

CURRICULUM VITAE

WILLIAM J. KANE, M.D., PH.D.

BORN: Brooklyn, New York
February 22, 1933

PREMEDICAL EDUCATION: College of the Holy Cross
Worcester, Massachusetts
A.B., "cum laude", 1954

MEDICAL EDUCATION: College of Physicians and Surgeons
Columbia University
New York, New York
M.D., 1958

POSTGRADUATE MEDICAL
EDUCATION: Internship, Straight Surgery
University of Minnesota Hospitals
Minneapolis, Minnesota
7/58 - 6/59

Residency, Orthopaedic Surgery
University of Minnesota
Graduate School
Minneapolis, Minnesota
7/59 - 6/64

Wallace H. Cole Traveling Fellow
Hospital for Joint Diseases
New York, New York
9/62 - 2/63

Research Fellow
Department of Physiology
University of Minnesota
Graduate School
Minneapolis, Minnesota
Ph.D., 1965

MEDICAL SCHOOL
APPOINTMENTS University of Minnesota
Department of Orthopaedic Surgery
Instructor, 7/64 - 6/65
Assistant Professor, 7/65 - 6/68
Associate Professor, 7/68 - 2/71

Northwestern University
Department of Orthopaedic Surgery
Professor, 3/71 - Present
Chairman, 3/71 - 2/78

HOSPITAL APPOINTMENTS:

Attending in Orthopaedic Surgery:

Minneapolis, MN:

University of Minnesota Hospitals
7/64 - 2/71
Director, Orthopaedic Surgery
Residency Program 7/69 - 2/71

Minneapolis General Hospital
7/64 - 2/71

Fairview Hospital 7/68 - 2/71
Director, Orthopaedic Surgery
Residency Program 7/68 - 2/71
Educational Advisory Committee
7/68 - 2/71

St. Mary's Hospital 7/68 - 2/71
Director, Orthopaedic Surgery
Residency Program 7/68 - 2/71
Educational Advisory Committee
7/68 - 2/71

Chicago, IL:

Chicago Wesley Memorial Hospital
3/71 - 8/72
Chairman, Department of Orthopaedic
Surgery 3/71 - 8/72

Passavant Memorial Hospital
3/71 - 8/72
Chairman, Department of Orthopaedic
Surgery 3/71 - 8/72
Hospitals merged 9/72 to become:

Northwestern Memorial Hospital
9/72 - 2/88
Chairman, Department of Orthopaedic
Surgery 9/72 - 2/78

Veterans Administration Research Hospital
3/71 - 2/88

Cook County Hospital
3/71 - 2/88

Children's Memorial Hospital 3/71 - 2/88

Minneapolis, MN:

Abbott Northwestern Hospital
3/88 – 7/98

Fairview-University Medical Center
3/88 – 7/98

Minneapolis Children' s Hospital
3/88 – 7/98

Metropolitan-Mt. Sinai Medical Center
6/89 - 6/91: Then merged into:

Hennepin County Medical Center
6/89 – 7/98

Fridley, MN

Unity Hospital
3/92 – 7/98

Coon Rapids, MN

Mercy Hospital
3/92 - 7/98

St. Paul, MN

St. Paul-Ramsey Medical Center
3/88 - 3/89

Gillette Children' s Hospital
3/88 - 7/92

United Hospital, Inc.
3/88 - 7/92

SOCIETIES AND ASSOCIATIONS:

American Academy of Orthopaedic Surgeons, 1969-Present

At Large Representative to Board of Directors, 1971-1972

Committee on Graduate Education, 1972-1978

Program Committee, 1980-1985

Chairman, 1983 Annual Meeting, (Fiftieth "Golden Anniversary"
Meeting)

Coordinating Committee on Education, 1984-1990

Chairman, 1987-1990

Task Force on Cable Television Education, 1986-1987

Chairman, 1986-1987

Committee on Educational Television, 1986 – 1991

Chairman, 1987-1988

Task Force on Surgical Skills Educational Facilities, 1988-1994

Task Force on Industry & Education, 1989-1991

Council on Education, 1989-1995

Committee on International Education and Relations,
1995-Present

American Board of Certification of Orthotists and prosthetists
Examiner, 1968-1972

American Board of Orthopaedic Surgery
Examiner, 1971 - 1998

American-British-Canadian Exchange Fellowship Club 1973-Present

American College of Surgeons, 1973-Present

Chicago Committee on Trauma, 1973-1988

Board of Governors, 1988-1995

AAOS Representative, 1990-1995

Advisory Council for Orthopaedic Surgery, 1990-1995

American Medical Association, 1965-1988
Inspector-Residency Review for Orthopaedic Surgery,
Consultant- Diagnostic and Therapeutic Technology, 1988 - 1995
Consultant-Guides to the Evaluation of Permanent
Impairment, 2nd Edition, 1984 and 3rd Edition, 1988

American Orthopaedic Association, 1975-Present
Executive Committee 1976-1977
Exchange Fellowship Committee, 1978-1988
Chairman, 1984-1987
Committee on Planning and Development, 1980-1988
Seventh International AOA Symposium, 1986
Chairman, 1984-1986
Ad Hoc Committee on International Musculoskeletal Societies, 1987-1993

American Orthopaedic Foot Society, 1970-1988
Membership Committee, 1970-1972
Committee for the Development of Foot Services, 1972-1974

Association for Academic Surgery, 1968-1973

Association of American Medical Colleges, 1969-1978

Association of Orthopaedic Chairmen, 1971-1978
Ad Hoc Committee on International Musculoskeletal Societies
Executive Committee, 1972-1978
Representative to Council of Academic Societies of the Association of
American Medical Colleges, 1973-1977
Program Director Annual Meeting, 1975

Editor, Residency Handbook, 1973-1977

Bioelectrical Repair and Growth Society, 1980 - 1990

British Scoliosis Society, Honorary Member, 1983-Present

Chicago Medical Society, 1971-1988

Chicago Orthopaedic Society, 1971-1988

Continental Orthopaedic Society, 1966-Present

Hennepin County Medical Society, 1964-1971 and 1988-Present

Illinois Medical Society, 1971-1988

Council on Affiliate Societies, 1981-1988

Illinois Orthopaedic Society, 1980-1988

Institute of Medicine of Chicago, 1973-Present

International Society for the Study of the Lumbar Spine, 1974-Present

International Society of Orthopaedic Surgery and Traumatology, 1972-Present

Irish-American Orthopaedic Association, 1983-Present

Journal "Spine", Associate Editorial Board, 1988-1994

Editorial Advisory Board, 1994-1996

Mid-American Orthopaedic Association, 1982-1996

Minneapolis Academy of Medicine, 1969-1975, 1988-Present

Minnesota Academy of Medicine, 1970-1975, 1988-Present

Minnesota Orthopaedic Society, 1988-Present

Minnesota State Medical Association, 1964-1971, 1988-Present

North American Spine Society, 1984-Present

Acro-Med Awards Committee, 1988-1990

Chairman, 1988-1990

Orthopaedic Research Society, 1966-Present

Orthopaedic Research and Education Foundation, 1971 - Present
 Board of Trustees, 1985-1991
 Nominating Committee, 1990-1991

Russell Hibbs Society, 1972-Present
 President, 1986-1987

Scoliosis Research Society, 1966-Present
 Secretary-Treasurer, 1966-1970
 Public Relations Committee, Chairman 1970-1972
 Committee on Education, Chairman 1972-1978
 President-Elect, 1978-1979
 President, 1979-1980
 Representative to Advisory Panel on Governmental Affairs, 1979-1980
 Long Range Planning Committee, 1981-1986

Societe Internationale de Chirurgie Orthopedique et de Traumatologie, 1972-Present

Societe Internationale de Recherche Orthopedique et de Traumatologie, 1987-1994

United States Food and Drug Administration, 1993-1996
 Orthopaedic and Rehabilitation Devices Advisory Committee Panel, 1993-1996

Western Trauma Association, 1971-1973

BOARDS:

Certified, American Board of Orthopaedic Surgery, 1967
 Recertified, American Board of Orthopaedic Surgery, 1994

LICENSURE:

Illinois	36 44181	1971-1992
Minnesota	0149314	1959-present
Nevada	7242	1999-2005

SPECIAL AWARDS

Kappa Delta Award for Outstanding Orthopaedic Research
 given by the American Academy of Orthopaedic Surgeons and the
 Orthopaedic Research Society, 1966.
 American-British-Canadian Exchange Fellow of the American Orthopaedic
 Association, 1973
 Who's Who in America, 1973-Present

VISITING PROFESSORSHIPS AND LECTURESHIPS:

University of Texas, San Antonio, TX, 11/70

Mayo Graduate School of Minnesota, Rochester, MN, 3/69

University of Melbourne, Melbourne, Australia, 9/72

University of Connecticut Health Center, Hartford, CT 11/76

Medical College of Toledo, Toledo, OH, 6/82

Wayne State University School of Medicine, Detroit, MI, 10/83

University of the Philippines, Manila, 12/86

Letterman General Hospital Medical Center, San Francisco, CA, 6/87

Duke University Medical Center, Durham, NC, 11/87

New York University Medical Center, New York₁ NY, 5/89

University of Virginia Medical Center, Charlottesville, VA, 5/89

University of Asahikawa, Asahikawa, Japan, 9/89

University of Hokkaido, Sapporo, Japan, 9/89

Fujita-Gakuen Health University, Aichi, Japan, 9/89

Additional Foreign Teaching Locations:

England, Ireland, Scotland, New Zealand, Australia, India, China, Kenya, South Africa, Italy, Germany, Denmark, Mexico, Canada, Philippines, Japan

FAMILY:

Married: Elizabeth Therese Knoll, 6/60

Children:

Kathleen Eleanor, b. 1961

William James, Jr., b. 1962

Stephen Francis, b. 1964

Patricia Marie, b. 1966

Anne Elizabeth, b. 1967

PUBLICATIONS:

1. Determination of Blood Flow to Bone. Medical Bulletin, University of Minnesota, 36:156, 1964.
2. Quantitation of Bone Blood Flow in Dogs. Surgical Forum, American College of Surgeons, 16:447, 1965.
3. Blood Flow to Bone: A Quantitative Method and Its Validation. J. Bone and Joint Surg., 48A:1008, 1966.
4. Halo-Femoral Pin Distraction in the Treatment of Scoliosis. J. Bone and Joint Surg., 49A:1018, 1967.
5. Surgical Management of Vertebral Tuberculosis, Medical Bulletin, University of Minnesota, 39:106, 1967.
6. Lower Limb Amputations in peripheral Vascular Disease, Minnesota Medicine, 51:179, 1968.
7. Fundamental Concepts in Bone Blood Flow Studies, Instructional Course Series, J. Bone and Joint Surg., 50A:801-811, 1968.
8. Scoliosis Research Society Proceedings, 1967, Editor, J. Bone and Joint Surg., 50A:845-850, 1968.
9. Blood Flow to Canine Hindlimb Bone, Muscle and Skin: A Quantitative Method and Its Validation. J. Bone and Joint Surg., 51A:309-322, 1969.
10. "Determination of Blood Flow to Tissues of the Human Leg". Current topics in Surgical Research, George Dr. Zuidema, Donald B. Skinner, Editors, Academic Press, New York, 1999.
11. Scoliosis Research Society Proceedings, 1968, Editor, J. Bone and Joint Surg., 51A:201-206, 1969.
12. Questions and Answers, JAMA, 208:1912-13, 1969. Post-Sympathectomy Diaphoresis with William E. Bradley, M.D.
13. Bone Findings in Chronic Granulomatous Disease in Childhood. J. Bone and Joint Surg., 51A:1573-1583, 1969.
14. Delayed Union and Nonunion of Long Bone Fractures, Hospital Medicine, Vol. 6, No. 2, February, 1970.
15. University of Minnesota Resident Training Program, A.A.O.S. Bulletin 18:23-25, 1970.
16. A Scoliosis prevalence Survey in Minnesota. Clinical Orthopaedics and Related Research, 69:216-219, 1970.

17. Scoliosis Research Society Proceedings, 1969, Editor, J. Bone and Joint Surg., 52A:399-409, 1970.
18. Diabetic Foot Problems, Minnesota Medicine, 56:369-373, 1973.
19. "Musculoskeletal System" in The Trans/Vision Book of Health, Encyclopaedica Britannica, Inc., Helen Hemingway Benton, Publisher, p. 35-41, 1974.
20. "Fractures of the Pelvis" in Fractures, Charles A. Rockwood, Jr., M.D. and David P. Green, M.D., Editors, J.B. Lippincott Company, Philadelphia, p. 904-1011, 1975.
21. "Diagnosis and Management of Pelvic Fractures" in Critical Surgical Care, John S. Najarian and John P. Delaney, Editors, New York, Stratton Intercontinental Medical Book Corp., p 151-160, 1970.
22. "An Analysis of Scoliosis Prevalence Studies" in Scoliosis, Phillip A. Zorab, Editor, Academic Press Inc., London, 1977.
23. Editor, Orthopaedic Surgery Residency Description Handbook, Association of Orthopaedic Chairmen, 1974, 1975, 1976, 1977.
24. Early Detection of Scoliosis, Orthopaedics Digest, p. 13-17, 1977.
25. Newer Knowledge of Scoliosis: A Tribute to John H. Moe, M.D., Clinical Orthopaedics and Related Research, 126:2-3, 1977.
26. Scoliosis Prevalence: A Call for A Statement of Terms, Clinical Orthopaedics and Related Research, 126:43-46, 1977.
27. Scoliosis and School Screening for Spinal Deformity, American Family Physicians, 123-127, May, 1978.
28. "Complications of Treatment of Fractures and Dislocations of the Pelvis" in Complications in Orthopaedic Surgery. Charles H. Epps, Jr., M.D., Editor, J. B. Lippincott, Philadelphia, p. 717-734, 1978.
29. "Radical Amputations" with Kenneth B. Francis in Nora's Operative Surgery, Paul F. Nora, Editor, Lea and Febiger, Philadelphia, p. 1070-1082, 1980.
30. "Fractures of the Pelvis", in A.A.O.S. Instructional Course Lectures, C. V. Mosby, St. Louis, Chapter 1, p. 1-6, 1979.
31. "School Screening for Scoliosis in the U.S.A.", in Scoliosis 1979 Phillip A. Zorab and D. Siegler, Editors, Academic Press, London, p. 35-38, 1980.
32. "Use of Supplementary Electronic Bone Growth stimulation in Primary and Secondary Lumbosacral Fusion", in Electrical Properties of Bone and Cartilage by C.T. Brighton, J. Black, S.R. Pollack, Editors, Grune and Stratton, New York, p. 563-566, 1979.

33. Editor, Current Orthopaedic Management, Churchill-Livingstone, New York, 1981.
34. Editorial: A New Challenge in Scoliosis Care. *J. Bone and Joint Surg.*, 64A:479-480, 1982.
35. Simplified Aspiration or Injection Technique for the Sacro-Iliac Joint. Hendrix, R.W., Lin, p.J.P. and Kane, W.J., *J. Bone and Joint Surg.*, 64A:1249-1252, 1982.
36. "The Evaluation and Treatment of the Patient with Scoliosis", in The Practice of physical Medicine, Paul E. Kaplan, Editor, Chas. C. Thomas, Springfield, Illinois, 1984, p. 227-266.
37. "Fractures of the Pelvis"¹¹, in Fractures, 2nd Ed., Charles A. Rockwood, Jr., M.D. and David P. Green, M.D., Editors, J.B. Lippincott Company, Philadelphia, p. 1093-1209, 1984.
38. "Ethics and Surgical Clerkships", in Bulletin of the American College of Surgeons, Vol. 69, p. 6-8, 1984.
39. "Basic Decision Making in Management of Scoliosis", in Instructional Course Lectures, E. Shannon Stauffer, Editor, C.V. Mosby, St. Louis, p. 101-106, 1985.
40. "Complications of Treatment of Fractures and Dislocations of the Pelvis", in Complications in Orthopaedic Surgery, 2nd Ed., Charles H. Epps, Jr., Editor, J.B. Lippincott, Philadelphia, p. 795-815, 1986.
41. "Scoliosis for the Generalist", in Bulletin on the Rheumatic Diseases, E. V. Hess, Editor, Arthritis Foundation, Atlanta. Vol. 37, p. 1-6, 1987.
42. "Posterior Arthrodesis of the Thoracolumbar Spine", in Operative Orthopaedics, Michael W. Chapman, Editor, J.B. Lippincott, Philadelphia, p. 1957-1964, 1988.
43. Direct Current Electrical Bone Growth Stimulation for Spinal Fusion. *Spine*, 13:363-365, 1988.
44. The North American Decision in Historical Perspective from A Symposium on School Screening for Scoliosis. *Spine*, 13:1191, 1988.
45. Symposium: The Role of Electrical Stimulation Spinal Fusions-Double Blind Results, Vert Mooney, William J. Kane, Casey K. Lee, James W. Simmons, Jr., Arthur H. White. *Contemporary Orthopaedics*, 19:569-593, 1989.
46. "Current Concepts in the Long-Term Care of the Deformed Spine" in The Pediatric Spine II: Developmental. Anomalies. principles of Pediatric Neurosurgery, Anthony J. Raimondi, Maurice Cloux and Concezio Di Rocco, Editors, Springer-Verlag, New York, p 221-250, 1989.
47. "La Scoliose: revue destinee au generaliste" and "Skoliose: Eine Ubersicht fur der Allgemeinpraktiker" *EULAR Bulletin*, 4133-140, 1989. (Translation of #41.)

48. Electrical Stimulation”, in Spinal Fusions: Science and Techniques, Jerome M. Cotler and Howard B. Cotler, Editors, Springer-Verlag, New York, p 33-44, 1990.
49. Diagnosis and Treatment of the Metabolic Disorders of the Spine: Osteoporosis, Osteomalacia and Paget’s Disease in The Adult Spine: Principles and Practice. John W. Frymoyer, Editor, Raven Press, New York, p 637-660, 1991.
50. Spinal Pedicle Fixation and Clinical Efficacy and Outcome in The Diagnosis and Treatment of Low Back Pain, J.N. Weinstein, Editor, Raven Press Ltd, New York, p 175-201, 1992.
51. Post-Traumatic Dystrophy, in Fractures and Dislocations, Ramon B. Gustilo, Richard F. Kyle and David Templeman, Editors, Mosby, St. Louis, p 1259-1264, 1993.
52. “Posterior Arthrodesis of the Thoracolumbosacral Spine”, in Operative Orthopaedics, 2nd Ed., Michael W. Chapman, Editor, J.B. Lippincott, Philadelphia, p 2765-2772, 1993.
53. “Let Yourself Be Loved – The Life and Letters of Will Jenks”, Syren Book Company, LLC, Saint Paul, p 471, 2004.