History – Shoulder and Ankle

- 102) Stanford University School of Medicine, Class #260, Sports Medicine, Stanford, California, March 1, 1999

Presentation: Traumatic Injuries to the Shoulder

- 103) Advanced Ankle and Subtalar Arthroscopy Seminar, Arthroscopy Association of North America Annual Meeting, April 16, 1999

Presentation: Arthroscopic Monopolar Radiofrequency Stabilization for Chronic Lateral Ankle Instability

- 104) International Society of Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine Biennial Meeting, May 30, 1999

Presentation: Thermal Energy in Arthroscopy

Presentations

- 105) The 8th Annual Current Issues of Magnetic Resonance Imaging in Orthopaedics and Sports Medicine, San Francisco, California, August 29, 1999

Presentation: Shoulder Surgical Dissection Laboratory

- 106) New Advances in ElectroThermal Arthroscopy, Arthroscopy Association of North America, San Diego, California, November 19, 1999

Presentation: Electrothermal Applications in the Ankle

- 107) The 25th Annual Japan Arthroscopy Association Meeting, Nippon Kyo-iku Kaikan, Tokyo, Japan, December 4, 1999.

Presentation: The Thermal Treatment of Shoulder Instability- Dialing Up a New Arthroscopic Procedures for Overhead Athletes

- 108) Arthroscopy Association of North America Annual Meeting, Miami, Florida, April 13–16, 2000.

Presentation: Applications of Thermal Energy in Arthroscopic Surgery.

- 109) Stanford University School of Medicine, Class #260, Sports Medicine, Stanford, California, February 15, 2001

Presentation: Knee Injuries

- 110) American Academy of Orthopaedic Surgeons, 68th Annual Meeting, San Francisco, California, February 28 – March 4, 2001.

Presentation: Two Year Outcome of Arthroscopic Bankart Repair and Electrothermal Assisted Capsulorrhaphy for Recurrent Traumatic Anterior Shoulder Instability

- 111) Southern Orthopaedic Association/ Hughston Sports Medicine Foundation. Current Concepts: Expanded Indications For Thermal Treatment And Management Of Golfing Injuries. Pinehurst, North Carolina, March 30-31, 2001.

Presentation: Thermal Capsulorrhaphy; Concepts and Techniques

- 112) Arthroscopy Association of North America, 20th Annual Meeting. Seattle, Washington, April 20, 2001.

Presentation: Controversial Topics in Shoulder Arthroscopy

- 113) 5th Annual Robert K. Kerlan, M.D. Memorial Lectureship. University of Southern California Department of Orthopaedic Surgery. Los Angeles, California, September 27-28, 2001.

Presentation: Management of Isolated Articular Cartilage Defects in Athletes
Management of Ankle Injuries in Athletes

- 114) Grand Rounds, Stanford University School of Medicine, Stanford, California, May 15, 2002

Presentation: Labral Pathology of the Shoulder-SLAP Lesion Instability

- 115) The American Orthopedic Society for Sports Medicine. Orlando, Florida, June 30-July 3, 2002.

Presentation: Current Use of Radiofrequency in Arthroscopic Sports Medicine

- 116) University of Southern California Graduate Orthopaedic Society Annual Meeting, Pasadena, California, June 19, 2004

Presentation: "The Shoulder" Arthroscopic Rotator Cuff Repair.

- 117) Stanford Hand and Upper Limb Symposium: Sports Medicine and Trauma Of the Shoulder, Elbow and Hand. Stanford, California November 12-13-2004.

Presentation: Rotator Cuff Injuries

Publications

- 1) Fanton GS, Andrish JT: Meniscofluoresis. Transactions of Orthopedic Research Society, Vol. 8: pp. 60, 1983.
- 2) Fanton GS, Jobe FW: Injuries to the Elbow in Athletes. Orthopedic Update Series, Vol. 2: pp. 32, 1983.
- 3) Jobe FW, Fanton GS: Ulnar Neuritis at the Elbow in Athletes. Disorders of the Elbow, BF Morrey ed., Philadelphia, W.B. Saunders Co., 1983.
- 4) Fanton GS, Andrish, JT: Meniscofluoresis: An Aid in Determining Prognosis of Meniscal Tears. Cleveland Clinic Quarterly, Vol. 50: pp. 377, 1983.
- 5) Tibone JE, Antich TJ, Fanton GS, Moynes DR, Perry J: Functional Analysis of the Anterior Cruciate Ligament Instability. Am J Sports Med, Vol. 14: pp. 276, 1986.
- 6) Fanton GS. Rehabilitation of the Knee After Anterior Cruciate Ligament Surgery. Physical Medicine and Rehabilitation: State of the Art Reviews JA Saal ed. Vol. 1(4): pp., 639-648, 1987.
- 7) Saal JA, Dillingham MF, Gamburd RS, Fanton, GS: The Pseudoradicular Syndrome: Lower Extremity Peripheral Nerve Entrapment Masquerading as Lumbar Radiculopathy. Spine Vol. 13(8): pp. 926-930, August 1988.
- 8) Fanton GS: Treatment for Athletes is Now Available for Everyone: An Inside Look at Shoulder Injuries. Close-Up Magazine, Sequoia Hospital, Winter 1987/1988.

- 9) Fanton GS: Health Care Tug of War: Cost Conscious Insurers Sending Patients Home. San Jose Mercury News, p. 1A, April 2, 1989.
- 10) Fanton GS (Consultant): Shoulder Arthroscopy, Krames Communications, 1989.
- 11) Fanton GS (Consultant): Knee Cartilage and Ligament Repair, Krames Communications, 1990.
- 12) Fanton GS (Consultant): Meniscus Surgery and Knee Ligament, Krames Communications, 1990.
- 13) Fanton GS: Anterior Cruciate Ligament Injuries. Coaching Volleyball, pp. 18-21, June/July, 1991.
- 14) Vereschagin KS, Wiens J, Fanton GS, Dillingham MF: The Burner: Overview of a Common Football Injury: The Phys Sportsmed Vol. 19(9): pp. 96-104, September 1991.
- 15) Fanton GS: Tendon injuries. The Phys Sportsmed Vol. 19 (12): pp. 13-15, 1991.
- 16) Fanton GS: Ski Injuries and Their Prevention. San Jose Mercury News.
- 17) Fanton GS, Dillingham, MF: The Use of the Holmium Laser in Arthroscopic Surgery. Seminars in Orthopaedics, Vol. 7 (4): pp. 102-116, 1992.
- 18) Fanton GS: Partial Medical Meniscectomy and Chondroplasty of the Right Knee Using the VersaPulse Surgical Laser: A Case Report. Update in Orthopedic Laser Surgery, Vol 2, No. 1, 1992.
- 19) Fanton GS: Excision of a Lateral Meniscal Cyst of the Left Knee Using the VersaPulse Surgical Laser: A Case Report. Update in Orthopedic Laser Surgery, Vol 2, No. 2, 1992.
- 20) Fanton GS: Treatment of Impingement Syndrome of the Left Shoulder and Torn Glenoid Labrum Using the Versapulse Surgical Laser: A Case Report. Update in Orthopedic Laser Surgery, Vol 2, No. 4, 1992.
- 21) Fanton GS: Lateral Retinacular Release of the Left Knee Using the VersaPulse Surgical Laser: A Case Report. Update in Orthopedic Laser Surgery, Vol 2, No. 3, 1992.
- 22) Bogard S, Fanton GS, Figgie MP, Jupiter JB, Larson RL: Elbow: Keep the Whole Arm in Focus. Patient Care, pp. 108-131, February 29, 1992.

- 23) Fanton GS: Primary Capsulo-Ligamentous Reconstruction of the Ulnar Collateral Ligament of the Elbow for Chronic Valgus Laxity in Athletes.
- 24) Fanton GS (Consultant): Shoulder Instability, Krames Communications, 1993.
- 25) Jobe FW, Fanton GS: Ulnar Nerve Injury. Disorders of the Elbow, B.F. Morray ed., Philadelphia, W.B. Saunders Co., 2nd Edition, 1993.
- 26) Dillingham MF, Price JM, Fanton GS: Holmium Laser Surgery. Orthopaedics, Vol 16 (5), May 1993.
- 27) Shapiro GS, Fanton GS: Intra-Articular Hemangioma of the Knee: A Case Report. Arthroscopy: The Journal of Arthroscopic and Related Surgery, Vol 9 (4), August, 1993.
- 28) Shapiro GS, Fanton GS, Dillingham MF: Reconstruction for Recurrent Dislocations of the Proximal Tibiofibular Joint. Orthopaedic Review, November 1993.
- 29) Smith C, Dillingham MF, Fanton GS: The Use of Laser in Ankle Arthroscopy, Foot and Ankle Arthroscopy, In JF GUH, Second Edition, pp. 189-196, 1993.
- 30) Smith RL, Montgomery L, Schurman DJ, Fanton GS, Dillingham MF: Effects of Laser Energy on Diarthrodial Joint Tissue: Articular Cartilage and Synovial Cell Metabolism. Northeast Florida Orthopaedics, Sports Medicine, and Rehabilitation, Inc. p. 156, 1994.
- 31) Smith RL, Montgomery L, Schurman DJ, Fanton GS, Dillingham MF: Effects of Laser Energy on Diarthrodial Joint tissue: Articular Cartilage and Synovial Cell Metabolism. Arthroscopic Laser Surgery: Clinical Applications. Brillhart AT (ed): New York: Springer-Verlag: 1994, Sep, pp. 27-31.
- 32) Hayashi K, Markel M, Thabit G, Bogdanske JJ, Thielke RJ, Fanton, GS, Dillingham MF, Vanderby R: The Effect of Nonablative Laser Energy on Joint Capsular Properties: A Mechanical Study. The American College of Veterinary Surgeons, Sept-Oct, 1994, 23(5):403
- 33) Fanton GS: Athletic Injuries to the Elbow: Surgery of the Elbow: Practical and Scientific Aspects. (Submitted for Publication).

- 34) Fanton GS: Peri-Glenoid Cysts. *Journal of Bone and Joint Surgery*. (Submitted for Publication).
- 35) Fanton GS: Orthopaedic Uses of Arthroscopy and Lasers. *Orthopaedic Knowledge Update: Sports Medicine*. Brillhart, AT. Springer-Verlag, pp. 47-51, 1994.
- 36) Thabit G, Fanton GS: Knee Arthroscopy. *Orthopaedic Knowledge Update: Sports Medicine*. Brillhart, AT. Springer-Verlag, pp. 51-55, 1994.
- 37) Fanton GS: The Use of Lasers in Arthroscopic Surgery. *Orthopaedic Knowledge Update: Sports Medicine*. Brillhart, AT. Springer-Verlag, pp. 55-61, 1994.
- 38) Fanton GS: Sports and Overuse Injuries of the Elbow: Elbow and its Disorders.
- 39) Fanton GS, Dillingham MF: 2.1 μm Holmium: YAG Arthroscopic Laser Surgery of the Shoulder. *Arthroscopic Laser Surgery: Clinical Applications*. Ed, Brillhart, AT. Springer-Verlag, pp. 221-232.
- 40) Dillingham MF, Fanton GS: 2.1 μm Holmium: YAG Arthroscopic Laser Surgery of the Knee. *Arthroscopic Laser Surgery: Clinical Applications*. Ed., Brillhart, AT. Springer-Verlag, pp. 239-252.
- 41) Dillingham MF, Fanton GS, Thabit III G, Jackson RT, Jackson ST, Robertson DB, Markel MD: The Laser-Assisted Arthroscopic Meniscal Surgery of the Knee. *Operative Techniques in Orthopaedics*, 1995, Jan.
- 42) Thabit III G, Fanton GS, Thorpe WP, Horne RH, Jackson ST, Dillingham MF, Markel MD; The Laser-Assisted Capsular Shift Procedure for Glenohumeral Instability: A Preliminary Clinical Trial. *Am J Sport Med*, 1995.
- 43) Hayashi K, Markel MD, Bogdanske JJ, Thielke RJ, Fanton GS, Dillingham MF, Vanderby R: The Effect of Non-Ablative Laser Energy on Joint Capsular Properties; A Mechanical Study. *Am J Sports Medicine*, 1995 Jul-Aug Vol 23 (4):482-87.
- 44) Dillingham MF, Fanton GS, Thabit, III G: Laser-Assisted Arthroscopic Meniscal Surgery of the Knee. *Operative Techniques in Orthopaedics*. *The Meniscus: Current Concepts*. 1995: 5 (1):39-45.
- 45) Macario A., Dillingham MF, Fanton GS and Brock-Utne JG, Stanford University Medical Center, Stanford, California : Postoperative

Epidural Injection of Saline Hastens Time Ready for Discharge in Patients Undergoing Elective Knee Arthroscopy. American Society of Anesthesiologist Meeting, Atlanta, 1995 October.

- 46) Macario A, Dillingham MF, Fanton GS, Brock-Utne JG, Postoperative Epidural Injection of Saline Hastens Time Ready for Discharge in Patients Undergoing Elective Knee Arthroscopy, *Anesthesiology* 83: A13. 1995.
- 47) Shapiro GS, Fanton GS, Dillingham MF, Perkaš R: Lateral Retinacular Release - The Holmium: YAG Laser Versus Electrocautery. *Clinical Orthopaedics and Related Research*, No. 310, pp.42-47, Jan. 1995(44).
- 48) Fanton, GS: Arthroscopy of the Calcaneocuboid Joint. Contribution to Videotape Series, James Guhl, 1995.
- 49) Fanton GS, Mishra A., Dillingham MF, Carver T.: Graft Harvesting via Horizontal Incision; A Technical Note on ACL Reconstruction., *Arthroscopy, The Journal of Arthroscopic & Related Surgery*, Raven Press, 1995 Dec 11(6):749-752.
- 50) Fanton GS, Mishra A., Bilateral Congenital Biceps Dislocation, (In Review), *Orthopaedics*, 1995.
- 51) Fanton GS, Smith L, Montgomery L, Schurman D, Dillingham MF: Effects of Laser Energy on Diarthrodial Joint Tissues: Articular Cartilage and Synovial Cell Metabolism. *Northeast Florida Orthopaedics, Sports Medicine, and Rehabilitation, Inc.*, Brillhart, AT. Springer-Verlag, p. 156.
- 52) Fanton GS, Shoulder Arthroscopy Using the Holmium: YAG Laser System: State of the Art 1994, *Der Orthopade*, Springer-Verlag, Berlin, pp. 79-83, February, 1996.
- 53) Hardy P, Thabit III, G., Fanton GS, Blin L., Lortat-Jacob A., Benoit J., Arthroscopic Treatment of Recurrent Anterior Glenohumeral Luxations by Combining a Labrum Suture with Holmium: YAG Laser-Assisted Capsular Shrinkage, *Der Orthopade*, Springer-Verlag, Berlin, 25: pp. 91-93, February, 1996.
- 54) Oloff LM, Schulhofer SD, Fanton GS, Dillingham MF: Arthroscopy of the Calcaneocuboid and Talonavicular Joints, *The Journal of Foot and Ankle Surgery*, Vol 35, Number 2, Mar-Apr 1996.
- 55) Fanton GS, Oloff LM, Calcaneocuboid Joint Arthroscopy, *Foot and Ankle Arthroscopy*, Third Edition, Springer-Verlag, New York, Inc., April 1997.

- 56) Fanton GS, Radio Frequency Thermal Device Can Deliver Exact Heat Needed For Individual Procedures, Orthopaedics Today, March 1997.
- 57) Hecht P, Hayashi K, Lu Y, Fanton GS, Thabit III G, Markel MD: The Thermal Effects of Radiofrequency Energy on Joint Capsular Tissue, an *in vivo* Mechanical, Morphological and Biochemical Study using an Ovine Model, Submitted to Journal of Bone and Joint Surgery 1997.
- 58) Lopez MJ, Hayashi K, Fanton GS, Markel MD: The Effect of Radiofrequency Energy on Joint Capsular Properties: an *In Vitro* Mechanical Study Using an Ovine Model, Arthroscopy: The Journal of Arthroscopic and Related Surgery. Submitted Sept. 1997.
- 59) Hecht P, Hayashi K, Cooley AJ, Fanton GS, Markel MD, The Effect of Radiofrequency Energy on Joint Capsular Tissue, The American College of Veterinary Surgeons. 1997, 26:437
- 60) Lu Y, Hecht P, Hayashi K, Fanton Gs, Thabit III G, Markel MD: The Effect of Radiofrequency Energy on Partial Thickness Defects of Articular Cartilage, Clinical Orthopaedics and Related Research submitted October 1997.
- 61) Lopez MJ, Hayashi K, Fanton GS, Markel MD: The Effect of Radiofrequency Energy on the Ultrastructure of Joint Capsular Collagen, Arthroscopy 14(5): 495-501, Jul-Aug.1998.
- 62) Hayashi K, Peters DM, Thabit III G, Hecht P, Vanderby R, Fanton GS, Markel MD: Thermal Modification of Musculoskeletal Collagenous Tissues: Part I Mechanism of Laser Effect on Joint Capsular tissue, Experimental *In Vitro* Studies on a Sheep Model, The Journal of Bone and Joint Surgery, October 1997.
- 63) Hayashi K, Peters DM, Thabit III G, Hecht P, Vanderby R, Fanton GS, Markel MD: Thermal Modification of Musculoskeletal Collagenous Tissues: Part II-Biological Response to Nonablative laser Application, Experimental *In Vivo* Studies in a Sheep Model, The Journal of Bone and Joint surgery, October 1997.
- 64) Hayashi K, Peters DM, Vanderby Jr. R, Hecht P, Cooley AJ, Thabit III G, Fanton GS, Markel MD. Mechanism of Joint Capsular Tissue Shrinkage by Laser Energy. Trans Orthopaedic Research Society, 1998, p.271
- 65) Hayashi K, Hecht P, Vanderby Jr. R, Peters DM, Cooley AJ, Xiang Z, Thabit III G, Fanton GS, Markel MD. The Long-Term Effect of Laser Energy on Joint Capsular Tissue. Trans Orthopaedic Research Society. 1998. p.1026

- 66) Hecht P, Hayashi K, Cooley AJ, Devitt JJ, Bogdanske JJ, Fanton GS, Thabit III G, Markel MD, The Long Term Effect of Radiofrequency Energy on Joint Capsular Tissue, 3rd Combined Meeting of the Orthopaedic Research Societies, 1998, p.266
- 67) Hayashi K, Peters DM, Lecht P, Lu Y, Vanderby R, Devitt JJ, Bogdanske JJ, Thabit III G, Fanton GS, Markel MD, Healing Response of Joint Capsular Tissue to Thermal Application of Laser Energy, 3rd Combined Meeting of the Orthopaedic Research Societies, 1998, p.76
- 68) Hecht P, Hayashi K, Cooley AJ, Fanton GS, Thabit III G, Markel MD. The Effect of Radiofrequency Energy on Short Term Tissue Response and Heat Distribution in Joint Capsular Tissue. Trans Orthopaedic Research Society: 1039, 1998.
- 69) Hayashi K, Hecht P, Osmond C, Fanton GS, Thabit G, Markel MD, Comparative Study of Joint Capsular Tissue Modification by Laser and Radiofrequency Energy, The American College of Veterinary Surgeons, 1998, 27:508
- 70) Hayashi K, Massa KL, Thabit III G, Fanton GS, Dillingham MF, Gilchrist KW, Markel MD: Post-Surgical Histologic Evaluation of the Laser-Assisted Capsular Shift Procedure for Glenohumeral Instability, The American Journal of Sports Medicine, 1998.
- 71) Hayashi K, Thabit G, Fanton GS, Dillingham MF, Massa KL, Markel MD, Post-Surgical Histologic Evaluation of the Laser-Assisted Capsular Shift Procedure for Glenohumeral Instability, 24th Annual Meeting of the American Orthopaedic Society for Sports Medicine, 1998, p.924
- 72) Hecht P, Hayashi K, Cooley AJ, Lu Y, Osmond C, Fanton GS, Thabit III G, Markel MD. The Thermal Effect of Radiofrequency on Joint Capsular Properties: An *in vivo* Histological Study Using a Sheep Model. American Journal Sports Med 26(6): 808-14, Nov-Dec 1998.
- 73) Obrzut SL, Hecht P, Hayashi K, Fanton GS, Thabit III G, Markel MD. The Effect of Radiofrequency Energy on the Length and Temperature Profiles of the Glenohumeral Joint Capsule. Arthroscopy 14(4):395-400, May-June 1998.
- 74) Lopez MJ, Hayashi K, Fanton GS, Thabit III G, Markel MD. The Effect of Radiofrequency Energy on the Ultrastructure of Joint Capsular collagen. Arthroscopy 1998. 14:495-501

-
- 75) Fanton GS, Mishra AK: Surgery of the Elbow – Practical and Scientific Aspects – Stanley/Kay. Edward Arnold (Publishers) Ltd., June 1998.
 - 76) Hecht P, Hayashi K, Lu Y, Fanton GS, Thabit III G, Markel MD. The Thermal Effects of Radiofrequency Energy on Joint Capsular Tissue: an *in vivo* Mechanical, Morphological and Biochemical Study Using an Ovine Model. Journal Orthopaedic Research 1998.
 - 77) Brock-Utne JG, Macario A, Dillingham MF, Fanton GS, Postoperative Epidural Injection of Saline Can Shorten Postanesthesia Care Unit Time for Knee Arthroscopy Patients, Regional Anesthesia and Pain Medicine Vol. 23 No. 3 May-June 1998.
 - 78) Samson MA, Dillingham MF, Fanton, GS. Trauma – Its Management by the Primary Care Physician and the Orthopedic Surgeon, Part I, Chapter 16, Primary Rheumatology: A Companion to Textbook of Rheumatology. Edited by Edward D. Harris, Jr. Submitted 1998.
 - 79) Fanton GS. Arthroscopic Electrothermal Surgery of the Shoulder, The Operative Techniques in Sports Medicine. Submitted July 1998.
 - 80) Samson MA, Dillingham MF, Fanton GS, Madsen J. Arthroscopic Treatments of Shoulder Instability: Current Concepts and Techniques. Surgical Technology International VIII. October 1999.
 - 81) Samson MA, Dillingham MF, Fanton GS, Thabit G III. The Use of the Laser and Radiofrequency. In Foot and Ankle Arthroscopy. Third Edition, Chapter 19. Springer 2003, New York..
 - 82) Fanton GS, Wall MS. Thermally-Assisted Arthroscopic Stabilization of the Shoulder Joint, The Unstable Shoulder, Lippincott-Raven Publishers, Philadelphia, 1999
 - 83) Lu Y, Hayashi K, Hecht P, Fanton GS, Thabit III G, Cooley AJ, Markel MD, The Effect of Monopolar Radiofrequency Energy on Partial Thickness Defects of Articular Cartilage, The American College of Veterinary Surgeons, 1999, 28:413
 - 84) Hayashi K, Massa KL, Thabit G III, Fanton GS, Dillingham MF, Gilchrist KW, Markel MD: Histologic Evaluation of the Glenohumeral Joint Capsule After the Laser-Assisted Capsular Shift Procedure for Glenohumeral Instability, The American Journal of Sports Medicine, March/April 1999. 27(2):162-167

- 85) Fanton GS, Lau AC. Chapter 25:Anterior Cruciate Ligament Reconstruction of the Knee Using Fresh Frozen Non-Irradiated Allografts. Management and Rehabilitation of the Knee and Lower Extremity: The Steadman Technique. Lippincott Williams and Wilkins. Submitted March 1999.
- 86) Lu Y, Hayashi K, Hecht P, Fanton GS, Thabit III G, Markel MD, The Effect of Monopolar Radiofrequency Energy on Partial Thickness Defects of Articular Cartilage, The Orthopaedic Research Society, 1999, 24:799
- 87) Hecht P, Hayashi K, Lu Y, Fanton GS, Thabit G III, Vanderby R Jr., Markel, MD. Monopolar Radiofrequency Energy Effects on Joint Capsular Tissue: Potential Treatment for Joint Instability. An In Vivo Mechanical, Morphological, and Biochemical Study Using an Ovine Model, The American Journal of Sports Medicine. November/December 1999. 27(6):761-771
- 88) Fanton GS, Imhoff, AB, Ticker JB, Fu F. Elektro-Thermally Assisted Capsular Shrinkage, An Atlas of Shoulder Arthroscopy. Martin dunitz, London Publishers. Submitted December 1999.
- 89) Lopez MJ, Fanton GS, Thabit G III, Markel MD. Effects of Monopolar Radiofrequency Energy on Ovine Joint Capsular Mechanical Properties, Clinical Orthopaedics and Related Research 2000, 374:286-297.
- 90) Fanton GS. Arthroscopic electrothermal surgery of the shoulder. Operative Techniques in Sports Medicine, 1998;6:139-46.
- 91) Hayashi K, Hecht P, Thabit G III, Peters DM, Vanderby R II, Cooley AJ, Fanton GS, Orwin JF, Markel MD: The Biologic Response to Laser Thermal Modification in an In Vivo Sheep Model. Clinical Orthopaedics 2000, 373:265-276
- 92) Hayashi K, Peters DM, Thabit G, Hecht P, Vanderby R, Fanton GS, Markel MD, The Mechanism of Joint Capsule Thermal Modification in an In Vitro Sheep Model, Clinical Orthopaedics 2000, 370:236-249
- 93) Markel MD, Hayashi K, Hecht P, Fanton GS, Thabit G III, Hanson S. Comparative Effects of Laser and Radiofrequency Energy on Joint Capsule, Clinical Orthopaedics and Related Research 2000, 375:286-294
- 94) Lu Y, Edwards III R, Heath S, Hayashi K, Fanton G, Cole B, Markel M, The Effect of Radiofrequency Energy on Bovine Femoral Articular Cartilage: An In Vitro Comparison of Monopolar (Oratec) and Bipolar

-
- (Mitek) Radiofrequency Energy, The Orthopaedic Research Society, 2000, 25:903
- 95) Lu Y, Edwards III RB, Heath S, Hayashi K, Fanton G, Cole BJ, Markel MD, The Effect of Radiofrequency Energy on Bovine Femoral Articular Cartilage: An In Vitro Comparison of Monopolar and Bipolar Radiofrequency Energy, The American College of Veterinary Surgeons, 2000, 29:468
- 96) Lu Y, Hayashi K, Hecht P, Fanton GS, Thabit G III, Cooley AJ, Markel MD. The Effect of Monopolar Radiofrequency Energy on Partial Thickness Defects of Articular Cartilage, The Journal of Arthroscopic & Related Surgery 2000, 16:527-536
- 97) Lu Y, Hayashi K, Edwards III R, Fanton G, Thabit III G, Markel MD, The Effect of Monopolar Radiofrequency Treatment Pattern on Joint Capsular Healing, The Orthopaedic Research Society, 2000, 25:12
- 98) Lu Y, Hayashi K, Fanton GS, Thabit G, Markel MD, The Effect of Monopolar Radiofrequency Treatment Patterns on Joint Capsular Healing, 67th Annual Meeting of the American Academy of Orthopaedic Surgeons, 2000, p.365
- 99) Lu Y, Hayashi K, Edwards RB, Fanton GS, Thabit G, Markel MD, The Effect of Monopolar Radiofrequency Treatment Pattern on Joint Capsular Healing: In Vitro and In Vivo Studies Using an Ovine Model, The American Journal of Sports Medicine 2000, 28:711-719
- 100) Brukner P, Fanton GS, Bergman AG, Beaulieu C, Matheson GO. Bilateral Stress Fractures of the Anterior Part of the Tibial Cortex, The Journal of Bone and Joint Surgery, Inc. Volume 82-A, No. 2, February 2000.
- 101) Fanton GS. The Thermal Treatment of Shoulder Instability – Dialing Up a New Arthroscopic Procedure for Overhead Athletes. The Physician and Sports Medicine. Submitted February 2000.
- 102) Oloff LM, Bocko AP, Fanton GS. Arthroscopic Monopolar Radiofrequency Thermal Stabilization for Chronic Lateral Ankle Instability: A Preliminary Report on 10 Cases. The Journal of Foot and Ankle Surgery, Vol. 39, No.3, p.144-153, May/June 2000.
- 103) Indelli PF, Dillingham MF, Fanton GF, Schurman D. Septic Arthritis Following Anterior Cruciate Ligament Reconstruction: Incidence, Diagnosis and Treatment. American Orthopaedic Society for Sports Medicine, Annual Meeting, San Francisco, CA, March 3, 2001

- 104) Khan AM, Bonzon CJ, Indelli PF, Fanton GS. Magnetic Resonance Imaging of the Patella Following Arthroscopic Low Power Temperature Regulated Monopolar Radiofrequency (RF) Chondroplasty. Arthroscopy Association of North America, 20th Annual Meeting, Seattle WA, April 19-22, 2001.
- 105) Indelli PF, Dillingham MF, Fanton GF, Schurman D. Septic Arthritis Following Anterior Cruciate Ligament Reconstruction. Clinical Orthopaedics and Related Research, Number 398, pp. 182-188, 2002.
- 106) Indelli PF, Dillingham MF, Fanton GF, Schurman D. Monopolar Thermal Treatment of Symptomatic Anterior Cruciate Ligament Instability. Clinical Orthopaedics and Related Research, 407:139-147, 2003.
- 107) Fanton GS, Oloff LM, Calcaneocuboid Joint Arthroscopy, Foot and Ankle Arthroscopy, Third Edition, Springer-Verlag, New York, Inc., Feb. 2004.
- 108) Samson MA, Dillingham MF, Fanton GS, Thabit G III. The Use of the Laser and Radiofrequency in Foot and Ankle Arthroscopy. Guhl's Third Edition, Chapter 19. Feb. 2004.
- 109) Oloff LM, Fanton GS. Calcaneocuboid Arthroscopy. In Foot and Ankle Arthroscopy. Third Edition, Chapter 15. Springer 2003, New York.
- 110) Indelli PF, Dillingham MF, Schurman DJ. Anterior Cruciate Ligament Reconstruction Using Cryopreserved Allografts. Clin Orthop 420 268-275, 2004
- 111) Fanton GS, Zwahlen, BA, Hehman MG. Radiofrequency Technique for Shoulder Instability. In Textbook of Arthroscopy, Chapter 15. WB Saunders, 2004 Philadelphia.
- 112) Ruotolo C, Nottage WM, Flatow EL, Gross RM, Fanton GS. Controversial Topics in Shoulder Arthroscopy, Arthroscopy. 2002; 18:65-75.

Past Research

- 1) Intracompartmental Tissue Pressure Measurements in the Shin Splint Syndrome.
- 2) Review of Electrosplinal Implantation in Idiopathic Scoliosis
Meniscofluoresis: An Aid in Determining Prognosis of Meniscal Tears.

- 3) Review of Ulnar Nerve Entrapment Syndrome at the Elbow in Athletes
- 4) Gait Analysis and Electromyography in Patients with Anterior Cruciate Ligament Deficient Knees.
- 5) The Use of Carbon Fiber as a Ligament Augmentation Device.
- 6) Clinical Investigator; Use of Xenotech Bovine Ligament Prosthesis
- 7) Co-investigator; Laser-Assisted Capsular Shift. Submitted for "Patients with Multi-Directional Instability" Thabit, G, Horne, RH, Thorpe, WP, Fanton, GS, Dillingham, MF, Markel MD, Robertson, DB, Jackson RT, Jackson RT, Jackson, ST.
- 8) Chief Clinical Investigator - Use of Fiber Optic Delivered Surgical Laser in Knee Arthroscopy.
- 9) Ulnar Collateral Ligament Injuries in Throwing Athletes: A Newly Described Surgical Approach.
- 10) Biomechanics of Leg Press in Rehabilitation of Ligament Injuries of the Knee.
- 11) The Use of Indomethacin Gel II in Treatment of Ankle Sprains and Epicondylitis (1989).
- 12) Review of Arthroscopic Arch Decompression of the Shoulder in Throwing Athletes.
- 13) Aggressive Rehabilitation of the Knee After ACL Reconstruction with KT-1000 Correlation.
- 14) Cervical Spine Injuries in Professional Athletes.

Current Research Interests

- 1) New Concepts in Shoulder Rehabilitation.
- 2) Improved Methods of Soft Tissue Anchoring to Bone.
- 3) New Applications for Soft Tissue Anchors.
- 4) Development of Bioabsorbable Soft Tissue Fixation Devices.
- 5) New Techniques and Instrumentation for Meniscal Repair.

- 6) New Techniques and Instrumentation for Shoulder Separations.
- 7) Meniscal Repair with Collagen Augmentation.
- 8) Development of New Optical Systems for Small Joint Arthroscopy.

Active Research Projects

- 1) Investigation of the Use of Holmium Laser in Laser-Assisted Capsular Shift -A Multi-Center Study.
- 2) Thermal Effects on Collagen Contraction.
- 3) Biomechanical Properties of Thermally Contracted Soft Tissue.
- 4) Bio-Amine Utilization in Knee Arthroscopy Fluid.
- 5) The Use of Ketarolac/ Methodane for Post Operative Pain Management.
- 6) Use of Bioabsorbable Fixation Screws for ACL Fixation.
- 7) Development of Cost Effective Outpatient Recovery Programs.