

WALTER R. O'BRIEN, M.D.

CURRICULUM VITAE

(Updated 07/01/2014)

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EDUCATION

University of Kansas <i>Lawrence, Kansas</i>	1976	Bachelor Degrees Biology Microbiology Psychology
University of Kansas Medical School <i>Kansas City, Kansas</i>	1981	Doctor of Medicine
St. Francis/University of Kansas - Wichita Affiliated Hospitals <i>Wichita, Kansas</i>	07/1981 - 06/1986	Resident in Orthopedic Surgery
The Children's Hospital <i>Denver, Colorado</i>	07/1985 - 12/1985	Resident in Pediatric Orthopedics

SPORTS MEDICINE TRAINING

Residency

Charles E. Henning, M.D.
Mid-America Center for Sports Medicine
Wichita, Kansas

Meniscus Repair
Knee Ligaments

Ejnar Eriksson, M.D.
Karolinska Hospital
Stockholm, Sweden

10/84 - 11/84

Arthroscopy--knee, shoulder,
elbow, ankle, hip
Knee Ligaments
Rehabilitation

Fellowships

Russell F. Warren, M.D. Hospital for Special Surgery New York, New York	10/86 - 12/86	Shoulder Knee Ligaments Meniscus Repair
Werner Muller, M.D. A.O. Fellowship Kantonsspital Bruderholz Bruderholz, Switzerland	01/87 - 04/87	Knee Ligaments Fractures
Jean-Yves Dupont, M.D. Clinique du Marais Paris, France	05/87 - 06-87	Knee Ligaments Meniscus Repair Arthroscopy Rehabilitation
Robert W. Jackson, M.D. Orthopedic and Arthritic Hospital Toronto, Ontario, Canada	11/87 - 01/88	Arthroscopy Research--Knee
Frank R. Noyes, M.D. Cincinnati Sports Medicine Cincinnati, Ohio	03/88 - 05/88	Knee Shoulder Rehabilitation

CURRENT PROFESSIONAL POSITIONS

Director, Pacific Coast Sports Medicine, *Los Angeles, CA*
Saint John's Health Center, *Santa Monica, CA*
Olympia Medical Center, *Los Angeles, CA*
Southern California Hospital at Culver City, *Culver City, CA*
Surgery Center of the Pacific, *Santa Monica, CA*
Twentieth Street Surgery Center, *Santa Monica, CA*
Center for Ambulatory Surgical Treatment, *Los Angeles, CA*

PAST PROFESSIONAL POSITIONS

Medical Executive Committee
Outpatient Surgical Medical Unit
Santa Monica, CA

Surgery Case Review Committee
Laser Committee
Research Committee
Transfusion Committee
Santa Monica Hospital Medical Center
Santa Monica, California

Attending Orthopedic Surgeon
Family Practice Residency Program
Santa Monica Hospital Medical Center
Santa Monica, California

Orthopedic Clinic, Student Health Center
University of Southern California
Los Angeles, California

Orthopedic Surgeon
The Blazina Orthopedic Clinic
Sherman Oaks Community Hospital
Sherman Oaks, California

CERTIFICATIONS

National Board of Medical Examiners		1982
American Board of Orthopaedic Surgery		1990
California Medical License	G063193	1988
Drug Enforcement Administration	BO1005809	1988
X-Ray Supervisor and Operator Department of Health Services, California	RHD131599	1988
Qualified Medical Evaluator Department of Industrial Relations, California	908573	1994
Supervisor of Physician Assistants Medical Board of California	10804	1995

PROFESSIONAL SOCIETY MEMBERSHIPS

American Medical Association	
American College of Sports Medicine	
American Running and Fitness Association	
ACL (Anterior Cruciate Ligament) Study Group	1988
European Society of Knee Surgery and Arthroscopy	1988
American Athletic Trainers Association	1988
International Society of the Knee	1988
Los Angeles County Medical Association (Bay District)	1989
California Medical Association	1989
California Orthopaedic Association	1989
Malibu Medical Society	1989
Western Orthopaedic Association, Los Angeles Chapter	1991
American Academy of Orthopaedic Surgeons	1992

HONORS & AWARDS

- University of Kansas Honors Graduate in Biology
- University of Kansas Academic Scholarships - Undergraduate & Medical
- Phi Theta Kappa
- Athletic Scholarships - football & track
- Ed Elbel Award for Academic Achievement among K.U. track athletes
- A.O. Fellowship in Orthopaedic Surgery
- "Best Paper Award" - International Society of the Knee: Anterior Cruciate Ligament Fiber Tension Patterns During Knee Motion. Rome, 1989
- "1990 Top Videotape Programs" - American Academy of Orthopaedic Surgeons 57th Annual Meeting : Functional Anatomy of the Cruciate Ligaments. New Orleans, LA, February 1990
- "Best Paper" Award - European Society of Knee Surgery and Arthroscopy 4th Congress: Functional Anatomy of the Menisofemoral Ligaments. Stockholm, Sweden, June 1990
- "1991 Award Videotape Program" - American Academy of Orthopaedic Surgeons 58th Annual Meeting: Functional Anatomy of the Cruciate Ligaments. Anaheim, California, March 1991
- "1992 J.A. Venel Award". Swiss Orthopaedic Association. Annual Award for best Orthopaedic contribution in Switzerland. Paper: Anterior Cruciate Ligament Graft Loads During Knee Rehabilitation. Primary Recipient: Niklaus F. Friederich.

ACTIVITIES

University of Kansas Track Team - discus
Independence Community College - Football and Track Teams
American Legion Baseball - Catcher
Sigma Alpha Epsilon, University of Kansas
Big Brothers
Special Olympics
Indian Princess Program, YMCA
Youth Sports Coach: AYSO Soccer, Flag Football, Basketball, Baseball

COMMUNITY SERVICE

Sports Injury Clinic, Sherman Oaks Community Hospital
Athletic Injuries Lecture Series, Sherman Oaks Community Hospital
Physician, CA Women's High School Basketball Tournament 1988
Team Physician, Buckley High School, Sherman Oaks, 1988
Venice Family Clinic--Orthopedic Care to Indigent
Pre-Participation Physicals for High School Athletes
Event Physician, Robert Amiel Triathlon, Malibu, Sept. 16, 1989
Community Health Advisory Committee Head, Sports Injury Subcommittee
Physician, Jimmy Stewart Relay Marathon, Los Angeles, May 17, 1992.
Advisory Board, American Red Cross, Santa Monica Chapter, 1999.

PUBLICATIONS

A. Scientific Articles:

1. O'Brien, W.R.: Anabolic Steroids and the Athlete. University of Kansas Honors Paper, May 1976.
2. Dupont, J.Y.; Bellier, G.; O'Brien, W.R.: Modified Marshall-Macintosh Technique for Anterior Cruciate Ligament Substitution with Early Knee Rehabilitation Techniques Orthop. 2(4): 28-35, 1988.
3. O'Brien, W.R.: Degenerative Arthritis of the Knee Following Anterior Cruciate Ligament Injury: Role of the Meniscus. Sports Medicine and Arthroscopy Review. 1:114-118, 1993.
4. O'Brien, W R.: Isometric Placement of Anterior Cruciate Ligament Substitutes. Operative Techniques in Orthop. (2) : 49-54, April 1992.

5. Friederich, N.F.; Muller, W.; O'Brien, W.R.: Klinische Anwendung biomechanischer und funktionell anatomischer Daten am Kniegelenk.
6. O'Meara, P.M.; O'Brien, W.R.; Henning, C.E.: Anterior Cruciate Ligament Reconstruction Stability with Continuous Passive Motion: The Role of Isometric Graft Placement. *Clinical Orthopaedics and Related Research*, 277: 201-209, April 1992.

AI. Scientific Articles (Submitted and Pending)

1. O'Brien, W.R.; Eilert, R.E.; Chang, F.; Glancy, G.L.: The Metaphyseal-Diaphyseal Angle as a Guide to Treating Supracondylar Fractures of the Humerus in Children.
2. O'Brien, W.R.; Henning, C.E.: Anterior Cruciate Ligament Substitute Load versus Tibial Positioning: An In Vitro Study.
3. O'Brien, W.R.; Henning, C.E.; Eriksson, E.: Femoral Intercondylar Notch Impingement on Anterior Cruciate Ligament Substitutes.
4. O'Brien, W.R.: Arthroscopic Removal of a Loose Body from the Hip Following Fracture-Dislocation: A Case Report.
5. O'Brien, W.R.; Kaufman, E.E.: Erosion of the Medial Femoral Condyle by a Synovial Plica: A Case Report.
6. O'Brien, W.R.; Friederich, N.F.: Effects of Stress Relaxation on Initial Graft Loads During Anterior Cruciate Ligament Reconstruction.
7. O'Brien, W.R.; Wong, K.; Friederich, N.F.: Anterior Cruciate Ligament Graft Loads During Knee Rehabilitation: An In Vitro Study.
8. O'Brien, W.R.; Friederich, N.F.: Functional Anatomy of the Meniscomfemoral Ligaments.
9. Friederich, N.F.; O'Brien, W.R.: Isometricity Measurements During Anterior Cruciate Ligament Reconstruction.
10. O'Brien, W.R.; Friederich, N.F.; Muller, W.; Jackson, R.W.; James P.H.; Henning, C.E.; Lynch, M.A.: Degenerative Arthritis of the Knee Following Anterior Cruciate Ligament Reconstruction: A Multicenter, Long-Term, Follow-up Study.

B. Books and Book Chapters

1. Friederich, N.F.; O'Brien, W.R.: Zur Funktionellen Anatomie der Kreuzbaender. In : Jakob, R.P., Staubli, H.U. (Hrsg): *Kniegelenk und Kreuzbaender*. Springer-Verlag, Heidelberg, 80-95, 1990.

2. Friederich, N.F.; O'Brien, W.R.: Functional Anatomy of the Cruciate Ligaments. In: R.P. Jakob & H. Staubli (Eds): Translated T.C. Telger. Springer-Verlag, Heidelberg, 78-91, 1990.
3. O'Brien, W.R.; Friederich, N.F.: Fiber Recruitment of the Cruciate Ligaments. In Feagin. J.A., Jr. (ed): The Crucial Ligaments Second Edition, Churchill Livingstone, New York, 1993.
4. O'Brien, W.R.; Friederich, N.F.: Isometric Placement of Cruciate Ligament Substitutes. In Feagin. J.A., Jr. (ed): The Crucial Ligaments, Second Edition. Churchill Livingstone. New York, 1993.

BI. Books and Book Chapters (Submitted and Pending):

1. O'Brien, W.R. ; Friederich, N.F.; Muller, W.; Henning, C.E. : Functional Anatomy of the Cruciate Ligaments and Their Substitutes: Biomechanical Basis for Clinical Application. Acta Orthopædica Scandinavica Supplementum.

C. Abstracts and Proceedings:

1. O'Brien, W.R.; Henning, C.E. : Anterior Cruciate Ligament Substitute Load versus Tibial Positioning: An In Vitro Study. Orthop. Trans. 10: 591, 1986.
2. O'Brien, W.R; Eilert, R.E.; Chang, F.; Glancy, G.L.: The Metaphyseal-Diaphyseal Angle as a Guide to Treating Supracondylar Fractures of the Humerus in Children. Orthop. Trans. 11: 456, 1987.
3. O'Brien, W.R.; Henning, C.E.: Anterior Cruciate Ligament Substitute Load versus Tibial Positioning: An In Vitro Study. Am. J. Sports Med. 15: 398, 1987.
4. O'Meara, P.M.; O'Brien, W.R. ; Henning, C.E.: Anterior Cruciate Ligament Reconstruction Stability with Continuous Passive Motion. The Role of Isometric Graft Placement. Trans. Orthop. Res. Soc. 13: 205, 1988.
5. O'Meara, P.M.; O'Brien, W.R. ; Henning, C.E.: Anterior Cruciate Ligament Reconstruction Stability with Continuous Passive Motion: The Role of Isometric Graft Placement. Orthop. Trans. 12: 450, 1988.
6. O'Meara, P.M.; O'Brien, W.R.; Henning, C.E. : Anterior Cruciate Ligament Reconstruction Stability with Continuous Passive Motion: The Role of Isometric Graft Placement. Orthop. Trans. 12: 544, 1988.
7. O'Meara, P.M.; O'Brien, W.R.; Henning, C.E.: Anterior Cruciate Ligament Reconstruction Stability with Continuous Passive Motion: The Role of Isometric Graft Placement. Orthop. Trans. 12: 743, 1988.
8. O'Brien, W.R.; Friederich, N.F.; Muller, W.; Henning, C.E.: The Effects of Stress Relaxation on Initial Graft Loads During Anterior Cruciate Ligament Reconstruction. Trans. Orthop. Res. Soc. 14: 213, 1989.

9. O'Brien, W .R.; Friederich, N.F.; Muller, W.; Henning, C.E.: The Effects of Stress Relaxation on Initial Graft Loads During Anterior Cruciate Ligament Reconstruction. *Orthop. Trans.* 13: 316-317, 1989.
10. Friederich, N .F.; O'Brien, W.R.; Muller, W.; Henning, C.E.: Anterior Cruciate Ligament Fiber Tension Patterns During Knee Motion. *Am. J. Sports Med.* 17: 699, 1989.
11. O'Brien, W.R .; Warren, R.F.; Friederich, N.F.; Muller, W.; Jackson. R.W .; James, PH.; Henning, C.E.: Lynch., M.A.: Degenerative Arthritis of the Knee Following Anterior Cruciate Ligament Injury: A Multicenter, Long-Term, Follow-up Study. *Am. J. Sports Med .* 17: 715-716, 1989.
12. O'Brien, W.R .; Warren. R .F.; Friederich, N.F.; Muller, W.; Jackson. R.W .; James. P .H.; Henning, C.E. . Lynch. M.A. : Degenerative Arthritis of the Knee Following Anterior Cruciate Ligament Injury: A Multicenter. Long-Term, Follow-up Study. *Orthop. Trans.* 13: 546, 1989.
13. O'Brien, W .R.; Friederich, N .F. ; Henning, C.E.; Muller, W: Effects of Stress Relaxation on Initial Graft Load During Anterior Cruciate Ligament Reconstruction. *Orthop. Trans.* 15: 811. 1991.
14. O'Brien, W.R.; Wong, K.; Friederich, N.F.: Anterior Cruciate Ligament Graft Loads During Knee Rehabilitation: An In Vitro Study. *Orthop. Trans.* 15: 811, 1991.
15. O'Brien, W.R.; Friederich, N.F.: Functional Anatomy of the Meniscomfemoral Ligaments. *Orthop. Trans.* 16: 38, 1992.

PRESENTATIONS

A. International Meetings:

1. Anterior Cruciate Ligament Substitute Load versus Tibial Positioning: An In Vitro Study. International Society of the Knee 5th Congress, Sydney, Australia, April 1987.
2. Functional Anatomy of the Cruciate Ligaments and their Substitutes: Biomechanical Basis for Clinical Application. ACL Study Group, Snowmass, Colorado, March 1988.
3. Functional Anatomy of the Cruciate Ligaments and their Substitutes: Part I: The Anterior Cruciate Ligament. European Society of Knee Surgery and Arthroscopy 3rd Congress, Amsterdam, The Netherlands, May 1988.
4. Functional Anatomy of the Cruciate Ligaments and their Substitutes. 1989 Hong Kong Sports Medicine Conference. Hong Kong, March 1989.
5. Degenerative Arthritis of the Knee Following Anterior Cruciate Ligament Injury: A Multicenter, Long-Term, Follow-up Study. International Society of the Knee, Rome, Italy, May 1989.

6. Anterior Cruciate Ligament Fiber Tension Patterns During Knee Motion. The First International Congress of Knee and Orthopaedic Sports Medicine Section of Western Pacific Orthopedic Association. Yokohama, Japan, July 1989.
7. Degenerative Arthritis of the Knee Following Anterior Cruciate Ligament Injury: A Multicenter, Long-Term, Follow-up Study. The First International Congress of Knee and Orthopedic Sports Medicine Section of Western Pacific Orthopedic Association. Yokohama, Japan , July 1989.
8. The History of Anterior Cruciate Ligament Surgery in Europe and North America. ACL Study Group. Engelberg Switzerland, March 1990.
9. Anterior Cruciate Ligament Graft Loads During Knee Rehabilitation: An In Vitro Study. ACL Study Group. Engelberg, Switzerland, March 1990.
10. Femoral Intercondylar Notch Impingement on Anterior Cruciate Ligament Substitutes. European Society of Knee Surgery and Arthroscopy 4th Congress, Stockholm, Sweden, June 1990.
11. Anterior Cruciate Ligament Graft Loads During Knee Rehabilitation: An In Vitro Study. American Orthopaedic Society for Sports Medicine Trans-Pacific Meeting, Kauai, Hawaii. January 1991.
12. Functional Anatomy of the Posterior Cruciate Ligament. ACL Study Group. Vail, Colorado. January 1992.
13. Knee Kinematics after Anterior Cruciate Ligament Reconstruction. ACL Study Group. Ischgl, Austria, March 1994.
14. Two-Dimensional Knee Kinematics after Anterior Cruciate Ligament Reconstruction: The Role of Isometric Graft Placement. Combined Congress of the International Arthroscopy Association and the International Society of the Knee. Hong Kong, May 1995.

A1. International Meetings (Papers Co-authored):

1. Functional Anatomy of the Cruciate Ligaments and their Substitutes: Part II. The Posterior Cruciate Ligament. European Society of Knee Surgery and Arthroscopy 3rd Congress, Amsterdam, The Netherlands, May 1988. Presented by N.F. Friederich.
2. Anterior Cruciate Ligament Fiber Tension Patterns During Knee Motion. International Society of the Knee, Rome, Italy, May 1989. "Best Paper" Award. Presented by N.F. Friederich.
3. Posterior Cruciate Ligament Fiber Tension Patterns During Knee Motion. First International Congress of Knee and Orthopedic Sports Medicine Section of Western Pacific Orthopedic Association. Yokohama, Japan, July 1989. Presented by N.F. Friederich.

4. The Effects of Stress Relaxation on Initial Graft Loads During Anterior Cruciate Ligament Reconstruction. First International Congress of Knee and Orthopedic Sports Medicine Section of Western Pacific Orthopedic Association. Yokohama, Japan, July 1989. Presented by N.F. Friederich.
5. The Effects of Stress Relaxation on Initial Graft Loads During Anterior Cruciate Ligament Reconstruction. ACL Study Group. Engelberg, Switzerland, March 1990. Presented by N.F. Friederich.
6. Functional Anatomy of the Meniscomfemoral Ligaments. European Society of Knee Surgery and Arthroscopy 4th Congress, Stockholm, Sweden, June 1990. Presented by N.F. Friederich.
7. Anatomy of the Posterior Cruciate Ligament. International Symposium "Progress in Knee Ligament Surgery" Medizinische Hochschule Hannover, Hannover, FRG, September 1990. Presented by N.F. Friederich.
8. Functional Anatomy of the Meniscomfemoral Ligaments. International Society of the Knee, Toronto, Ontario, Canada, May 1991. ESKA Award Paper. Presented by N.F. Friederich.
9. Isometricity Measurements in Anterior Cruciate Ligament Reconstruction. International Society of the Knee, Toronto, Ontario, Canada, May 1991. Presented by N.F. Friederich.
10. Fiber Recruitment of the Cruciate Ligaments During Tibial Translation: Mathematical Theory and In Vitro Measurements. International Society of the Knee, Toronto, Ontario, Canada, May 1991. Presented by A. Zavatsky.
11. Anterior Cruciate Ligament Graft Loads During Knee Motion and Simulated Exercises. ACL Study Group. Ischgl, Austria, March 1994. Presented by N.F. Friederich.

B. National Meetings USA:

1. The Metaphyseal-Diaphyseal Angle as a Guide to Treating Supracondylar Fractures of the Humerus in Children. American Academy of Orthopaedic Surgeon 5th Annual Meeting, San Francisco, California, January 1987.
2. Anterior Cruciate Ligament Substitute Load versus Tibial Positioning: An In Vitro Study. American Orthopedic Society for Sports Medicine Interim Meeting, San Francisco, California, January 1987.
3. Femoral Intercondylar Notch Impingement on Anterior Cruciate Ligament Substitutes. American Orthopedic Society for Sports Medicine 13th Annual Meeting, Orlando, Florida, June 1987.

4. Degenerative Arthritis of the Knee Following Anterior Cruciate Ligament Injury. A Multicenter, Long-Term, Follow-up Study. American Academy of Orthopaedic Surgeons 56th Annual Meeting, Las Vegas, Nevada, February 1989.
5. Anterior Cruciate Ligament Graft Loads During Knee Rehabilitation: An In Vitro Study. American Academy of Orthopaedic Surgeons 58th Annual Meeting, Anaheim, California, March 1991.
6. Functional Anatomy of the Meniscomfemoral Ligaments. American Orthopaedic Society for Sports Medicine 17th Annual Meeting, Orlando, Florida, June 1991.

B1. National Meetings USA (Papers Co-authored):

1. Anterior Cruciate Ligament Reconstruction Stability with Continuous Passive Motion: The Role of Isometric Graft Placement. American Orthopaedic Association Residents' Conference, Cambridge, Massachusetts, March 1988. Presented by P.M. O'Meara.
2. Isometricity Measurements in Anterior Cruciate Ligament Reconstruction. American Orthopaedic Society for Sports Medicine Interim Meeting, Las Vegas, Nevada, February 1989. Presented by N.F. Friederich.
3. Effects of Stress Relaxation on Initial Graft Loads During Anterior Cruciate Ligament Reconstruction. American Academy of Orthopaedic Surgeons 58th Annual Meeting, Anaheim, California, March 1991. Presented by N.F. Friederich.
4. Effects of Stress Relaxation On Initial Graft Loads During Anterior Cruciate Ligament Reconstruction. American Orthopaedic Society for Sports Medicine Interim Meeting, Anaheim, California, March 1991. Presented by N.F. Friederich.

C. National Meetings of Foreign Countries:

1. Femoral Intercondylar Notch Impingement on Anterior Cruciate Ligament Substitutes. XVth Annual Meeting of the Japanese Orthopaedic Society for Sports Medicine, Sapporo, Japan, July 1989.

C1. National Meetings of Foreign Countries (Papers Co-authored):

1. Isometricity Measurements in Anterior Cruciate Ligament Reconstruction. XVth Annual Meeting of the Japanese Orthopaedic Society for Sports Medicine, Sapporo, Japan, July 1989. Presented by N.F. Friederich.

2. Functional Anatomy of the Anterior Cruciate Ligament: Fiber Tension Patterns during Knee Motion. Ninth Congress of the Hungarian Orthopaedic Association, Budapest, Hungary, August 1989. Presented by N.F. Friederich.

D. Regional and Local Meetings, USA:

1. Supracondylar Fractures of the Humerus in Children. Children's Orthopedic Day, The Children's Hospital, Denver, Colorado, March 1986.
2. New Research and Future Developments in Knee Surgery. Grand Rounds, Physical Performance & Rehabilitation Center, St. Louis, Missouri, February, 1988.
3. Ligament Examination of the Acutely Injured Knee. Athletic Injury Lecture Series, Sherman Oaks Community Hospital, Sherman Oaks, California, September 3, 1988.
4. New Trends in Rehabilitation after Anterior Cruciate Ligament Reconstruction. Athletic Injury Lecture Series, Sherman Oaks Community Hospital, Sherman Oaks, California, November 5, 1988.
5. New Concepts in Cruciate Ligament Biomechanics and Reconstruction. Orthopedic Grand Rounds, UCLA Medical Center, Los Angeles, California, November 5, 1988.
6. Differential Diagnosis of Anterior Knee Pain. Athletic Injury Lecture Series, Sherman Oaks Community Hospital, Sherman Oaks, California, December 10, 1988.
7. New Concepts in Cruciate Ligament Biomechanics and Reconstruction. Orthopedic Grand Rounds, Harbor/UCLA Medical Center, Torrance, California, November 1988.
8. Anabolic Steroids and the Athlete. Athletic Injury Lecture Series, Sherman Oaks Community Hospital, Sherman Oaks, California, January 7, 1989.
9. Meniscus Repair: Athletic Injury Lecture Series, Sherman Oaks Community Hospital, Sherman Oaks, California, February 1989.
10. Sports Injuries: Prevention and Immediate Care. Conference for Juvenile Court Health Services Nursing Staff, Camp Kilpatrick, Malibu, California, May 25, 1989.
11. Recent Research in Anterior Cruciate Ligament Biomechanics and Reconstruction. Orthopedic Grand Rounds, Santa Monica Hospital Medical Center, September 12, 1989.
12. Overuse Injuries. Orthopedic Core Curriculum, Family Practice Residency, Santa Monica Hospital Medical Center, September 20, 1989.
13. Meniscus Repair: Indications, Techniques, and Results. Orthopedic Grand Rounds, UCLA Medical Center, Los Angeles, California, October 28, 1989.

14. Orthopedic Injuries due to Body-Contact Sports. Conference for Juvenile Court Health Services Nursing Staff, Olive View Medical Center, Sylmar, California, November 1, 1989.
15. Meniscus Repair: Indications, Techniques, and Results. Orthopedic Grand Rounds, Harbor/UCLA Medical Center, Torrance, California, November 8, 1989.
16. Functional Anatomy of the Anterior Cruciate Ligament. American College of Sports Medicine Southwest Chapter, San Diego, California, December 2, 1989.
17. Differential Diagnosis of Anterior Knee Pain. Continuing Education, Physical Therapy Department, St. John's Hospital and Health Center, Santa Monica, California, January 10, 1990.
18. Meniscus Repair: Indications, Techniques, and Results. Orthopedic Grand Rounds, University of Irvine, California, Orange, California, January 31, 1990.
19. Meniscus Repair: Indications, Techniques, and Results. Sports Medicine Club, Pepperdine University, Malibu, California, February 20, 1990.
20. Meniscus Repair: Indications, Techniques, and Results. Los Angeles Chapter, Western Orthopaedic Association. Dana Point, California, March 31, 1990.
21. Anterior Cruciate Ligament Reconstruction and Meniscus Repair. Santa Monica Hospital Medical Center Operating Room Staff In-Service. Santa Monica, California, May 1990.
22. Diagnosis and Treatment of Knee Ligament and Meniscal Injuries. Orthopedic Core Curriculum, Family Practice Residency, Santa Monica Hospital Medical Center, Santa Monica, California, May 16, 1990.
23. Seminar on Anterior Cruciate Ligament. Orthopedic Grand Rounds, Santa Monica Hospital Medical Center, October 9, 1990.
24. Differential Diagnosis of Anterior Knee Pain. In-service, Physical Therapy Department, Santa Monica Hospital Medical Center, Santa Monica, California, November 28, 1990.
25. Biomechanics and Reconstruction of the Posterior Cruciate Ligament. Orthopedic Grand Rounds, Harbor/UCLA Medical Center, Torrance, California, January 9, 1990.
26. Biomechanics and Reconstruction of the Posterior Cruciate Ligament. Orthopedic Basic Science Curriculum. Loma Linda University Medical Center, Loma Linda, California, April 4, 1991.
27. Injury Prevention In Roller Blade. Pre-Game Sports Medicine Training Clinic, Los Angeles Clippers Professional Basketball, Los Angeles, California, April 17, 1991.
28. Biomechanics and Reconstruction of the Posterior Cruciate Ligament. Western Orthopaedic Association, Los Angeles Chapter. La Quinta, California, April 27, 1991.

29. Sports Medicine Around the World. Malibu Rotary Club, Malibu, California, July 31, 1991.
30. Prevention and Treatment of Common Orthopedic Injuries. Employee Safety Committee, Hughes Research Laboratories, Malibu, California, February 28, 1992.
31. Biomechanics of the Anterior and Posterior Cruciate Ligament. Orthopedic Grand Rounds, USC Medical Center, Los Angeles, California, April 7, 1994.

D1. Regional and Local Meetings USA (Papers Co-authored):

1. Anterior Cruciate Ligament Reconstruction Stability with Continuous Passive Motion: The Role of Isometric Graft Placement. Kansas State Orthopedic Society, Kansas City, Kansas, October 1987. Presented by P.M. O'Meara.
2. Anterior Cruciate Ligament Reconstruction Stability with Continuous Passive Motion: The Role of Isometric Graft Placement. San Antonio, Texas, November 1987. Presented by P.M. O'Meara.
3. Anterior Cruciate Ligament Reconstruction Stability with Continuous Passive Motion: The Role of Isometric Graft Placement. Tucson, Arizona, March 1988. Presented by P.M. O'Meara.

E. Regional and Local Meetings of Foreign Countries:

1. Anterior Cruciate Ligament Substitute Load versus Tibial Positioning: An In Vitro study. Kantonsspital Bruderholz, Bruderholz, Switzerland, January 1987.
2. International Research in Knee Ligaments. Grand Rounds, Orthopaedic & Arthritic Hospital, Toronto, Ontario, Canada, November 1987.
3. Custom Patellofemoral Replacement. Orthopedic Grand Rounds, Kantonsspital Bruderholz, Bruderholz, Switzerland, May 1989.

E1. Regional and Local Meetings of Foreign Countries (Papers Co-authored):

1. Functional Anatomy of the Cruciate Ligaments. Orthopedic Grand Rounds, University Clinic, Ulm, West Germany, October 20, 1989. Presented by N.F. Friederich.
2. Functional Anatomy of the Cruciate Ligaments. Orthopedic Grand Rounds, Schulthes Clinic, Zurich, Switzerland, November 1989. Presented by N.F. Friederich.
3. Zur funktionellen Anatomie des Kreuzbänder Fortbildung. Orthopädische Klinik, Burgerspital Solothurn, Switzerland, June 19, 1990. Presented by N.F. Friederich.

4. Functional Anatomy of Cruciate Ligaments. Orthopedic Clinic, University Debrecen, Hungary. October 24, 1990. Presented by N.F. Friederich.
5. Isometricity Measurements in ACL Reconstruction. Orthopaedic Clinic, University of Debrecen, Hungary. October 24, 1990. Presented by N.F. Friederich.

INVITED COURSE FACULTY

A. International Meetings:

1. Lecturer, Laboratory Session: Knee Anatomy & Biomechanics, European Society of Knee Surgery and Arthroscopy 3rd Congress, Amsterdam, The Netherlands, May 1988.
2. Instructor, Laboratory Session: Knee Anatomy, European Society of Knee Surgery and Arthroscopy 4th Congress, Stockholm, Sweden, May 1990.
3. Moderator, Scientific Session: ACL Study Group, Ischgl, Austria, March 1994.

B. National Meetings of Foreign Countries:

1. XVth Annual Meeting of the Japanese Orthopaedic Society for Sports Medicine. Sapporo, Japan, July 1989.

2. Lecturer, Tenth Symposium of Traumatology and Orthopedics Related to Sports Medicine. Orthopedic Surgeons, Guatemalan Social Security. Guatemala City, Guatemala, May 1992.

Lectures:

- 1) Meniscectomy and Meniscus Repair
- 2) Patellofemoral Disorders
- 3) Injuries and Surgery of the Anterior Cruciate Ligament
- 4) Injuries and Surgery of the Posterior Cruciate Ligament

3. Instructor, Hands-On Cadaver Lab, Arthroscopy of Knee and Ankle, Dutch Arthroscopy Association. University of Utrecht, The Netherlands, December 8-10, 1992.

Moderation and Lab Instruction:

- 1) Posterior Cruciate Ligament Reconstruction
- 2) Knee Anatomy Dissection

Lectures:

- 1) Meniscus Repair
- 2) Posterior Cruciate Ligament Reconstruction

4. Lecturer, Arthroscopy of Knee and Ankle Congress, Dutch Arthroscopy Association. Amsterdam, The Netherlands, December 11-12, 1992.

Lectures:

- 1) Anatomy and Pathophysiology of the Cruciate Ligaments
- 2) MRI versus Arthroscopy in Diagnosis of Knee Injuries
- 3) Patellar Bone-Tendon-Bone ACL Reconstruction
- 4) Augmentation Techniques in ACL Surgery
- 5) Intra-articular Fractures, Osteochondral Fractures about the knee

C. Regional and Local Meetings (USA):

1. Crystalline Joint Disease. Guest Lecture, Physical Therapy Student Curriculum, Wichita State University, Wichita, Kansas, April 1986.
2. Differential Diagnosis of Anterior Knee Pain. Guest Lecture, Physical Therapy Student Curriculum, California State University - Northridge, Northridge, California. July 26, 1989.
3. New Trends in Rehabilitation after Anterior Cruciate Ligament Reconstruction. Guest Lecture, Physical Therapy Student Curriculum, California State University - Northridge, Northridge, California, July 26, 1989.
4. Structure, Function, and Reconstruction of the Knee. Guest Lecture, Physical Therapy Student Curriculum, Clinical Pathology. Children's Hospital, Los Angeles, California, June 7, 1990.
5. Normal Function and Pathology of the Knee. Guest Lecture, Physical Therapy Student Curriculum. Clinical Pathology. Children's Hospital, Los Angeles, California, May 10, 1991.
6. Biomechanics and Reconstruction of the Anterior Cruciate Ligament. Guest Lecture, Research Day, University Hospital, Quebec City, Quebec, Canada, April 26, 1991.

SCIENTIFIC EXHIBITS

A. International Meetings:

1. The Effects of Stress Relaxation on Initial Graft Loads During Anterior Cruciate Ligament Reconstruction. European Society of Knee Surgery and Arthroscopy 4th Congress, Stockholm, Sweden, June 1990.
2. Fiber Tension Patterns of the Cruciate Ligaments During Passive Knee Motion: Mathematical Theory and In Vitro Measurements. International Society of the Knee. Toronto, Ontario, Canada, May 1991.
3. Anterior Cruciate Ligament Reconstruction Stability with Continuous Passive Motion: The Role of Isometric Graft Placement. European Society of Knee Surgery and Arthroscopy 3rd Congress, Amsterdam, The Netherlands, May 1988. Principal Exhibitor: P.M. O'Meara.

B. National Meetings USA:

1. The Metaphyseal-Diaphyseal Angle as a Guide to Treating Supracondylar Fractures of the Humerus in Children. American Academy of Orthopaedic Surgeons 54th Annual Meeting, San Francisco, California, January 1987.
2. The Effects of Stress Relaxation on Initial Graft Loads during Anterior Cruciate Ligament Reconstruction. Orthopaedic Research Society, Las Vegas, Nevada, February 1989.
3. Functional Anatomy of the Cruciate Ligaments and their Substitutes: Biomechanical Basis for Clinical Application. American Academy of Orthopaedic Surgeons 56th Annual Meeting, Las Vegas, Nevada, February 1989.
4. Functional Anatomy of the Cruciate Ligaments. American Academy of Orthopaedic Surgeons 57th Annual Meeting, New Orleans, Louisiana, February 1990.
5. Effects of Stress Relaxation on Initial Graft Loads During Anterior Cruciate Ligament Reconstruction. American Academy of Orthopaedic Surgeons 58th Annual Meeting, Anaheim, California, March 1991.
6. How Important is Isometric Placement of Cruciate Ligament Substitutes? American Academy of Orthopaedic Surgeons 58th Annual Meeting, Washington D.C., February 1992.

B1. National Meetings USA (Co-exhibitor):

1. Anterior Cruciate Ligament Reconstruction Stability with Continuous Passive Motion: The Role of Isometric Graft Placement. Orthopaedic Research Society 34th Annual Meeting, Atlanta, Georgia, February 1988. Principal Exhibitor: P.M. O'Meara.
2. Anterior Cruciate Ligament Reconstruction Stability with Continuous Passive Motion: The Role of Isometric Graft Placement. 101st American Orthopaedic Association, Hot Springs, Virginia, June 1988. Principal Exhibitor: P.M. O'Meara.
3. How Important is Isometric Placement of Cruciate Ligament Substitutes? American Academy of Orthopaedic Surgeons 57th Annual Meeting, New Orleans, Louisiana, February 1990. Principal Exhibitor: N.F. Friederich.

VIDEOTAPE PROGRAMS

A. International Meetings:

1. Functional Anatomy of the Cruciate Ligaments. European Society of Knee Surgery and Arthroscopy 4th Congress, Stockholm, Sweden, June 1990.

B. National Meetings USA:

1. Functional Anatomy of the Cruciate Ligaments. Individual Orthopedic Instruction. American Academy of Orthopaedic Surgeons 57th Annual Meeting, New Orleans, Louisiana, February 1990. "1990 Top Videotape Programs."
2. Functional Anatomy of the Cruciate Ligaments. Individual Orthopedic Instruction. American Academy of Orthopaedic Surgeons 58th Annual Meeting, Anaheim, California, March 1991. "1991 Award Videotape Program."
3. Functional Anatomy of the Cruciate Ligaments. Individual Orthopedic Instruction. American Academy of Orthopedic Surgeons 59th Annual Meeting, Washington D.C., February 1992.

ORTHOPEDIC/LAY NEWSPAPER ARTICLES

1. Important Highlights of Recent ESKA Congress. AOSSM Meeting Reporter 1 (2): 6, 1988.
2. Degenerative Arthritis in the ACL-Injured Knee Studied Over Long Term. Medical Meeting Monitor. Highlights of the American Academy of Orthopaedic Surgeons 56th Annual Meeting. Page 9.
3. Save Meniscus To Combat Arthritis. Sports Medicine News. page 14, May 1989.
4. Meniscectomy After ACL Injury Can Presage Degenerative Arthritis. Orthopedics Today 9 (6): 41, June 1989.
5. Meniscectomy Indicted as Culprit in Post-ACL Injury Arthritis Orthopedic News 11 (5): 2-3, September/October 1989.
6. News on Knees. Running & Fit News (American Running and Fitness Association). 7 (11): 3, November 1989.
7. Motion is Lotion for Arthritic Joints. Eldermed Quarterly Newsletter. Spring 1991.