

CURRICULUM VITAE

Frank Robert Noyes, M.D.

Updated: 6/27/08

CLINICAL ADDRESS

Cincinnati Sportsmedicine and Orthopaedic Center
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ACADEMIC ADDRESS

Cincinnati Sportsmedicine Research and Education Foundation
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www.sportsmetrics.net

EDUCATION

Undergraduate: University of Utah, 1962
Degree: A.B., Philosophy

Medical School: George Washington University Medical School, 1966
Degree: M.D., Honors: cum laude

Internship: University of Michigan Medical Center, 1966 – 1967

Assistant Resident: University of Michigan Medical Center, 1967 – 1968

Residency: University of Michigan Medical Center, Division of Orthopaedic Surgery, 1968 – 1971

PRESENT EMPLOYMENT

Chairman and Medical Director, Cincinnati SportsMedicine and Orthopaedic Center,
Cincinnati, Ohio, 1981 - present

President, Cincinnati SportsMedicine Research and Education Foundation, Cincinnati, Ohio,
1985 - present

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PRESENT FACULTY APPOINTMENTS, University of Cincinnati, Cincinnati, Ohio

Clinical Professor, Department of Orthopaedic Surgery, 1981 - present

Adjunct Professor, Department of Biomedical Engineering, University of Cincinnati College of Medicine and College of Engineering, 1981 - present

PREVIOUS UNITED STATES AIR FORCE APPOINTMENT

Lieutenant Colonel: Joint Assignment – Medical Center Staff, Orthopaedic Surgeon and Aerospace Medical Research, 1971 – 1975

PREVIOUS FACULTY APPOINTMENTS, Wright State University, Dayton, Ohio

Laboratory Senior Research Associate, Division of Biodynamics and Bionics, Wright-Patterson Air Force Base, 1971 – 1975

Adjunct Associate Professor, College of Medicine, Department of Physiology, 1973 – 1975

PREVIOUS FACULTY APPOINTMENT, Ohio State University, Columbus, Ohio

Adjunct Clinical Professor, Department of Veterinary Medicine, 1975-1981

PREVIOUS FACULTY APPOINTMENTS, University of Cincinnati, Cincinnati, Ohio

Assistant Professor, Department of Orthopaedic Surgery, 1975 – 1977

Director, Sports Medicine Institute, 1975 – 1981

Director, Orthopaedic Research, 1975 – 1981

Co-Director, Orthopaedic Biomechanics and Sports Medicine Laboratory, 1975 – 1981

Adjunct Professor of Biomechanics, Department of Engineering Analysis, College of Engineering, 1975 – 1981

Associate Professor, Orthopaedic Surgery, 1977 – 1979

Professor, Department of Orthopaedic Surgery, 1980 – 1981

Adjunct Professor, Department of Health, Physical Education and Nutrition, 1980 – 1981

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PRESENT AND PRIOR TEAM PHYSICIAN COMMITMENTS

University of Cincinnati (all athletic teams), 1975 – 1983

Cincinnati Bengals, 2000 – 2001

Cincinnati Riverhawks, 2001 - 2003

Orthopaedic Consultant, Cincinnati Gymnastics Academy, 1991 – present

Cincinnati Sizzle, 2005 - present

BOARD CERTIFICATION

American Board of Orthopaedic Surgery, September 22, 1972

BOARD EXAMINER

American Board of Orthopaedic Surgeons, 1978 – 1985

HOSPITAL APPOINTMENTS, Cincinnati, Ohio

Deaconess Hospital

Jewish Hospitals

Bethesda Hospital

Children's Hospital Medical Center

University Hospital

PREVIOUS CONSULTANT APPOINTMENTS

Food & Drug Administration- Panel Member, Internal Prosthesis Devices, Subcommittee of Orthopaedic Device Classification Panel, 1976 – 1979

United States Air Force, Aerospace Medical Research, Laboratory, Division of Biodynamics and Bionics, Wright Patterson AFB, Dayton, Ohio, 1976 – 1978

CURRENT SOCIETY MEMBERSHIPS

Academy of Medicine of Cincinnati

Alpha Omega Alpha Honor Medical Society

American, British and Canadian Club

American Academy of Orthopedic Surgeons

American College of Sports Medicine

American Medical Association

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American Orthopaedic Association
American Orthopaedic Society for Sports Medicine
Arthroscopy Association of North America
Association of Bone and Joint Surgeons
Cincinnati Orthopaedic Society
European Society of Sports Traumatology and Knee Surgery and Arthroscopy
Herodius Society
International Society of the Knee
Michigan Orthopaedic Alumni Society
Mid- America Orthopaedic Association
Ohio Orthopaedic Society
Ohio State Medical Association
Orthopaedic Research Society

ACADEMIC AWARDS AND CAREER HONORS

AOSSM Hall of Fame, 2008

Presented by the American Orthopaedic Society for Sports Medicine

This honor is presented to members of the orthopaedic sports medicine community who have contributed significantly to the specialty and who are nominated by their peers.

OREF Clinical Research Award, 2004

Presented jointly by the Orthopaedic Research and Education Foundation and the American Academy of Orthopaedic Surgeons.

This award recognizes the most distinguished clinical research project related directly to musculoskeletal disease or injury in the entire field of orthopaedics.

John Kennedy Memorial Lectureship, 2004

The honor of presenting this distinguished lectureship is given annually by the President of the American Orthopaedic Society of Sports Medicine to one physician to recognize an outstanding career as orthopaedic surgeon, educator, and researcher.

George D. Rovere Award of Excellence, 1997

Presented by the American Orthopaedic Society for Sports Medicine.

This award recognizes one physician annually as the distinguished educator of the year in the subspecialty of sports medicine

Excellence in Research Award, 1997

Presented by the American Orthopaedic Society for Sports Medicine.

This honor is presented to the most outstanding paper submitted in all categories within the subspecialty of sports medicine, with the primary author under the age of 40.

Award of Excellence, 1989

Presented by the University of Cincinnati.

The highest honor given by the University of Cincinnati, this award was provided to Dr. Noyes in recognition of his accomplishments as a physician, educator and scientist for work that earned international acclaim due to fundamental thinking, clarity of expression and continued leadership.

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O'Donoghue Award, 1988

Presented by the American Orthopaedic Society of Sports Medicine.

This award is the highest honor given for outstanding clinical and laboratory efforts applicable to the understanding, care, and prevention of sports injuries.

Kappa Delta Award, 1977

Presented by the American Academy of Orthopaedic Surgeons.

This is the highest award presented annually for outstanding research in the entire field of orthopedics

Detroit Academy of Orthopaedic Surgeons, First Prize For Research

Detroit, Michigan, 1969, 1971

Horwitz Surgery Prize, Outstanding Student Graduating Class

George Washington Medical School, 1966

Scholarship Award

George Washington Medical School, 1965

Mosby Award, Scholastic Excellence

George Washington Medical School, 1965

U.S.P.H.S., Research Recipient Award

George Washington Medical School, 1963, 1964

U.S.P.H.S., Fellowship for Epidemiology Research

University of California, Berkley, California, 1962

OTHER AWARDS AND PERSONAL HONORS

Selected as one of the Best Doctors in America

1992 – 2008

Runner's World All-Star Team, 1984

7th Annual Memorial Jacques Jenny Lecturer, 1980.

7th Annual Veterinary Orthopaedic Society Meeting. February 23-29, 1980, M/S Southward Cruise Ship

American Orthopaedic Association – Traveling Fellow to Great Britain, 1979

American British Canadian, Orthopaedic Exchange Fellowship of the American Orthopaedic Association.

Cincinnati Public High School Athletic League: "Sportsman of the Year", 1978-1979

AMA's Physician Recognition Award

The Department of Continuing Medical Education, 1971, 1975, 1976, 1977

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EDITORIAL BOARD APPOINTMENTS

Journal of Orthopaedic and Sports Physical Therapy, Member Editorial Board, 1979
Journal of Orthopaedic Research, Associate Editor, 1982
Medicine and Science in Sports and Exercise, Editorial Board Member, 1982
Sports Medicine, Honorary Editorial Board, 1983
Clinical Orthopaedics and Related Research, Associate Editor, 1985
Orthopaedic and Sports Medicine News, Arthroplasty Board, 1990
Journal of Orthopaedic Science, Journal of the Japanese Orthopaedic Association Editorial Advisory Board, 1997
Orthopaedics, Sports Medicine Section Editor, 1986 - present
Knee Surgery, Sports Traumatology, Arthroscopy, 1999 – 2003
Techniques in Knee Surgery, 2002 - present

CURRENT EDITORIAL REVIEW APPOINTMENTS

American Journal of Sports Medicine
Clinical Orthopaedics and Related Research
Journal of Bone and Joint Surgery
Journal of Orthopaedics and Sports Physical Therapy
Arthroscopy

PAST NATIONAL COMMITTEE APPOINTMENTS

Wright Patterson Air Force Base, Research Review Committee, Panel Member:
1971 - 1974, Chairman: 1974 – 1975

American Academy of Orthopaedic Surgeons, Committee on Biomedical Engineering, Member:
1977

American Academy of Orthopaedic Surgeons, Committee on Sports Medicine, Member: 1977

National Research Council Committee on Hearing, Bioacoustics & Biomechanics, Member:
1977

Holmes Hospital/University of Cincinnati Medical Center, Utilization Review Committee,
Member: 1977 – 1978

American Orthopaedic Society for Sports Medicine, Committee on Research and Education,
Member: 1978 – 1981, Chairman, Biomechanics Section: 1978 – 1981

United States Olympic Committee, Research Committee, Member: 1980 – 1989

American Academy of Orthopaedic Surgeons, Board of Directors: 1980 – 1981

University of Cincinnati Medical Center, Department of Orthopaedic Surgery, Promotions

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Committee, Chairman: 1980 – 1981

American Academy of Orthopaedic Surgeons, Committee on the Knee, Member: 1981

American Orthopaedic Society for Sport Medicine, Research Committee, Chairman: 1981 – 1986

Cincinnati Public School- Board of Education, Committee on Medical Education, Member: 1982 – 1986

United States Olympic Committee, Biomechanics Advisory Panel, Member: 1984

National Institutes of Health, Advisory Panel, Member: 1984

Sports Medicine Advisory Committee, United States Soccer Federation, Chairman: 1987 – 1989

National Arthritis Advisory Board of the National Institute of Health, Board Member: January 1987 – April 1, 1991

Director, Quality Management Committee, Cincinnati Regional Orthopaedic Sports Medicine Association, 1995 – 1998

American Orthopaedic Society for Sports Medicine, Fellowship Directors Society, Member: 1990 – present

USA Gymnastics Professional, Member: 1997 – present

UnitedHealth Networks Musculoskeletal Scientific Advisory Board Member, March 2004 - present

MAJOR NATIONAL AND INTERNATIONAL PRESENTATIONS

1. Visiting Professor, Massachusetts General Hospital, Department of Orthopaedic Surgery, March 29, 1980.
2. Visiting Professor, Samuel Higby Camp Lectureship in Biomechanics, University of Michigan Medical Center, Division of Orthopaedic Surgery, Ann Arbor, Michigan, April 11-12, 1980.
3. Visiting Professor, University of Pennsylvania, Department of Orthopaedic Surgery – Bioengineering for the Olympic Surgeon, June 6-7, 1980.
4. Visiting Professor, University of Rochester Medical Center, Department of Orthopaedic Surgery, Rochester, New York, October 16-17, 1980.
5. Visiting Professor, Institute of Sports Medicine and Athletic Trauma, Lenox Hill Hospital, New York, New York, March 16, 1981.
6. Visiting Professor, Methodist Hospital, Department of Orthopaedic Surgery, Louisville, Kentucky, July 27, 1981.
7. Visiting Professor, Jefferson Orthopaedic Society, Jefferson Medical College of Thomas Jefferson University, Philadelphia, Pennsylvania, November 19-20, 1981.
8. Visiting Professor, Wright State University, Dayton, Ohio, March 23, 1982.
9. Invited Faculty, Dayton Surgical Society, Dayton, Ohio, March 23, 1982.

10. Visiting Professor, The University of Chicago, Department of Surgery, Section of Orthopaedics: Howard Hatcher Visiting Professor, Chicago, Illinois, May 13-15, 1982.
11. Invited Faculty, Chicago Orthopaedic Society, Chicago, Illinois, May 14, 1982.
12. Visiting Professor, The University of Iowa, Iowa Orthopaedic Alumni Association, Iowa City, Iowa, October 14-15, 1982.
13. Visiting Professor, The University of Minnesota, Department of Orthopedic Surgery, Minneapolis, Minnesota, April 12-13, 1983.
14. Visiting Professor, Northwestern University, Chicago, Illinois, May 1-2, 1987.
15. Visiting Professor, University of Minnesota, July 8, 1987.
16. Visiting Professor, University of Utah, Salt Lake City, Utah, September 9, 1989.
17. Visiting Professor, University of Hospital, London, Ontario, October 17-18, 1981.
18. Invited Faculty, St. Louis Arthroscopy Association, St. Louis, Missouri, November 5, 1991.
19. Visiting Professor, John Hopkins University, Baltimore, Maryland, December 5-7, 1991.
20. Visiting Professor, Ohio State University, Columbus, Ohio, May 8, 1992.
21. Invited Faculty, National Association of Orthopaedics Nurses, Cincinnati, Ohio, May 20, 1992.
22. Invited Faculty, Indianapolis Orthopaedic Club, Indianapolis, Indiana, September 16, 1992.
23. Presidential Invited Faculty, Basel International Knee Congress, Basel, Switzerland, September 22-26 1992.
24. Invited Faculty, 66th Annual Meeting of Japanese Orthopaedic Association, Kobe, Japan, April 8-11, 1993.
25. Presidential Invited Faculty, Brazilian Meeting of Knee Surgery, Sao Paulo, Brazil, November 18-20, 1993.
26. Invited Faculty, 1994 Injuries Baseball Course, American Sports Medicine Institute, Birmingham, Alabama, January 20-23, 1994.
27. Invited Faculty, Cincinnati Chapter OR Nurses, Cincinnati, Ohio, June 14, 1994.
28. Invited Faculty, John Hopkins, Advances in Orthopaedic Biomechanics and Their Clinical Applications Symposium, Baltimore, Maryland, October 27-30, 1994.
29. Presidential Invited Faculty, French Orthopaedics Society Annual Congress, Paris, France, November 8-11, 1994.
30. Invited Faculty, AAOS Comprehensive Course, Steamboat Springs, Colorado, January 5-8, 1995.
31. Invited Faculty, Robert Metcalf, M.D. Memorial Course, Sun Valley Idaho, January 18-21, 1995.
32. Invited Faculty, Sports Medicine 2000, Stockholm, Sweden, June 6-8, 1995.
33. Presidential Invited Faculty, Knee Surgery Course, Rio de Janeiro, Brazil, April 18-21, 1996.
34. Invited Faculty, Australian Orthopaedic Association COE Meeting, Hamilton Island, Australia, July 17-20, 1996.
35. Presidential Invited Faculty, 2nd Basel International Knee Congress and Instructional Course Basel, Switzerland, September 25-28, 1996.
36. Invited Faculty, AAOS Comprehensive Course: The Athletic Perspective on Treatment, Controversies and Problem Solving, Steamboat Springs, Colorado, March 18-22, 1997.
37. Invited Faculty, Comprehensive Knee Surgery for Sports Trauma Techniques the Well-Armed Surgeon Should Know, Lake Buena Vista, Florida April 4-6, 1997.
38. Visiting Professor, University of Kentucky, Lexington, Kentucky, June 13-14, 1997.
39. Invited Faculty, Distinguished Lecture Series, American Sports Medicine Institute, Birmingham, Alabama, November 3, 1997.
40. Presidential Invited Faculty, 5th GCC Orthopaedic Congress, Saudi Arabian Orthopaedic Society, Jeddah, Saudi Arabia, December 6-9, 1997.
41. Invited Faculty, AAOS Comprehensive Course: The Athletic Perspective to Treatment, Controversies and Problem Solving, Marco Island, Florida, February 5-8, 1998.
42. Invited Faculty, AAOS and AOSSM Comprehensive Course: The Athletic Perspective to

- Treatment, Controversies and Problem Solving, Steamboat Springs, Colorado, March 3-7, 1999.
43. Invited Faculty, Comprehensive Knee Surgery for Sports Trauma, Rosemont, Illinois, October 28-30, 1999.
 44. Invited Faculty, MR Conference, Cincinnati, Ohio, October 15-17, 1999.
 45. Invited Faculty, Barcelona Sports Medicine and Traumatology, Barcelona, Spain, October 28-30, 1999.
 46. Invited Faculty, Arthroscopy and Reconstructive Surgery 2000: The Robert W. Metcalf, M.D. Memorial, Scottsdale, Arizona, January 11-15, 2000.
 47. Invited Faculty, AAOS and AOSSM Comprehensive Course: The Athletic Perspective to Treatment, Controversies and Problem Solving, Phoenix, Arizona, February 3-6, 2000.
 48. Invited Faculty, University of Pittsburgh Panther Symposium, Pittsburgh, Pennsylvania, May 3-6, 2000.
 49. Visiting Professor, University of Pittsburgh, Pittsburgh, Pennsylvania, October 2-4, 2000.
 50. Invited Faculty, AAOS and AOSSM Comprehensive Course: The Athletic Perspective to Treatment, Controversies and Problem Solving, Lake Tahoe, Nevada, Feb. 31-March 4, 2001.
 51. Instructional Course Lecture: Posterolateral Reconstructions, 69th Annual Meeting of the American Academy of Orthopaedic Surgeons, Feb. 15, 2002.
 52. Instructional Course Lecture: Biomechanics and Function of the PCL for Reconstruction, 69th Annual Meeting of the American Academy of Orthopaedic Surgeons, Feb. 15, 2002.
 53. Instructional Course Lecture: ACL Injury: Pathophysiology and Current Therapeutic Principles, 69th Annual Meeting of the American Academy of Orthopaedic Surgeons, Feb. 15, 2002.
 54. ACL Reconstruction in Skeletally Immature Patients, AAOS and AOSSM Comprehensive Course: The Athletic Perspective to Treatment, Controversies and Problem Solving, Phoenix, Arizona, February 28, 2002.
 55. High Tibial Osteotomy, AAOS and AOSSM Comprehensive Course: The Athletic Perspective to Treatment, Controversies and Problem Solving, Phoenix, Arizona, March 2, 2002.
 56. PCL Reconstruction: One vs. Two Tunnel Techniques. AAOS and AOSSM Comprehensive Course: The Athletic Perspective to Treatment, Controversies and Problem Solving, Phoenix, Arizona, February 28, 2002.
 57. Current Concepts: Salvage Procedures for the Post-Meniscectomy Athlete Meniscus Allograft, 2002 Annual Meeting of the American Orthopaedic Society for Sports Medicine, July 3, 2002.
 58. Preservation of Knee Meniscus Function: Avascular and Complex Meniscus Repair and Transplantation, Badgley Day, University of Michigan, Oct. 11, 2002.
 59. Instructional Course Lecture: Posterior Cruciate Ligament: Surgical Treatment, Combined Instabilities, 70th Annual Meeting of the American Academy of Orthopaedic Surgeons, Feb. 7, 2003.
 60. Instructional Course Lecture: Meniscus Allografts: Indications, Techniques, Results, 70th Annual Meeting of the American Academy of Orthopaedic Surgeons, Feb. 6, 2003.
 61. Instructional Course Lecture: ACL Injury: Pathophysiology and Current Therapeutic Principles, 70th Annual Meeting of the American Academy of Orthopaedic Surgeons, Feb. 6, 2003.
 62. Posterior Cruciate Ligament Double-Bundle Quadriceps Tendon-Patellar Bone Reconstruction: Prospective Clinical Outcome Study on Arthroscopic and Tibial Inlay Techniques. Scientific paper, 70th Annual Meeting of the American Academy of Orthopaedic Surgeons, Feb. 6, 2003.
 63. Role of Meniscus Allografts Alone and Combined with ACL Reconstruction or Osteochondral Autograft Transfer Procedures. Scientific Paper, Specialty Day Meeting of the AOSSM, Feb. 8, 2003.
 64. ACL Reconstruction with Open Physes. AAOS Frontiers in Sports Medicine: The Athlete in 2003, March 14, 2003.
 65. Revision ACL Reconstruction. AAOS Frontiers in Sports Medicine: The Athlete in 2003, March

- 14, 2003.
66. PCL Reconstruction – Transtibial Hole versus Tibial Inlay. AAOS Frontiers in Sports Medicine: The Athlete in 2003, March 16, 2003.
 67. Posterior Cruciate Ligament Double Bundle Quadriceps Tendon Patellar Bone Reconstruction: Prospective Clinical Study on Arthroscopic and Tibial Inlay Techniques. 2003 Ohio Orthopaedic Society Annual Meeting, May 9th, 2003, Cincinnati, Oh.
 68. Instructional Course: PCL Injuries: Revision Surgical Considerations. AOSSM 29th Annual Meeting, July 21, 2003, San Diego, CA.
 69. OREF Clinical Research Award Paper; Factors Affecting the Treatment of Anterior Cruciate Ligament-Deficient Knees with Lower Limb Malalignment and Associated Ligamentous Instabilities: A Correlated Clinical, Biomechanical and Dynamic Gait Analysis, 71st Annual Meeting of the American Academy of Orthopaedic Surgeons, March 9, 2004, San Francisco, CA.
 70. Instructional Course Lecture: Posterior Cruciate Ligament: Surgical Treatment, Combined Instabilities, 71st Annual Meeting of the American Academy of Orthopaedic Surgeons, March 10, 2004, San Francisco, CA.
 71. Instructional Course Lecture: Meniscus Allografts: Indications, Techniques, Results, 71st Annual Meeting of the American Academy of Orthopaedic Surgeons, March 11, 2004, San Francisco, CA.
 72. Meniscus Transplantation: MRI Analysis Under Loaded Conditions and Clinical Results. Scientific paper, 71st Annual Meeting of the American Academy of Orthopaedic Surgeons, March 12, 2004.
 73. Instructional Course Lecture: ACL Injury: Pathophysiology and Current Therapeutic Principles, 71st Annual Meeting of the American Academy of Orthopaedic Surgeons, March 12, 2004.
 74. Symposium: Cruciate Reconstruction and Osteotomy, Specialty Day Meeting of the AOSSM, March 13, 2004.
 75. Scientific paper: PCL Revision with Double-Bundle Quadriceps Tendon Autograft: Analysis of Failure Mechanisms, Specialty Day Meeting of the AOSSM, March 13, 2004.
 76. John C. Kennedy Memorial Lectureship: Why is it so Hard to do What's Right? Lessons in Sports Medicine Body Building. Specialty Day Meeting of the AOSSM, March 13, 2004.
 77. Single vs. Double Bundle PCL Reconstruction. 5th Annual AAOS/AOSSM Sports Medicine Course: The Athlete in 2004, April 1, 2004.
 78. ACL Reconstruction with Allograft. 5th Annual AAOS/AOSSM Sports Medicine Course: The Athlete in 2004, April 2, 2004.
 79. Revision ACL Reconstruction. 5th Annual AAOS/AOSSM Sports Medicine Course: The Athlete in 2004, April 2, 2004.
 80. Indications and Evaluation of Alignment for HTO. 5th Annual AAOS/AOSSM Sports Medicine Course: The Athlete in 2004, April 2, 2004.
 81. Lateral Closing Wedge HTO. 5th Annual AAOS/AOSSM Sports Medicine Course: The Athlete in 2004, April 2, 2004.
 82. 15-Year Experience with Repair of Complex Meniscus Ruptures Extending into the Avascular Zone. 8th International Conference on Orthopaedics, Biomechanics, Sports Rehabilitation, Perugia-Italy, November 19, 2004.
 83. Clinical Outcome of Meniscus Transplantation in Symptomatic Patients Under 50 After Meniscectomy. 8th International Conference on Orthopaedics, Biomechanics, Sports Rehabilitation, Perugia-Italy, November 19, 2004.
 84. Double and Triple Varus Knees. 8th International Conference on Orthopaedics, Biomechanics, Sports Rehabilitation, Perugia-Italy, November 20, 2004.
 85. Sportsmetrics: A National Knee Injury Prevention Program for the Female Athlete. 8th International Conference on Orthopaedics, Biomechanics, Sports Rehabilitation, Perugia-Italy,

- November 21, 2004.
86. Does Graft Irradiation Weaken Allografts and Clinical Results Compared to Autografts. *Soft Tissue Allografts in Orthopaedics: Science and Application*, Atlanta, January 15, 2005.
 87. Difficulties in Implementing Prevention Programs. *AOSSM ACL Injury and Injury Prevention Program*. Atlanta, January 14, 2005.
 88. Results of Meniscus Allografts. *Soft Tissue Allografts in Orthopaedics: Science and Application*, Atlanta, January 15, 2005.
 89. Treatment of Medial Knee Laxities with ACL Surgery. *Arthroscopic Surgery 2005*, Robert Metcalf, M.D. Memorial, Tucson, January 22, 2005.
 90. Managing Posterolateral Corner Instability. *Arthroscopic Surgery 2005*, Robert Metcalf, M.D. Memorial, Tucson, January 22, 2005.
 91. Indications and Technique for PCL Reconstruction. *Arthroscopic Surgery 2005*, Robert Metcalf, M.D. Memorial, Tucson, January 22, 2005.
 92. Closing Wedge Osteotomy. *Arthroscopic Surgery 2005*, Robert Metcalf, M.D. Memorial, Tucson, January 22, 2005.
 93. When to Repair and When to Resect Meniscus Tears. *Arthroscopic Surgery 2005*, Robert Metcalf, M.D. Memorial, Tucson, January 22, 2005.
 94. Technique and Indications for Proximal Distal Patellar Realignment. *Arthroscopic Surgery 2005*, Robert Metcalf, M.D. Memorial, Tucson, January 23, 2005.
 95. Instructional Course Lecture: Meniscus Function: Repair and Restoration. *72nd Annual Meeting of the American Academy of Orthopaedic Surgeons*, February 23, 2005, Washington, DC.
 96. Instructional Course Lecture: ACL Injury: Pathophysiology and Current Therapeutic Principles. *72nd Annual Meeting of the American Academy of Orthopaedic Surgeons*, February 24, 2005, Washington, DC.
 97. Instructional Course Lecture: PCL, Combined Instabilities. *72nd Annual Meeting of the American Academy of Orthopaedic Surgeons*, February 25, 2005, Washington, DC.
 98. ACL Reconstruction With Allograft. *18th Annual AAOS/AOSSM Sports Medicine Course: The Athlete in 2005*, Steamboat Springs, March 12, 2005.
 99. Revision ACL Reconstruction. *18th Annual AAOS/AOSSM Sports Medicine Course: The Athlete in 2005*, Steamboat Springs, March 12, 2005.
 100. Single vs. Double Bundle PCL Reconstruction. *18th Annual AAOS/AOSSM Sports Medicine Course: The Athlete in 2005*, Steamboat Springs, March 12, 2005.
 101. Indications and Evaluation of Alignment for HTO. *18th Annual AAOS/AOSSM Sports Medicine Course: The Athlete in 2005*, Steamboat Springs, March 13, 2005.
 102. Lateral Closing Wedge HTO. *18th Annual AAOS/AOSSM Sports Medicine Course: The Athlete in 2005*, Steamboat Springs, March 13, 2005.
 103. Failed PCL Surgery. *5th Biennial ISAKOS Congress*, Hollywood, Florida, April 5, 2005.
 104. Mechanisms of Injury and Injury Prevention. *7th Annual Sports Medicine Course: The Athlete in 2006*, Tucson, February 7, 2006.
 105. PCL Double Bundle. *7th Annual Sports Medicine Course: The Athlete in 2006*, Tucson, February 7, 2006.
 106. Posterolateral Techniques and Results. *7th Annual Sports Medicine Course: The Athlete in 2006*, Tucson, February 8, 2006.
 107. Patellar Instability. *7th Annual Sports Medicine Course: The Athlete in 2006*, Tucson, February 8, 2006.
 108. Treatment of Instability in the Arthritic Knee. *73rd Annual Meeting of the American Academy of Orthopaedic Surgeons*, March 22, 2006, Chicago, IL.

109. Instructional Course: Meniscus Function: Repair and Reconstruction: Complex and Avascular Meniscus Repairs. 73rd Annual Meeting of the American Academy of Orthopaedic Surgeons, March 23, 2006, Chicago, IL.
110. Instructional Course: Meniscus Function: Repair and Reconstruction: Meniscus Transplantation. 73rd Annual Meeting of the American Academy of Orthopaedic Surgeons, March 23, 2006, Chicago, IL.
111. Instructional Course: Treatment of PCL and Posterolateral Instability: Anatomy and Biomechanics. 73rd Annual Meeting of the American Academy of Orthopaedic Surgeons, March 24, 2006, Chicago, IL.
112. Instructional Course: Treatment of PCL and Posterolateral Instability: Cincinnati Experience in Treating Acute and Chronic PCL and Posterolateral Complex Injuries. 73rd Annual Meeting of the American Academy of Orthopaedic Surgeons, March 24, 2006, Chicago, IL.
113. Anterior Cruciate Ligament Insufficiency and the Varus Knee – Osteotomy Considerations and Timing. Specialty Day, Arthroscopy Association of North America, March 25th, 2006, Chicago, IL.
114. Meniscus Repairs in the Avascular Zone. Arthroscopic Surgery 2007, Robert Metcalf Memorial, Jan. 22, 2007, Scottsdale, AZ.
115. Why I Do Meniscus Transplants and Where They Work. Arthroscopic Surgery 2007, Robert Metcalf Memorial, Jan. 22, 2007, Scottsdale, AZ.
116. Issues with Single and Double Bundle PCL Reconstruction. Arthroscopic Surgery 2007, Robert Metcalf Memorial, Jan. 22, 2007, Scottsdale, AZ.
117. When to Add Osteotomy for Ligament Injury and Reconstruction. Arthroscopic Surgery 2007, Robert Metcalf Memorial, Jan. 22, 2007, Scottsdale, AZ.
118. Instructional Course: Meniscus Function: Repair and Reconstruction: Complex and Avascular Meniscus Repairs. 74th Annual Meeting of the American Academy of Orthopaedic Surgeons, February 16, 2007, San Diego, CA.
119. Instructional Course: Meniscus Function: Repair and Reconstruction: Meniscus Transplantation. 74th Annual Meeting of the American Academy of Orthopaedic Surgeons, February 16, 2007, San Diego, CA.
120. Mechanisms of Injury and Injury Prevention. 8th Annual AAOS/AOSSM Sports Medicine Course: From the Slopes to the Sidelines, Steamboat Springs, CO, March 17, 2007.
121. PCL Reconstruction: Tibial Inlay and All-Inside Two-Strand. 8th Annual AAOS/AOSSM Sports Medicine Course: From the Slopes to the Sidelines, Steamboat Springs, CO, March 17, 2007.
122. Current Concepts in the Treatment of Posterolateral Instability. 8th Annual AAOS/AOSSM Sports Medicine Course: From the Slopes to the Sidelines, Steamboat Springs, CO, March 17, 2007.
123. Patellofemoral Malalignment. 8th Annual AAOS/AOSSM Sports Medicine Course: From the Slopes to the Sidelines, Steamboat Springs, CO, March 17, 2007.
124. Double-bundle PCL Reconstruction. Cleveland Clinic Knee Summit, April 11, 2007.
125. Revision PCL Reconstruction: Considerations and Techniques. Cleveland Clinic Knee Summit, April 11, 2007.
126. ACL Revision Reconstruction. Annual Meeting of the American Orthopaedic Society for Sports Medicine, Calgary, Alberta, Canada, July 14th, 2007.
127. PCL Issues: Natural History, When to Operate, Techniques Available. Arthroscopic Surgery 2008, Robert Metcalf Memorial, Feb. 5, 2008, Scottsdale, AZ.
128. Chronic Patellar Instability: Treatment Options. 9th Annual AAOS/AOSSM Sports Medicine Course, Feb. 7th, 2008.
129. ACL Revision: Tips and Pearls. 9th Annual AAOS/AOSSM Sports Medicine Course, Feb. 8th, 2008.

130. Endoscopic PCL Reconstruction. 9th Annual AAOS/AOSSM Sports Medicine Course, Feb. 8th, 2008.
131. Instructional Course: Advanced Applications of MRI in Sports Medicine/Orthopaedics. 75th Annual Meeting of the American Academy of Orthopaedic Surgeons, March 5, 2008, San Francisco, CA.
132. Instructional Course: Complex Knee Ligament Instabilities and Revisions: A Case Series Approach. 75th Annual Meeting of the American Academy of Orthopaedic Surgeons, March 6, 2008, San Francisco, CA.
133. Correcting Malalignment: Optimizing Your Surgical Approach to Proximal Tibial Osteotomies. AANA Specialty Day meeting, March 8, 2008, San Francisco, CA.
134. The Fred Shapiro, M.D. Visiting Professor, Rush University Medical Center Thesis Day, Simple and Complex Knee Problems and ACL and PCL Revision: Necessity for Combined Procedures, June 20, 2008.

PUBLICATIONS

1. Waller J, Curran R, Noyes FR: Traffic deaths - A preliminary study of urban and rural fatalities in California. *Calif Med* 101:272-276, 1964.
2. Waller J, Curran R, Noyes FR: More rural injuries are fatal. *Calif Health* 22, 1964.
3. Noyes FR: Blood transfusions in pediatric surgery. In: Grabb W (ed): Cleft Lip and Palate, Little Brown & Co., 1971.
4. Noyes FR, Smith W: Bone crises and chronic osteomyelitis in Gaucher's Disease. *Clin Orthop* 79:132-140, 1971.
5. Roberts VL, Noyes FR, Hubbard RP, McCabe J: Biomechanics of snowmobile spine injuries. *J Biomech* 4(6):569-577, 1971.
6. Noyes FR, Kivi LP: Dysplasia epiphysealis hemimelica. A case simulating an intra-articular body. *Clin Orthop* 86:175-177, 1972.
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ORTHOPAEDIC TEXTBOOK

Knee Disorders: Surgery, Rehabilitation, Clinical Outcomes. Noyes FR, Barber-Westin SD (eds.), Elsevier, Philadelphia, scheduled for print 2009.

Detterline A, Babb J, Noyes FR: Chapter 1: Medial and anterior knee anatomy

Strickland J, Fester E, Noyes FR: Chapter 2: Lateral, posterior, and cruciate knee anatomy

Noyes FR, Grood ES: Chapter 3: The scientific basis for examination and classification of knee ligament injuries

Noyes FR, Grood ES: Chapter 4: Knee ligament function and failure.

Noyes FR, Barber-Westin SD: Chapter 8: ACL primary and revision reconstruction: Diagnosis, operative techniques, clinical outcomes

Barber-Westin SD, Heckmann T, Noyes FR: Chapter 13: Scientific basis of rehabilitation following ACL autogenous reconstruction

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