

CURRICULUM VITAE

WALTER J. LECLAIR, MD

PRESENT Professor

APPOINTMENTS: Department of Orthopedics and Physical
Rehabilitation
UMass Memorial Medical Center
Worcester, Massachusetts 01655

EDUCATION: High School - Boston Latin School
New England Conservatory of Music

1971 - 1975 A.B. Biology
Boston University
Boston, Massachusetts

1975 - 1979 Medical Degree
University of Massachusetts Medical School
Worcester, Massachusetts

1979 - 1980 Surgical Intern
University of Massachusetts Medical Center
Worcester, Massachusetts

1980 - 1984 Orthopedic Resident
University of Massachusetts Medical Center
Worcester, Massachusetts

HONORS AND AWARDS: Distinguished Teacher of the Year
June 21, 1997

CERTIFICATION: Board Certified Orthopedics
July 1988
Board Recertification Orthopedics
July 1997

LICENSURE: Massachusetts #46995
1980 - Present

**PROFESSIONAL
SOCIETY
MEMBERSHIPS:**

American Academy of Orthopedic Surgeons
American Medical Association
Boston Orthopedic Club
Massachusetts Medical Society
Massachusetts Orthopedic Association
New England Orthopedic Society
New England Trauma Study Group

COMMITTEES:

Infection Control Committee
UMass Memorial Medical Center
Worcester, Massachusetts 1985 - 1987

Operating Room Block Booking Task Force
Committee
UMass Memorial Medical Center
Worcester, Massachusetts 1988 - 1989

Operating Room Committee
UMass Memorial Medical Center
Worcester, Massachusetts 1988 - 1995

Residency Advisory Committee
UMass Memorial Medical Center
Worcester, Massachusetts 1985 - Present

AAOS EMS Representative from
Massachusetts 1992

Trauma Committee
UMass Memorial Medical Center
Worcester, Massachusetts 1993 - Present

Disaster Committee
UMass Memorial Medical Center
Worcester, Massachusetts 1993 - Present

FACULTY:

AO/ASIF Residents Basic Course
Sturbridge, Massachusetts 1/27-31/93

RESEARCH INTERESTS:

Biomechanics, Structure and Function of Ligaments

Antibiotic Elution from Polymethylmethacrylate

LECTURES/TALKS:

1. The Use of Internal/External Fixation in Treating Traumatic Injuries. Presented to Nurses at Orthopedic Surgery: A Seminar and Teaching Institute for Perioperative Nurses, sponsored by the Office of Continuing Education, University of Massachusetts Medical Center, Worcester, Massachusetts, 12/4-5/85.
2. Wrist (Internal & External Fixation). Symposium on The Upper Extremity: Current Management Techniques, presented by the Department of Orthopedics and Office of Continuing Education, University of Massachusetts Medical Center, Sheraton Sturbridge Inn, Sturbridge, Massachusetts, 10/9-11/86.
3. Thoracolumbar Spine Anatomy. Symposium on Acute Spinal Injuries: Current Management Techniques, presented by the Department of Orthopedics and Office of Continuing Education, University of Massachusetts Medical Center, Sheraton Sturbridge Inn, Sturbridge, Massachusetts, 10/1-3/87.
4. Clinical Instructor. New England AO/ASIF, Orthopedic Instructional Workshop, Sturbridge, Massachusetts, September 1988.
5. Visiting Professor, Interstate Orthopedic Society, Erie, Pennsylvania, 9/13-15/88.
6. Intramedullary Nailing. Visiting Professor, Interstate Orthopedic Society, Erie, Pennsylvania, September 1988.
7. The Locking Nail. Current Concepts, Boston Orthopedic Club, Marriott Hotel, Newton, Massachusetts, 10/3/88.
8. Instructor, Seminar on Acute Spinal Injury. Symposium on Diagnostic and Therapeutic Advances in Orthopedic Surgery, presented by the Department of Orthopedics and Office of Continuing Education, Sheraton Sturbridge Inn, Sturbridge, Massachusetts, 10/6-8/88.
9. Pelvic and Acetabular Fractures. National Association of Orthopedic Nurses, November 1988.
10. Basic Aims and Principles of the AO/ASIF Technique, at National Association of Orthopedic Nurses (NAON) AO/ASIF Techniques, Sturbridge, Massachusetts, 9/21-22/90.
11. Management of Complex Fractures of the Femur and Tibia. Maine Academy of Orthopedic Surgeons, Sugarloaf, Maine, March 1991.
12. Nursing in Pediatric Trauma. Orthopedic Trauma Symposium for Pediatric Nurses, Marlborough, Massachusetts, 5/22/91.

13. Basic Principles of Internal Fixation. Grand Rounds, University of Massachusetts Medical Center, July 1992.
14. Spinal Fractures, Management Principles and Techniques. Symposium on Acute Management of the Multiply Injured Orthopedic Patient presented by the Department of Orthopedics and Office of Continuing Education, Sheraton Sturbridge Inn, Sturbridge, Massachusetts, 10/8-9/92.
15. Indications and Clinical Experience with Tibial Nails. Presented at New Concepts in Fracture, Fixation, Simsbury, Connecticut, 5/21/93.
16. Decision Making in Tibial Fracture Management. Grand Rounds, Carney Hospital, Boston, Massachusetts, 10/22/93.
17. External Fixator Pin Care and Complications. Presented at the New England Trauma Study Group Annual Meeting, Smugglers Notch, Vermont, 2/4/94.
18. Tibial IM Nailing. Presented at Grand Rounds, New England Baptist Hospital, Boston, Massachusetts, 3/23/94.
19. Evaluation and Management of Spine Fractures. Presented at NAON local meeting, 4/27/94.
20. Indication for Plating Long Bone Principles of Application -- DCP, LC-DC at AO/ASIF, Orthopedic Trauma: Team Approach to Fracture Management, Newport, Rhode Island, 10/21/94.
21. IM Nailing of the Tibia. Grand Rounds, Boston City Hospital, Boston, Massachusetts, 10/26/94.
22. Supracondylar Femoral Nails. Presented at New England Trauma Study Group, 10th Annual Meeting, Dixville Notch, New Hampshire, 1/21-22/95.

23. Nonoperated Treatment of Musculoskeletal Injuries. Symposium on Orthopedics for the Primary Care Provider presented by the Department of Orthopedics and Office of Continuing Education, Sheraton Sturbridge Inn, Sturbridge, Massachusetts, 10/5-6/95.
24. Reconstruction Rodding for Complex Femur Fractures. Symposium on New Concepts in Internal and External Fracture Fixation, Sturbridge, Massachusetts, 10/13-14/95.
25. Fractures of the Femoral Head. Symposium on New Concepts in Internal and External Fracture Fixation, Sturbridge, Massachusetts, 10/13-14/95.
26. Internal or External Fixation for the Tibia. Symposium on New Concepts in Internal and External Fracture Fixation, Sturbridge, Massachusetts, 10/13-14/95.
27. CFX Reconstruction Rodding. Symposium on New Concepts in Internal and External Fracture Fixation, Sturbridge, Massachusetts, 10/13-14/95.
28. IM Nailing of the Tibia. Symposium on New Concepts in Internal and External Fracture Fixation, Sturbridge, Massachusetts, 10/13-14/95.
29. Program Chairman, Symposium on New Concepts in Internal and External Fracture Fixation, Sturbridge, Massachusetts, 10/13-14/95.
30. Managed Care in the United States and Its Impact on Orthopedic Surgery. Prince of Wales Hospital, Sydney, Australia, 7/30/96.
31. Managed Care in the United States and Its Impact on Orthopedic Surgery. St. Vincent Hospital, Sydney, Australia, 7/31/96.
32. The Impact of Health Care Reform and Managed Care in the United States. The Australian Orthopaedic Registrars' Association Annual Scientific Meeting and Conference, Stamford Grand Hotel, Adelaide, South Australia, 8/1-4/96.
33. Orthopaedic Surgical Residency in the United States. The Australian Orthopaedic Registrars' Association Annual Scientific Meeting and Conference, Stamford Grand Hotel, Adelaide, South Australia, 8/1-4/96.

34. Decision Making in the Management of Tibial Fractures. The Australian Orthopaedic Registrars' Association Annual Scientific Meeting and Conference, Stamford Grand Hotel, Adelaide, South Australia, 8/1-4/96.
35. Retrograde IM Nailing of Supracondylar Femur Fractures. The Australian Orthopaedic Registrars' Association Annual Scientific Meeting and Conference, Stamford Grand Hotel, Adelaide, South Australia, 8/1-4/96.
36. Fractures of the Femoral Head. The Australian Orthopaedic Registrars' Association Annual Scientific Meeting and Conference, Stamford Grand Hotel, Adelaide, South Australia, 8/1-4/96.
37. Chairman, Lower Extremity Trauma 1996 Update. Sponsored by the Department of Orthopedics and the Department of Continuing Education, University of Massachusetts Medical Center, The Sturbridge Host Hotel, Sturbridge, MA, 10/10-11/96.
38. Supracondylar Fractures of the Femur. Lower Extremity Trauma 1996 Update. Sponsored by the Department of Orthopedics and the Department of Continuing Education, University of Massachusetts Medical Center, The Sturbridge Host Hotel, Sturbridge, MA, 10/11/96.
39. Course Chairman, Winter Update in Orthopedic Trauma. Sponsored by the University of Massachusetts Medical School and the Department of Orthopedics and the Office of Continuing Education, The Cortina Inn, Killington, VT, 1/23-25/97.
40. IM Nailing of the Femur. Presented at the Winter Update in Orthopedic Trauma. Sponsored by the University of Massachusetts Medical School and the Department of Orthopedics and the Office of Continuing Education, The Cortina Inn, Killington, VT, 1/24/97.
41. Fractures of the Tibial Plafond. Presented at the Winter Update in Orthopedic Trauma. Sponsored by the University of Massachusetts Medical School and the Department of Orthopedics and the Office of Continuing Education, The Cortina Inn, Killington, VT, 1/25/97.
42. The Effect of Managed Care in the United State. Anesthesia Grand Rounds, University of Massachusetts Medical School, Worcester, MA, 3/9/97.
43. Update in Lower Extremity Trauma, NAON, Worcester, MA, 3/12/97.
44. Course Chairman, Orthopaedic Trauma: Team Approach to Fracture Management, AO/ASIF Basic Course for Operating Room Personnel, Crowne Plaza Worcester Hotel, Worcester, MA, 3/21-22/97.
45. History and Philosophy of the AO/ASIF. Orthopaedic Trauma: Team Approach to Fracture Management, AO/ASIF Basic Course for Operating Room Personnel, Crowne Plaza Worcester Hotel, Worcester, MA, 3/21-22/97.
46. Lag Screw Technique. Orthopaedic Trauma: Team Approach to Fracture Management, AO/ASIF Basic Course for Operating Room Personnel, Crowne Plaza Worcester Hotel, Worcester, MA, 3/21-22/97.

47. Care of Open Fractures of the Lower Extremity. Trauma Symposium, New England Orthopedic Society, Newport, RI, 6/7/97.
48. Field Emergencies. Allied Health Workshop, Sponsored by the Department of Orthopedics and the Department of Continuing Education, University of Massachusetts Medical Center, The Sturbridge Host Hotel, Sturbridge, MA, 10/9/97.
49. Managed Care. Presented at the Association of Operating Room Nurses Meeting, Worcester, MA, 10/14/97.
50. Trauma Update - Pelvic Fractures. Presented NAON 18th Annual Congress, San Francisco, CA, 5/17/98.
51. Chairman, Innovations in Orthopedic Nursing Trauma, Dallas, TX, 11/20-21/98.
52. Management of Pelvic Fractures. Presented at Innovations in Orthopedic Nursing Trauma, Dallas, TX, 11/20-21/98.
53. Management of Femur Fractures. Presented at Innovations in Orthopedic Nursing Trauma, Dallas, TX, 11/20-21/98.
54. Management and Treatment of Pelvic Fractures. Presented at the Beijing-Shanghai-Boston 2nd Annual Symposium, Shanghai Ninth People's Hospital, Shanghai Second Medical University, Shanghai, China, 3/21/99.
55. IM Nailing of Lower Extremity Fractures. Presented at the Beijing-Shanghai-Boston 2nd Annual Symposium, Shanghai Ninth People's Hospital, Shanghai Second Medical University, Shanghai, China, 3/21/99.
56. External Fixation, the UMASS Experience. Presented at St. Vincent Medical Infirmary, Little Rock, AR, 5/22/99.
57. Radiographic Assessment of Fractures. Presented at the National Association of Orthopedic Nurses 19th Annual Congress, Atlanta, GA, 5/24/99.
58. I am the Lawyer for ...Commonly Missed Diagnoses. Presented at the Annual University of Massachusetts Medical Center Symposium "Orthopedics for the Primary Care Provider" Sturbridge, Massachusetts 10/6/00.

PAPERS PRESENTED:

1. Marsh, J.L., Bonar, S., Decoster, T., Hurwitz, S., Leclair, W., Nepola, J.: Tibial plafond fractures, a prospective protocol utilizing articulated external fixation. Paper presented at OTA Annual Meeting, Seattle, Washington, June 1992.
2. Marsh, J.L., Bonar, S., Decoster, T., Hurwitz, S., Leclair, W., Nepola, J.: Tibial plafond fractures, a prospective protocol utilizing articulated external fixation. Paper presented at AAOS Annual Meeting scientific program, 2/20/93.
3. Stuart, H.J., Kanzaria, P.K., Leclair, W.J., Waite, R.J.: Pylon fractures of the ankle. The Annual Meeting of the Association of University Radiologists, 5/19/93.
4. Leclair, W.J.: Gentamicin elution from bone allograft vs. polymethylmethacrylate beads.

Paper presented at the AAOS Annual Meeting, February 1994.

5. Dunn, R., Maguire, K., Leclair, W., Fudeau, G.: Cross-leg vascularized osteomyocutaneous tibial transfer for lower extremity reconstruction. Presented at the American Society for Reconstructive Microsurgery/American Association for Hand Surgery Annual Meeting, January 1995.
6. Dunn, R.M., Shufflebarger, J., Gonzalez, F., Leclair, W.: "Double-Barrel" Fibula Osteocutaneous Flap Reconstruction of Tibial Defects. Presented at the Thirty-sixth Annual Meeting of New England Society of Plastic and Reconstructive Surgeons, Boston, Massachusetts, 6/2/95.
7. Mooney, E., DiFrancesco, L., Dunn, R., Leclair, W., Caulkins, R., Mills, S.: Outcome of open tibial shaft fractures requiring bone graft reconstruction. Presented at the New England Society of Plastic and Reconstructive Surgeons, Ogunquit, Maine, 6/2/96.
8. Leclair, W.J., Wixted, J., Patterson, M., Dunn, R., Yost, S., McCarthy, J.: A recent look at osteomyelitis outcomes. VI Annual Symposium on Critical Issues in Surgery, St. Thomas, USVI, 12/3/98.

PUBLICATIONS:

1. Monahan, J.J., Grigg, P., Pappas, A.M., Leclair, W.J., Marks, T., Fowler, D.P. and Sullivan, T.J.: In Vivo Strain Patterns in the Four Major Canine Knee Ligaments. *J Orthop Res* 2(4):408-18, 1985.
2. Leclair, W.J.: How to Reduce Complications in Treatment of Cervical Spine Trauma. *AAOS Instructional Course Lectures* 34:155, 1985.
3. Leclair, W.J.: Evaluation of the Injured Patient and Basic Principles of Management. Primary Care, 2nd ed. Steinberg, G.G., Akins, C.M., Baran, D.T., eds. Baltimore: Williams and Wilkins. 1992:369-379.
4. Jenis, L., Leclair, W.J.: Late Vascular Complication with Anterior Cervical Discectomy and Fusion. *Spine* 19(11):1291-1293, 1994.
5. Leclair, W.J.: Trauma Update - Pelvic Fractures. "Virtual Congress 98" (NAON Website).
6. Leclair, W.J.: Evaluation of the Injured Patient and Basic Principles of Management. *Orthopaedics in Primary Care*, 3rd ed. Steinberg, G.G., Akins, C.M., Baran, D.T., eds. Philadelphia: Lippincott, Williams and Wilkins. 1999.