

CURRICULUM VITAE

Robert P. Mack, M.D.

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CURRENT PRACTICE:

Aspen Orthopaedic Associates
1906 Blake Avenue, #300
Glenwood Springs, Colorado 816

Orthopedics Evaluators
2460 West 26th Avenue, #C230
Denver, Colorado 80211

EDUCATION

HIGH SCHOOL - Canton McKinley, OH 1953,
B.A., Princeton Univ. 1957 Princeton, NJ
M.D., Western Reserve Univ., 1961, Cleveland, OH
DIPLOMATE, American Board of Orthopaedic Surgery, 1970
FELLOW, American Academy of Orthopaedic Surgery, 1970

POST-GRADUATE TRAINING

INTERNSHIP:

Rotating, University Hospitals
Cleveland OH; 1961-1962

ASSISTANT RESIDENT GENERAL SURGERY:

Mt. Sinai Hospital
Cleveland OH 1962-1963

ORTHOPAEDIC RESIDENCY:

University Hospitals
Cleveland OH; 1963-1966

MILITARY SERVICE

Captain U.S.A.F., 1966-1968, Bitburg, Germany
Chief of Orthopaedics, 36th Tactical Hospital

ORTHOPAEDIC SURGERY ACTIVE PRACTICE

Cleveland, OH. 1968-June, 1977
Denver, CO. June 1977-May, 1996
Vail, CO. Sept. 1996 – Nov. 1998
San Diego, CA. June 1999-July 2001
Aspen/Glenwood Springs, CO. Aug. 2001- present
Rancho Mirage, CA. Desert Orthopaedic Center 2007-2009

MEDICAL LICENSES

Colorado #19858 1977
New York #212442 1998 (Inactive)
California #C50355 2000
Colorado Division of Workers' Compensation, Level II Accreditation, Oct.2001
Recertified: 2004, 2007, 2010

AWARDS

Co-Winner U.S. Ski Association Award of Merit for Best Research in Ski Safety:
Biomechanics of Ski Bindings, 1972.

Hall of Fame: American Orthopaedic Society for Sports Medicine (AOSSM),
Inducted 7/16/2010

ACADEMIC APPOINTMENTS

Assistant Professor, Division of Orthopaedic Surgery, CWRU School of Medicine,
Cleveland OH, 1969-1977.

Associate Director, Division of Orthopaedic Surgery, Cleveland Cuyahoga County
Hospitals, 1968-1977.

Director & Founder, Rainbow Sports Medicine Center, University Hospitals, Cleveland
OH, 1972-1977.

HOSPITAL APPOINTMENTS

Cleveland Metropolitan General Hospital, Director of Orthopaedic Surgery, 1968-1977
University Hospitals, Cleveland, OH. Assistant Orthopaedist, 1968-1977
Mt. Sinai Hospital, Cleveland, OH. Courtesy Staff 1968-1977
St. Joseph Hospital, Denver, CO. Active Staff, July, 1977-1996
Rose Medical Center, Denver, CO. Active Staff, July, 1977-1996
Presbyterian Hospital, Denver, CO. Active Staff, July, 1977-1996
Vail Valley Medical Center, Vail CO. Active Staff, September, 1996-2000

COMMITTEES

AMERICAN SOCIETY FOR TESTING MATERIALS (ASTM)

Member F-8 Committee for Standards in Sports Equipment Secretary F-8. 14
Subcommittee on Standards in Ski Equipment, 1972-1977.

SPORTS MEDICINE COMMITTEE

American Academy of Orthopaedic Surgeons, 1975-1978
Re-appointed 1979-1982.

EDUCATION COMMITTEE

Chairman, Division of Orthopaedics, St. Joseph Hospital, Denver CO, 1979-1985.

COLORADO OUTWARD BOUND SCHOOL

Board of Trustees, 1980-1986.

MEMBERSHIP COMMITTEE

American Orthopaedic Society for Sports Medicine, Elected June 1981, Chairman 1987.

MEDICAL ADVISORY COMMITTEE

Cherry Creek School District, October, 1981.

SPORTS MEDICINE COMMITTEE

Colorado State Medical Society, 1982.

EDUCATION COMMITTEE

American Orthopaedic Society for Sports Medicine, 1982.

MEDICAL ADVISORY COMMITTEE

National Athletic Trainers Association (NATA) & Certification Board, March, 1987.

BOARD OF COUNCILORS

AOSSM - 2006-2009

ORGANIZATIONS

ACL STUDY GROUP, 1978
AMERICAN SOCIETY FOR TESTING MATERIALS
AMERICAN ACADEMY OF ORTHOPAEDIC SURGEONS
AMERICAN COLLEGE OF SPORTS MEDICINE, FELLOW, 1978
AMERICAN ORTHOPAEDIC SOCIETY FOR SPORTS MEDICINE, 1974
ROCKY MOUNTAIN TRAUMATOLOGICAL SOCIETY, 1975
COLORADO STATE MEDICAL SOCIETY
DENVER MEDICAL SOCIETY
WESTERN ORTHOPAEDIC SOCIETY, ROCKY MOUNTAIN CHAPTER
ARTHROSCOPY ASSOCIATION OF NORTH AMERICA, 1981
INTERNATIONAL ARTHROSCOPY ASSOCIATION, 1981*
EUROPEAN KNEE SOCIETY, 1987
INTERNATIONAL SOCIETY OF THE KNEE, 1989*
*ISAKOS

SPORTS MEDICINE ACTIVITIES

TEAM PHYSICIAN, Cleveland Crusaders Hockey Team, W.H.L., 1972-1976.

TEAM PHYSICIAN, Cleveland Barons, N.H.L., 1976-1977.

DIRECTOR AND FOUNDER, Rainbow Sports Medicine Center, University Hospital, Cleveland OH, 1972-1977.

MEMBER, Cuyahoga County Academy of Medicine, Sports Medicine Committee, 1973-1977.

TEAM PHYSICIAN, St. Ignatius High School, Cleveland, Ohio 1975-1977.

SECRETARY, American Society for Testing Materials Committee, F-8, 14, on Ski Safety, 1972-1978.

COURSE CHAIRMAN, American Academy of Orthopedic Surgeons Course on Winter Sports Injuries, Sun Valley, Idaho 1977

TEAM PHYSICIAN CO North-South All Star Football Game, Colorado, 1977, 1981-1986.

TEAM PHYSICIAN, Smoky Hill High School, Denver, CO. 1978-1981.

TEAM PHYSICIAN, Cherry Creek High School, Denver, Co. 1981-1996

COURSE CHAIRMAN, American Academy of Orthopedic Surgeons Continuing Education Course, The Foot and Leg in Running Sports, San Diego, California, 1980.
NEUTRAL PHYSICIAN, National Football League, 1978-
TEAM PHYSICIAN, Coors Classic Bicycle Race, 1984-1986.
MEDICAL DIRECTOR, Ride the Rockies, 1986-1988.
MEDICAL ADVISORY COMMITTEE, Metropolitan Denver, YMCA, 1988-1990.
BOARD OF TRUSTEES, American Orthopedic Society for Sports Medicine, June, 1989-1994.
TREASURER, American Orthopedic Society for Sports Medicine, June, 1989-1994.

BOARD AND PUBLIC SERVICE ACTIVITIES

COLORADO OUTWARD BOUND SCHOOL
Board of Trustees 1980-1986

BOYS and GIRLS CLUBS of COLORADO
Board of Trustees 1997 to 1999

ANDERSON RANCH ART CENTER
National Advisory Council 1998 to 2007

PATHFINDERS, Aspen, Colorado/Duke Medical Center
Founder, Board Member 2006

ZYMED CORPORATION, Camarillo, Calif.
Board of Directors 1992 to 1996

H&Q HEALTHCARE INVESTORS
Member Board of Trustees – 1991-2010

H&Q LIFE SCIENCE INVESTORS
Member Board of Trustees – 1993-2010

PUBLICATIONS

1. Hanaoka, H.; Friedman, B. and Mack, R.P.: Ultrastructure and histogenesis of giant cell tumor of bone. *Cancer* 25:1408-23, 1970.

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2. Freehafer, A.A.; Vesseley, J.C.; and Mack, R.P.: Iliopsoas muscle transfer in the treatment of myelomeningocele patients with paralytic hip deformities. *J. Bone Joint Surg.* 54A:1715-1729, 1972.
3. Mack, R.P.; Bahniuk, E.; Burstein, A.H. and Frankel, V.: The biomechanics of children's ski bindings. *J. Sports Med.* 2:154-162, 1974.
4. Bahniuk, E.; Mack, R.P.; Frankel, V. and Burstein, A.H.: The biomechanics of ski boots. *J. Safety Research*, March, 1974.
5. Mack, R.P.: Save a limb. *Emergency Medicine*, August, 1974.
6. Mack, R.P.: Winter sports injuries. *Medical World News. Consultant's Corner*, December, 1974.
7. Mack R.P.: The Foot in Athletics (A slide lecture). Produced by Schering Corporation, 1974-1975.
8. Mack, R.P.: Are the new bindings safe? *Phys. Sports Med.*, December, 1977.
9. Oh, I.; Smith, J.A.; Spencer, G.E., Jr.; Frankel, V.H. and Mack, R.P.: Fibrous contracture of muscles following intramuscular injections in adults. *Clin. Orthop.* 127:214-219, 1977.
10. Mack, R.P.: Popliteal cysts. *AAOS Symposium on the Athlete's Knee*, C.V. Mosby, November, 1980.
11. Mack, R.P.: Symposium on the foot and leg in running sports. St. Louis, Mosby, 1982.
12. Mack, R.P.: Ice hockey injuries. *Sports Med. Dig.* 3, 1981.
13. Mack, R.P.: Ankle injuries in athletics. *Clin. Sports Med.* 1:71-84, 1982.
14. Mack R.P. (Ed.): *The Foot and Leg in Running Sports*. C.V. Mosby, 1982.
15. Mack, R.P. and Clayton, M.L.: Synovial bursal lesions around the knee. *In* Evarts, C.M.: *Surgery of the Musculoskeletal System* (2nd ed.). New York, Churchill Livingstone, 1990.
16. Mack R.P.: Sports Medicine Today. *CWRU Alumni Magazine*, Cleveland OH, November, 1983.

17. Mack, R.P.: Chapter on the Ankle and Chapter on the Foot. American Academy of Orthopedic Surgeons: Athletic Training in Sports Medicine, 1984.
18. Clayton, M.L.; Thompson, T.R. and Mack, R.P.: Correction of alignment deformities during total knee arthroplasties: Staged soft tissue releases. Clin. Orthop. 202:117-124, 1986.
19. Mack, R.P.: Symposium: Acute soft tissue injuries below the knee in athletes. Contemp. Orthop., May, 1986.
21. Mack, R.P.: Exercise and nutrition in middle-aged athletes, St. Joseph Hospital Primary Care Bulletin, Spring, 1987.
22. Dennis, D.A.; Clayton, M.L.; Wong, D.A.; Mack, R.P. and Susman, M.H.: Internal fixation compression arthrodesis of the ankle. Clin. Orthop. 253:212-220, 1990.
23. Wong, D.A.; Mack, R.P. and Craigmile, T.K.: Traumatic atlantoaxial dislocation without fracture of the odontoid. Spine 16:587-589, 1991.
24. Dennis, D.A.; Clayton, M.L.; O'Donnell, S.; Mack, R.P.; and Stringer, E.A.: Posterior cruciate condylar total knee arthroplasty: Average 11-year follow-up evaluation. Clin. Orthop. 281:168-76, 1992.

PRESENTATIONS

1. The Treatment of Acute Displaced Femoral Neck Fractures with a Replacement Prosthesis. USAFE Medical-Surgical Training Conference, Weisbaden, Germany, October, 1967.
2. Fat Embolism. Surgical Grand Rounds, Cleveland Metropolitan General Hospital, May, 1969.
3. Biomechanics of Ski Bindings. First Place for Ski Safety Research, USSA & AAOS, Aspen, CO. March, 1972.
4. Research in Ski Safety. Surgical Grand Rounds, University Hospitals, March, 1972.
5. Biomechanics of Ski Bindings. Duncan Rainbow, Reich Lectures, Cleveland, OH. May, 1972.
6. Biomechanics of Ski Bindings. Detroit Orthopaedic Club, Detroit, MI. October, 1972.
7. Biomechanics of Children's Ski Bindings. ASOS Course on Ski Injuries (Faculty), Aspen, CO. March, 1973.

8. Moderator, Panel on The Team Physician, The Care of the Athlete: A Team Approach. Continuing Medical Education, University of Washington School of Medicine, Seattle, WA. May, 1973.
9. Plaster Cast. Orthopaedic Nurses Course, AAOS, Cleveland, OH. May 1973 & 1974.
10. Ligamentous Injuries of the Ankle. 7th Annual Symposium on Sports Medicine, Germantown Academy, Ft. Washington, PA. August, 1973.
11. Conditioning and Rehabilitation of Athletes. Academy of Medicine, Sports Injuries Program for Coaches, Cleveland, OH. October, 1973.
12. Ski Injuries. 21st Annual Symposium on Trauma, Wayne State University, Detroit, MI. December, 1973.
13. Biomechanics of Ski Boots. AAOS Course on Ski Injuries, Aspen, CO. March, 1974.
14. Common Track Injuries. Ohio State Medical Association, Panel Discussion, Cleveland, OH. May, 1974.
15. Recognition of Non-Life Threatening Athletic Injuries, Side Line Decisions for Team Physicians. American College of Sports Medicine Symposium, Knoxville, TN. May, 1974.
16. Ligamentous Injuries of the Ankle. Schering Symposium on Foot and Ankle Injuries in Athletics, Moderator, Kansas City, KS. June 1974.
17. Biomechanics of Running. Annual Meeting of Canadian Sports Medicine Society, Toronto, Canada. June 1974.
18. Injuries of the Thigh. Conference on Sports Medicine as Related to Physical Education and Athletics-State of Ohio Department of Education, Cleveland, OH. November, 1974.
19. Orthopaedic Management of the Multiply Injured Patient. Rocky Mountain Traumatological Society, Aspen, CO. February, 1974.
20. Mechanics of Ski Injuries and Children's Ski Bindings. Aspen Ski Injury Course, AAOS, Aspen, CO. February, 1975.
21. Injuries to the Thigh. Baldwin Wallace College, Berea, OH. April, 1975.
22. Fractures. Emergency Medical Services Council, Cuyahoga Community College, Cleveland, OH. April, 1975.
23. Heterotopic Bone Formation Within the Knee Meniscus. Orthopaedic Society for Sports Medicine Annual Meeting, New Orleans, LA. July, 1975.

24. Sports Medicine for Pediatricians. Pediatric Grand Rounds, Rainbow Babies and Children's Hospital, August, 1975.
25. Side Line Evaluation of Knee Injuries in Athletes. Sports Medicine Seminar for Team Physicians, Academy of Medicine, October, 1975.
26. Evaluation of Knee Injuries, and The Plaster Cast, Uses and Abuses. American College of Surgeons Continuing Education Course on Trauma, Cleveland, OH. November, 1975.
27. Evaluation of Ankle Injuries. Seminar for Athletic Injuries, Rainbow Sports Medicine Center, Cleveland, OH. November, 1975.
28. Knee Injuries in Athletics. Pediatric Ambulatory Conference, Rainbow Babies and Children's Hospital, Cleveland, OH. January, 1976.
29. The Relationship Between Ski Equipment and Ski Injuries. Rocky Mountain Traumatological Society, Aspen, CO. February, 1976.
30. The Biomechanics of a Ski Binding. AAOS Continuing Education Course on Winter Sports Injuries, Snowmass, CO. March, 1976.
31. Friction, Its Role in Ski Safety. Moderator on Panel Discussion, AAOS, Continuing Education Course on Winter Sports Injuries, Snowmass, CO. March, 1976.
32. Hockey Injuries. AAOS Continuing Education Course on Winter Sports Injuries, Snowmass, CO. March, 1976.
33. Screening Techniques in Injury Prevention. Seminar for Athletic Coaches at Shaker Schools, Shaker Heights, OH. March, 1976.
34. Update on Hockey and Ski Equipment. Sports Medicine Course, Cleveland Clinic, Cleveland, OH. April, 1976.
35. Biomechanics of Stress Fractures. American College of Sports Medicine, Anaheim, CA. May, 1976.
36. Athletic Injuries to the Ankle and Foot. American College of Sports Medicine, Anaheim, CA. May, 1976.
37. Athletic Injuries to the Ankle and Foot. Pediatric Ambulatory Conference, Rainbow Babies and Children's Hospital, Cleveland, OH. June, 1976.
38. Athletic Injuries of the Knee. Pediatric Ambulatory Conference, Rainbow Babies and Children's Hospital, Cleveland, OH. June, 1976.
39. Elbow Fractures and Dislocations. AAOS Continuing Education Course, Sports Medicine Injuries to the Upper Extremity, Cleveland Clinic, Cleveland, OH. June, 1976.

40. Shoulder Fractures and Dislocations, Elbow Injuries and Evaluation, Thigh Injuries and Foot and Ankle Injuries. Graduate Course for Athletic Trainers, Rainbow Sports Medicine Center, Cleveland, OH. June, 1976.
41. Sports Medicine Workshop, AAOS, Durango, CO. July, 1976.
42. Faculty, Rainbow Sports Medicine Center Course for Student Trainers, 1974-1976.
43. Coordinator and Lecturer of Laboratory on Trauma, Musculoskeletal Committee, Case Western Reserve University School of Medicine, 1973-1977.
44. Popliteal Cyst. AAOS Course on the Knee, Houston, TX. November, 1976.
45. Chairman, AAOS Course, Winter Sports Injuries. Sun Valley, ID. March, 1977.
46. Trillot Procedure for Dislocation of the Patella. Pediatric Orthopaedic Day, Children's Hospital, Denver, CO. April, 1978.
47. Popliteal Cysts and Dynamic Stability of the Knee. AAOS Course on Athletic Injuries of the Knee, Hilton Head, SC. June, 1978.
48. Examination and Differential Diagnosis of the Knee. Colorado Podiatry Association, Boulder, CO. November 12, 1978.
49. Injuries to Runners. Grand Rounds, Presbyterian Hospital, Denver, CO. November 17, 1978.
50. Movie: Athletic Injuries to the Ankle. Synthesis Communications, Denver, CO. December, 1978.
51. Biomechanics of Ski Boots. RMTS, Aspen, CO. January, 1979.
52. Hockey Injuries and Biomechanics of Ski Boots. AAOS Winter Sports Injuries and Arthroscopy, Snowmass, CO. March, 1979.
53. Preventing and Dealing with Orthopaedic Problems. Arapahoe Community College Fitness Days, Littleton, CO. April, 1979.
54. Ankle Sprains. Missouri Pacific Railroad Colorado Springs, CO. May, 1979.
55. Athletic Injuries of the Knee. Coaches Clinic, Boulder, CO. August 8, 1979.
56. Fractures of the Shoulder Girdle in Athletes and Fractures and Dislocations of the Elbow in Athletes. AAOS Sports Medicine Upper Extremity Injuries, Mayo Clinic, Rochester, MN. September, 1979.
57. Athletic Injuries of the Knee. Physical Medicine Department University of Colorado Medical Center, Denver, CO. October 9, 1979.

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58. Prevention of Injuries to the Athlete. Denver Athletic Club, Denver, CO. October 20, 1979.
59. Prevention of Injuries to the Athlete. St. Joseph Hospital, Denver, CO. October 24, 1979.
60. Prevention of Injuries to the Runner. Colorado Columbines, Denver, CO. November 3, 1979.
61. Faculty AAOS Course, Arthroscopy and Arthrography of the Knee. Miami, FL. December 7-8, 1979.
62. Equipment Advances, and Calcification of the Meniscus--A Diagnostic Problem. AAOS Winter Sports. The Knee and Arthroscopy. Snowbird, UT. March 3-7, 1980.
63. Operative Arthroscopy. St. Joseph Hospital, Denver, CO. July 17 & 18, 1980.
64. Advanced Arthroscopy. Denver, CO. September 4-5, 1980.
65. Faculty: AAOS Course: Winter Sports Injuries, Jackson Hole, WY. March 15-20, 1981.
66. Faculty: AAOS Course: Athletic Injuries of the Knee, Popliteal Cysts of the Knee. W. Palm Beach FL, May 29-June 2, 1981.
67. What's New in Orthopaedic Surgery Related to Arthritis. Arthritis Foundation, Burlington, CO. June 11, 1981.
68. Ski Injuries and Equipment. Fitness Committee, St. Joseph Hospital, Denver, CO. November 20, 1981.
69. Sports Medicine Today. Cherry Creek High School Science and Technology Day, Denver, CO. December 3, 1981.
70. Relationship of Ski Equipment to Ski Injuries. Copper Mountain, CO. December 5, 1981.
71. Program Chairman, RMTS, Annual Meeting, Aspen, CO. January, 1982.
72. Technique of Anterior Cruciate Reconstruction. ACL Group, Jackson Hole, Wyoming, February 20, 1982.
73. Relationship of Ski Equipment to Ski Injuries. Vail, CO. March 4, 1982.
74. Panelist, Arthritis Public Forum. Castle Rock, CO. March 25, 1982.
75. Ski Injury Update. Hospital for Joint Diseases Orthopaedic Institute New York, NY. March 27, 1982.
76. ACL Reconstruction. Summit County Ortho Seminar, Dillon CO, April 1, 1982.

77. ACL Reconstruction. Rocky Mountain Chapter W.O.A. Summer Meeting, June 13, 1982.
78. Knee and Ankle Injuries. Colorado Outward Bound School, Beaver Creek CO, January 31, 1983.
79. Skiing Injuries Update. Beaver Creek Ski Patrol, Beaver Creek CO, February 18, 1983.
80. Osteotomy for Degenerative Valgus Deformity of the Knee. International Knee Society, Glen Eagles, Scotland, May 1, 1983.
81. Ankle Injuries. Spring Orthopaedic Day, Denver CO, May 20, 1983.
82. Biomechanical Analysis of the Ankle and Associated Disorders. Colorado Athletic Trainers Association 3rd Annual Clinical Symposium, U.S. Olympic Training Center, Colorado Springs CO, May 22, 1983.
83. Hockey Injuries. AAOS Continuing Education Course: Winter Sports Injuries, Steamboat Springs, CO. March 20, 1984.
84. Treatment and Rehabilitation of Ankle Fractures. AAOS Continuing Education Course Winter Sports Injuries, Steamboat Springs, CO. March 23, 1984.
85. Hockey Injuries. Athletic Training Update, Denver, CO. May 7, 1984.
86. Evaluation of Acute Knee Injuries. Pediatric Sports Medicine Meeting, August 4-5, 1984, Aspen, CO.
87. Pre-Participation Examination-Musculoskeletal Examination. Pediatric Sports Medicine Meeting, Aspen, Co. August 4-5, 1984.
88. The Knee-Sports Injuries, 6th Annual Rheumatology Conference, October 27-28, 1984, Denver, CO.
89. Conditioning and Nutrition in the Middle-aged Athlete. AAOS Course on Winter Sports Injuries. Sun Valley, Idaho. March 4-8, 1985.
90. Gore-Tex: Ligament Reconstruction. Rocky Mountain Chapter, WOA. Vail, CO. June 20-23, 1985.
91. Conditioning and Nutrition in the Middle-aged Athlete, Success Over 50 Seminar for the Elderly, Denver, CO. September 20, 1985.
92. Arthroscopic Debridement of the Knee, AAOS Course on Arthritis of the Knee, Denver, CO. September 26, 1985.
93. Conditioning and Nutrition in the Middle-aged Athlete, Success Over Fifty (Albert Myers), Lakewood, CO. November 16, 1985.

94. Conditioning and Nutrition in the Middle-aged Athlete, Winter Sports Injuries-1986, Snowmass, CO. March 10-14, 1986.
95. Fractures Around the Knee-Supracondylar and Tibial Plateau, Winter Sports Injuries-1986, Snowmass, CO. March 10-14, 1986.
96. Gore-Tex Intra-Articular Anterior Cruciate Reconstruction, Summit County Orthopaedic Seminar, Frisco, CO. March 27-28, 1986.
97. Patellar Tendon-Bone Graft for Acute and Chronic ACL Insufficiency and Rehabilitation, Anterior Cruciate Ligament. New Concepts for Physical Therapists, Denver, CO. April 12, 1986.
98. Basic Nutrition for Fitness, Annual Meeting AOSSM, Sun Valley, ID. July 1986.
99. Exercise and Nutrition in the Middle-aged Athlete, WOA Summer Meeting, Snowmass, CO. June 1986.
100. The Bicycle as a Tool in Rehabilitation of the Knee, 1986 World Congress on the Medical and Scientific Aspects of Cycling. Colorado Springs, CO. September 2-3, 1986.
101. Faculty-Gore-Tex ACL Training Seminars, Denver, CO, September, 1986; Chicago, IL. October 1986.
102. ACL Reconstruction with Gore-Tex Graft, Hospital for Joint Disease, New York, NY. October 30, 1986.
103. ACL Reconstruction with Gore-Tex Graft, City Wide Grand Rounds, University of Colorado Department of Orthopaedics, November 15, 1986.
104. Vail Sports Medicine Conference, February 27, 1987, Faculty Member.
105. Exercise and Nutrition in the Middle Aged Athlete, Rocky Mountain Traumatologic Society, Snowmass Village, CO. January 26-29, 1988.
106. Acute Knee Pain, Anterior Knee Pain, Office Orthopaedics for the Primary Care Physician, St. Joseph Hospital, Denver, CO. February 26, 1988.
107. Basic Survival Techniques in the Winter Environment, Winter Sports for the Arthritic and Joint Replaced Patient, Acute and Chronic Lateral Ankle Ligamentous Injury: Conservative and Operative Techniques, Winter Sports Injuries Conference, Vail, CO. March 7-11, 1988.
108. Current Concepts in Anterior and Posterior Cruciate Ligament Surgery, Seminar-St. Joseph Hospital, Denver, CO. March 19, 1988, Moderator.
109. Complications of Gore-Tex ACL Reconstruction, ACL Study Group, Snowmass, CO. March 22, 1988.

110. Anterior Cruciate Reconstruction Using the Gore-Tex Graft, Orthopaedic-Rheumatology Grand Rounds, Rose Medical Center, Denver, CO. May 13, 1988.
111. Prophylactic Knee Braces, American College Health Association Annual Meeting, Denver, CO. May 27, 1988.
112. Sports Activities in the Arthritic and Joint Replaced Patient, Rocky Mountain Chapter of Western Orthopaedic Association Summer Meeting, Aspen, CO. July 23, 1988.
113. Evaluation of Acute Knee Injuries. St. Joseph's Hospital-Symposium for Family Practice Physicians. April 28, 1989.
114. Exercises and Nutrition in Sports Medicine. St. Joseph's Hospital-Symposium for Family Practice Physicians. April 28, 1989.
115. Participant--Workshop on Extra-Articular Reconstructions of the Knee, Sponsored by FSMER and AOSSM, Aspen, CO. July 13-15, 1989.
116. Use of MRI in Diagnosis and Treatment of PCL. Western Orthopaedic Association Summer Meeting. Snowmass, CO. July 14, 1990.
117. Discussor--Knee Injuries and Cyclists. American Orthopaedic Society for Sports Medicine, Sun Valley, ID. July 17, 1990.
118. Athletic Performance in Total Joint Replacement. NACON, St. Joseph's Hospital, Denver, CO. September 10, 1990.
119. Ankle Fusions: The Lateral Approach. Rocky Mtn. Division of the Western Orthopedic Association, Denver, CO. September 7, 1990.
120. Running Injuries of the Knee, Oregon Physical Therapy Association, Bend, OR. March 18, 1991.
121. The Aging Athlete: Use It or Lose It. International Congress of Sports Trauma, Mallorca, Spain, May 25-29, 1992.
122. Review of Surgical Anatomy of the Knee. National Athletic Training Association Convention, June 3, 1992.
123. The Aging Athlete: Use It or Lose It. Western Orthopaedic Association, Snowmass, CO. July 31, 1992.
124. The Use of MRI in treatment decisions for Posterior Cruciate Ligament Injuries. The Clinical Orthopaedic Society, Denver, CO. October 9, 1992.
125. What's New in Sports Medicine in the U.S.A. Japanese Society of Clinical Sports Medicine, Osaka, Japan, October 31 - November 1, 1992.

126. Exercise and Nutrition for the Recreational Athlete. Current Clinical Updates Conference: Practical Orthopaedics for the Primary Care Physician. Denver, CO. November 20, 1992.
127. The Aging Athlete. 3rd Annual Colorado Sports Medicine Symposium, Denver, CO. May 28, 1993
128. Aggressive Rehab Program for Total Hip Replacement Patients. International Symposium on Custom Prostheses, Amelia Island, FL. September 30 - October 1, 1993.
129. ACL Rehab Program. U.S. Ortho, Vail, Colorado December 16 - December 17, 1994.
130. Invited Lecturer at "Sports Medicine 2000" in Stockholm, Sweden June 6 - 8, 1995. Talk title, "Complications of ACL Surgery".
131. Biomechanics and Prevention of Ski Injuries. Current Clinical Updates Conference at St. Joseph's Hospital, Denver, Colorado November 10, 1995.
132. ACL Study Group, Nevis, West Indies April 28, 1996. "Complications of ACL Surgery".

RESEARCH SPORTS MEDICINE

1. Biomechanics of Skiing and Ski Safety.
2. Standards of Ski Safety, Sponsored by American Society of Testing and Materials, April 1972.
3. Ankle Stability Studies, Sponsored by Orthopaedic Research and Education Foundation. Three Year Grant, Received April 1975.
4. Gore-Tex Graft Replacement of Anterior Cruciate Ligament-Clinical Investigator, Appointed July 1983.
5. Computer Program for Long Term Follow-up of Anterior Cruciate Ligament Reconstruction, June 1984.
6. Richards Synthetic Anterior Cruciate Ligament Graft Clinical Investigator, Appointed 1990.