

CURRICULUM VITAE

DENNIS BRUCE BROOKS

OFFICE:

11811 Shaker Boulevard
Cleveland, Ohio 44120
216-791-3600

BORN:

June 13, 1937
Cleveland, Ohio

MARRIED:

Barbara Joan Klivans
December 23, 1961

CHILDREN:

Lauri Michelle b. November 23, 1963
Allison Lynn b. April 19, 1969

EDUCATION:

Harvard College, B.A.	1959
Western Reserve University, M.D.	1963
Case Western Reserve University, Post-Doctoral (Mechanical Engineering)	1967-1968

ACADEMIC HONORS:

Magna Cum Laude, Harvard University
Recognition for excellence in research, Western Reserve
University School of Medicine

THESES:

An Investigation of Mood Fluctuation in College Men - B.A. Thesis, Harvard University, 1959
Effect of Various Methods of Preparation on the Antigenicity of the Bone Homograft - M.D.
Thesis, Western Reserve University, 1963.

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TRAINING:

Mixed internship - Mount Sinai Hospital of Cleveland	1963-1964
General Surgery Residency - Mount Sinai Hospital of Cleveland	1964-1965
Orthopaedic Residency - Mount Sinai Hospital of Cleveland	1965-1967
and through affiliation with the Indiana University Medical Center	1968-1969

FELLOWSHIPS:

National Institute of Health Orthopaedics Trainee, as research associate in the Biomechanics Laboratory of Case Western Reserve University	1967-1968
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MILITARY SERVICE:

Major, USAF, MC, USAF Regional Hospital, Davis-Monthan AFB, Arizona, from July, 1969 to July, 1971.

MEMBERSHIPS:

Societe Internationale de Chirurgie Orthopaedique et de Traumatologie
American Academy of Orthopaedic Surgeons
Clinical Orthopaedic Society
Orthopaedic Research Society
Ohio Orthopaedic Society
Cleveland Orthopaedic Club
American Medical Association
Ohio State Medical Association
Cuyahoga County Medical Society

APPOINTMENTS:

Assistant Clinical Professor Orthopaedic Surgery - Case Western Reserve University
Research Associate Biomechanics Laboratory - Case Western Reserve University
Associate Orthopaedic Surgeon - Mount Sinai Hospital of Cleveland
Assistant Director - Orthopaedic Resident Training - Mount Sinai Hospital of Cleveland
Active Staff - Suburban Community Hospital
Faculty of the Orthopaedic Engineering Laboratory - Case Western Reserve University.

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PUBLICATIONS:

1. Brooks, D.B., Heiple, K.G., Herndon, C.H. and Powell, A.E.: Immunologic Factors in Homogenous Bone Transplantation IV. The Effect of Various Methods of Preparation and Irradiation on Antigenicity. Journal of Bone and Joint Surgery, 45-A: 1617, 1963.
2. Brooks, D.B., Burstein, A.H. and Frankel, V.H.: The Biomechanics of Torsional Fractures: The Stress Concentration Effect of a Drill Hole. Journal of Bone and Joint Surgery, 52-A: 507, 1970.
3. Frankel, V.H., Burstein, A.H., Brooks, D.B.: Biomechanics of Internal Derangement of the Knee. Pathomechanics as Determined by Analysis of the Instant Center of Motion. Journal of Bone and Joint Surgery, 53-A: 945, 1971.
4. Weiss, S.M., Brooks, D.B.: A Simplified Method of Splinting for Congenital Dislocation of the Knee. Clinical Orthopaedics and Related Research, 123: 40, 1977.
5. Heiple, K.G., Brooks, D.B., Samson, B.L., Burstein, A.H.: Subtrochanteric Femoral Fractures: A New Intramedullary Technique. Orthopaedic Transactions, 2:223, 1978.

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EXHIBITS:

1. Frankel, V.H., Burstein, A.H., Allen, W.C. and Brooks, D.B.: "The Biomechanics of Internal Fixation Devices." American Academy of Orthopaedic Surgeons, January, 1968.
2. Frankel, V.H., Burstein, A.H., Allen, W.C. and Brooks, D.B.: "Fracture Biomechanics." American Academy of Orthopaedic Surgeons, January, 1969.

COURSES:

1. "Orthopaedic Biomechanics" - Four lectures presented to Orthopaedic Residents at the Indiana University Medical Center in November, 1968.
2. "Effect of Alteration in Bone Geometry on Strength" - Instructional Course Lecture, American Academy of Orthopaedic Surgeons: January, 1972, Washington, D.C.
3. "Clinical Applications of Kinematic Analysis" - Biomechanics Course: Case Western Reserve University - American Academy of Orthopaedic Surgeons: Cleveland, Ohio, April, 1972; November, 1972; May, 1973; November, 1973; April, 1974; November, 1974; April, 1975, November, 1975.
4. "Clinical Applications of Kinematics Analysis" - Instructional Course Lecture, American Academy of Orthopaedic Surgeons: February, 1973, Las Vegas, Nevada; March, 1975, San Francisco, California.
5. "Kinematics of Normal and Artificial Joints" - Instructional Course Lecture, American Academy of Orthopaedic Surgeons: February, 1976, New Orleans, Louisiana; February, 1978, Dallas, Texas.
6. "Kinematics of Normal and Artificial Joints" - Biomechanics Course, The Hospital for Special Surgery: May, 1977, Greenwich, Connecticut.
7. "Effects of Alterations in Geometry on Bone Strength" - Biomechanics Course, The Hospital for Special Surgery: May, 1978, Greenwich, Connecticut.

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PRESENTATIONS:

1. "The Effects of Various Methods of Storage and Sterilization on the Antigenicity of the Bone Homograft", Orthopaedic Research Society, January, 1962.
2. "Fracture Mechanics of Long Bones", Cleveland Locomotor Research Seminar, May, 1968.
3. "Bone Transplantation in Orthopaedics", Mount Sinai Hospital Dental Society Seminar, February, 1972.
4. "Biomechanics of the Foot", Symposium on the Foot, Mount Sinai Hospital, April, 1973.
5. "Effect of Stress Concentrators on Bone Strength", Tucson Orthopaedic Club, March, 1975.
6. "Caution: Holey Bones May be Hazardous", Ohio Orthopaedic Society, May, 1975.
7. "Subtrochanteric Fractures: A New Intramedullary Technique", Cleveland Orthopaedic Club, November, 1977.
8. "Kinematics of Normal and Artificial Joints", Biomedical Seminar, February, 1978.
9. "Subtrochanteric Fractures: A New Intramedullary Technique", American Academy of Orthopaedic Surgeons, February, 1978.
10. "Caution: Holey Bones May be Hazardous", Biomedical Seminar, May, 1978.
11. "Treatment of Hip Fractures in the Elderly", Jewish Convalescent and Rehabilitation Center, June, 1978.