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MASSACHUSETTS GENERAL HOSPITAL

HARVARD MEDICAL SCHOOL

DAVID C. BREWSTER, M.D.  
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Jul 6, 1997

S. Peter Voudouris  
Attorney-at-Law  
Jacobson, Maynard, Tuschman & Kalur  
1001 Lakeside Avenue, Suite 1600  
Cleveland, Ohio 44114-1192

Re: John Henry Miller, et al. v. Emergency Professional Services, Inc., et al.  
Your File No. 103024

Dear Mr. Voudouris:

As requested, I have reviewed in detail the records provided to me by your office in regard to the above captioned matter. My review was particularly directed at the care provided by your client, Dr. Howard Darwin, in terms of the vascular injury sustained by Mr. Miller. My review encompassed the following documents:

1. Geauga Hospital E.R. and Admission 3/22/96 - 3/28/96;
2. Geauga Hospital Admission 3/28/96 - 4/3/96;
3. Office chart of Dr. Franklin;
4. Report of Plaintiff's expert, Kenneth Swan, MD; and
5. Exerts from deposition testimony of Howard Darwin, MD.

As you know, Mr. Miller was a 43 year old gentleman who was struck by an automobile at approximately 9 pm on March 22, 1996. He was apparently a pedestrian who was standing at the road side assisting another motorist. He was brought to the Geauga Hospital where he was evaluated in the Emergency Room for his injuries. X-rays of the right knee were negative for a fracture and apparently no other remarkable findings were noted. He also had some microscopic hematuria but no flank tenderness or pain was noted. He was discharged home with a diagnosis of right knee contusion, and instructed to immobilize the knee, rest and elevate the leg, and employ crutches with no weight bearing for 2-3 days. Follow-up in this regard in 5-7 days was recommended. Follow-up of the hematuria was also suggested.

He noted increasing pain in the right lower leg and foot over the remainder of that night and was seen the next morning by his primary care physician, Dr. Franklin. Dr. Franklin noted probable arterial insuffi-

ciency of the limb and referred him back to Geauga Hospital Emergency Room. The Emergency Room record describes absent pulses in the right foot. Dr. Howard Darvin was therefore consulted. According to the ER record, this consultation was made by telephone at approximately 1:30 pm on March 23, 1996. Dr. Darvin suggested an arteriogram which was performed at approximately 5:00 pm that afternoon. This study documented occlusion of the popliteal artery and the patient was seen by Dr. Darvin at that point and taken to the Operating Room for emergent operative exploration and repair of the popliteal artery injury at approximately 7:30 pm on March 23, 1996. The risks of surgery were apparently clearly discussed with the patient, and the signed operative permit lists the possible complications of reoperation, graft failure, and possible limb loss.

Dr. Darvin carried out a thrombectomy of the popliteal and tibial vessels, and repaired the injury by a reversed saphenous vein superficial femoral to distal popliteal bypass graft. The saphenous vein was appropriately harvested from the contralateral uninjured left lower extremity. An apparent satisfactory result was obtained. However, the following day it was noted that his palpable pulses were lost and the patient was returned for graft thrombectomy and revision by shortening of the bypass graft that was felt to be a bit redundant in length. Intraoperative angiograms again documented a satisfactory technical result. On March 25, some edema of the calf was noted as well as decreased motor function of the ankle and foot. It was thought that compartmental swelling might have developed and appropriate determination of compartmental pressures was performed by Dr. Darvin. Pressures were abnormally elevated in several compartments, and lateral and posterior compartmental fasciotomy was therefore carried out by Dr. Darvin at that point. He did well until 2 days later when on March 27 he again lost his arterial graft Doppler signal. Thrombectomy was again carried out on the evening of March 27, but by the following day it was apparent that this had again proved unsuccessful. The patient was transferred briefly to St. Vincent Charity Hospital for possible hyperbaric oxygen treatment. It was apparently determined that this would not be successful however and this form of treatment was not performed. He was readmitted to Geauga Hospital and sub-sequently underwent a below knee amputation for a non-viable lower extremity.

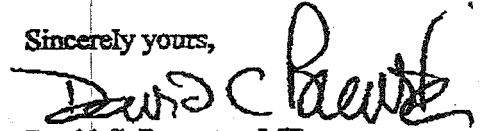
After a careful review of the records, it would be my opinion that the care rendered to Mr. Miller by Dr. Howard Darvin was entirely appropriate and consistent with accepted standards of care. Based upon Dr. Darvin's deposition testimony, he was apparently not advised that distal extremity pulses were absent when he was first consulted by telephone. Further, nurses notes from the ER record of March 23, 1996 at 4:00 pm described an absent right DP pulse but clearly indicate that a right posterior tibial pulse was present by palpation and Doppler. In this setting of diagnostic uncertainty, an arteriogram was clearly indicated and advisable. This unavoidably introduced some delay in subsequent operative treatment, but I believe the circumstances support that this was good judgment on Dr. Darvin's part. Once the diagnosis was established, Dr. Darvin proceeded in a timely fashion to repair the injury in an entirely appropriate manner. I would disagree with Plaintiff's expert, Dr. Kenneth Swan, that a "prophylactic" fasciotomy was indicated at the time of vascular repair. This topic is quite controversial in the field of vascular traumatic injuries, and in the absence of established elevated compartmental pressures, I do not think routine fasciotomy is indicated.

Although the procedures regrettably proved unsuccessful, Mr. Miller's loss of the right lower extremity was not due to delay in treatment on the part of Dr. Darvin nor the failure to perform fasciotomy at the time of the initial arterial repair on March 23. Limb loss was attributable to recurrent thrombosis of the

arterial grafts. The cause of such thrombosis cannot be determined with certainty, but such failures are well known in such injuries which carry a 20-30% incidence of amputation in even the best series in the surgical literature. The graft failures and ultimate limb loss are certainly regrettable, but clearly, in my mind, not due to any deviations from accepted standards of care on the part of Dr. Darwin.

I will retain the records and am certainly willing to review any further materials you wish, or to offer testimony in behalf of Dr. Darwin should this proved necessary.

Sincerely yours,



David C. Brewster, MD

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## CURRICULUM VITAE

**Name:** David C. Brewster, M.D.

**Address:** One Hawthorne Place, Boston, Massachusetts 02114

**Date of Birth:** February 23, 1942

**Place of Birth:** New York, New York

### **Education:**

1963 B.A. Trinity College (Summa Cum Laude, Salutatorian)  
Hartford, Connecticut

1967 M.D. Columbia University College of Physicians and Surgeons  
New York, New York

### **Postdoctoral Training:**

#### Internships and Residences:

1967-1968 Surgical Intern, Massachusetts General Hospital, Boston, Massachusetts

1968-1969 Surgical Resident, Massachusetts General Hospital, Boston, Massachusetts

1971-1974 Surgical Resident, Massachusetts General Hospital, Boston, Massachusetts

1975-1976 Chief Resident in Surgery, Massachusetts General Hospital, Boston, Massachusetts

#### Fellowships:

July-Dec. 1973 Clinical and Research Fellow in Surgery, Massachusetts General Hospital, (Thoracic Surgery, Wessex Cardiac and Thoracic Center, Southampton Western Hospital, England)

July-Dec. 1974 Clinical and Research Fellow in Vascular Surgery, Massachusetts General Hospital, Boston, Massachusetts

Jan.-July 1975 Fellow in Vascular Surgery., Boston University Hospital, Boston, Massachusetts

### **Licensure and Certification:**

1968 National Board of Medical Examiners-Certificate No. 94885

1969 Rhode Island Medical License-License No. 4089

### **Licensure and Certification (con't)**

1970	Massachusetts Medical License-License No. 32773
1975	American Board of Surgery-Certificate No. 21131
1983	Certificate of Special Qualifications in General Vascular Surgery-American Board of Surgery-Certificate No. 60
1992	Recertification of Special Qualifications in General Vascular Surgery - American Board of Surgery

### **Academic Appointments:**

1975-1976	Clinical Fellow in Surgery, Harvard Medical School, Boston, Massachusetts
1976-1979	Instructor in Surgery at the Massachusetts General Hospital, Harvard Medical School, Boston Massachusetts
1979-1981	Assistant Professor of Surgery at the Massachusetts General Hospital, Harvard Medical School, Boston, Massachusetts
1981-1984	Assistant Clinical Professor of Surgery at the Massachusetts General Hospital, Harvard Medical School, Boston Massachusetts
1984-1995	Associate Clinical Professor of Surgery at the Massachusetts General Hospital, Harvard Medical School, Boston, Massachusetts
1995-	Clinical Professor of Surgery at the Massachusetts General Hospital, Harvard Medical School, Boston, Massachusetts

### **Hospital Appointments:**

1976-1978	Clinical Associate in Surgery, Massachusetts General Hospital, Boston, Massachusetts
1978-1980	Assistant in surgery, Massachusetts General Hospital, Boston, Massachusetts
1980-1985	Assistant Surgeon, Massachusetts General Hospital, Boston, Massachusetts
1985-1987	Associate Visiting Surgeon, Massachusetts General Hospital, Boston, Massachusetts
1988-	Visiting Surgeon, Massachusetts General Hospital, Boston, Massachusetts

### **Consultant Appointments:**

1982-	National Consultant in Vascular Surgery, United States Air Force
1989-1992	Consultant, Committee on General Vascular Surgery, American Board of Surgery, Philadelphia, Pennsylvania

### **Military Experience:**

1969-1971	Lieutenant, Medical Corps, U.S. Navy
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### Awards and Honors:

1962	Phi Beta Kappa
1966	Alpha Omega Alpha

### Major Hospital Committee Assignments (Massachusetts General Hospital):

1975-1976	Critical Care Committee
1979-1981	Infection Control Committee
1979-1981	Ambulatory Care Committee
1981-1986	Utilization Review Committee
1981-1982	Ad Hoc Committee on Surgical Admissions
1983-1984	Subcommittee on Human Studies, Committee on Research
1983-1984	Nominating Committee, Staff Associates
1985-1990	Patient Care Committee
1988-1990	Operating Room Throughput Task Force
1989-1991	Subcommittee on Private Scrub Nurses (Chairman)
1991-	Operating Room Committee
1993-	Anticoagulant Therapy Unit Advisory Committee

### Editorial Boards:

1983-1986	Vascular Laboratory Review (Life Sciences, Inc)
1985-1990	Abstract Review Board, Journal of Vascular Surgery
1987-	Perspectives in Vascular Surgery (Quality Medical Publishing, Inc.)
1990-	Postgraduate Vascular Surgery (R.G. Landes Co. Publishers)
1990-1995	Guest Manuscript Reviewer, Journal of Vascular Surgery
1990-	Guest Manuscript Reviewer, New England Journal of Medicine
1992-	Guest Manuscript Reviewer, British Journal of Surgery
1992-	Guest Manuscript Reviewer, Arteriosclerosis and Thrombosis, Journal of Vascular Biology
1994-	Journal of the American College of Surgeons
1996-	Journal of Vascular Surgery

### Professional Societies:

1974-	American Medical Association
1976-	Massachusetts Medical Society
1977-	International Society for Cardiovascular Surgery
1977-	New England Society for Vascular Surgery
1977-	Association for the Advancement of Medical Instrumentation
1978-	American College of Surgeons
1978-	Boston Surgical Society
1979-	Association for Academic Surgery
1979-	Society for Vascular Surgery

**Professional Societies (con't):**

1981-	Council for Cardiovascular Surgery, American Heart Association
1985-	Society for Clinical Vascular Surgery
1985-	New England Surgical Society
1989-	Eastern Vascular Society
1990	American Surgical Association

**Professional Society Officerships and Committees:**

1978-1982	Treasurer, New England Society for Vascular Surgery
1980-1983	Program Committee, Association for Academic Surgery
1981-1984	Program Committee, International Society for Cardiovascular Surgery
1986-1992	Committee for Vascular Surgical Board Examination; Representative of Joint Councils, Society for Vascular Surgery and International Society for Cardiovascular Surgery
1987-1988	Professional Activities Committee, New England Society for Vascular Surgery
1987-	Examiner, Certifying Examination for Special Qualifications in General Vascular Surgery, American Board of Surgery
1988-1993	Program Committee, New England Society for Vascular Surgery (Chairman 1992, 1993)
1989-1990	Local Arrangements Committee, Eastern Vascular Society
1989-1992	Consultant to Committee on General Vascular Surgery, American Board of Surgery
1990-1993	Wiley Fellowship Committee, Society for Vascular Surgery
1990-1991	Liaison Representative - New England Society for Vascular Surgery, to New England Surgical Society
1991	Local Arrangements Committee, Society for Vascular Surgery and International Society for Cardiovascular Surgery
1992-	Motion Picture Committee, American College of Surgeons
1992-	Advisory Council for Vascular Surgery, American College of Surgeons
1992-	Representative for Vascular Surgery, Program Committee of Clinical Congress, American College of Surgeons
1994-	Membership Committee, Society for Vascular Surgery

**Teaching Experience:**

1976-	Instructor, Introduction to Clinical Medicine, Harvard Medical School, Boston, Massachusetts
1977-	Attending Surgeon, General Surgical Services, Massachusetts General Hospital, Boston Massachusetts
1977-	Lecturer, Harvard Medical School Post Graduate Course in General Surgery, Boston, Massachusetts
1977	Lecturer, American College of Surgeons, Chicago, Illinois
1977	Lecturer, Goddard Memorial Hospital, Stoughton, Massachusetts

**Teaching Experience (con't)**

1977	Lecturer, Beth Israel Hospital, Boston, Massachusetts
1977	Lecturer, Staff Education, Department of Nursing, Massachusetts General Hospital, Boston, Massachusetts
1977	Lecturer, Cable Memorial Hospital, Ipswich, Massachusetts
1978	Lecturer, Harvard Medical School Post Graduate Course in Microvascular Surgery
1978	Course Co-Director and Lecturer, Harvard Medical School Post Graduate Course in Vascular Surgery, Boston, Massachusetts
1978	Lecturer, Salem Hospital, Salem, Massachusetts
1978	Lecturer, Harvard Medical School Post Graduate Course in the Management of Severe Trauma, Boston, Massachusetts
1978	Lecturer, Society of Clinical Surgery, Massachusetts General Hospital, Boston, Massachusetts
1978	Lecturer, American College of Surgeons, San Juan, Puerto Rico
1979	Lecturer, Surgical Residency Lecture Series, Massachusetts General Hospital, Boston, Massachusetts
1979	Lecturer, Baptist Medical Center, Jacksonville, Florida
1979	Lecturer, Boston Surgical Society, Boston, Massachusetts
1979	Lecturer, Mount Auburn Hospital, Cambridge, Massachusetts
1979	Lecturer, Nantucket Cottage Hospital, Nantucket, Massachusetts
1979	Lecturer, International Cardiovascular Society, General Assembly, XIV World Congress, San Francisco, California
1979	Lecturer, Columbia University College of Physicians and Surgeons, New York, New York
1979	Lecturer, Harvard Medical School Post Graduate Course, Angiography: Current Methods and Basic Problems, Boston, Massachusetts
1979	Lecturer, Miami Heart Institute, Miami Beach, Florida
1979	Lecturer, Norwalk Hospital, Norwalk, Connecticut
1979	Lecturer, Peter Bent Brigham Hospital, Boston Massachusetts
1980	Lecturer, Conference on Vascular Disorders for Vascular Surgeons and Radiologists, Palm Beach, Florida
1980	Lecturer, American College of Surgeons Spring Meeting, Toronto, Ontario, Canada
1980	Lecturer, Medic IV Emergency Medical Services, Grand Rounds, Massachusetts General Hospital, Boston Massachusetts
1980	Lecturer, Catholic Medical Center, Manchester, New Hampshire
1980	Lecturer, Harvard Medical School Post Graduate Course, Transluminal Angioplasty and Other Therapeutic Procedures in Angiography, Boston, Massachusetts
1980	Lecturer, Mercy Hospital, Rockville Center, New York
1981	Lecturer, Life Sciences Vascular Laboratory Tutorial, Miami Heart Institute, Miami Beach, Florida
1981	Lecturer, Glover Memorial Hospital, Needham, Massachusetts
1981	Lecturer, Life Sciences Vascular Laboratory Tutorial, Washington, D.C.
1981	Interview, Physicians Radio Network, New York, New York
1981	Lecturer; Life Sciences Vascular Laboratory Tutorial, Philadelphia, Pennsylvania



**Teaching Experience (con't):**

- 1981      Lecturer, Department of Radiology, Massachusetts General Hospital, Department of Continuing Education, Harvard Medical School: Transluminal Angioplasty, Therapeutic Angiography, Digital Angiography, Interventional Radiology, Boston Massachusetts
- 1981      Lecturer, Gore Tex: Evening of Clinical Discussion, Boston Massachusetts
- 1981      Lecturer, White Plains Hospital Medical Center, White Plains, New York
- 1981      Lecturer, Life Sciences Vascular Laboratory Tutorial, Boston, Massachusetts
- 1981      Lecturer, Miami Heart Institute, Miami Beach, Florida
- 1981      Lecturer, Mercy Hospital, Rockville Center, New York
- 1981      Lecturer, Catholic Medical Center, Manchester, New Hampshire
- 1982      Lecturer, Columbia University, College of Physicians and Surgeons, New York, New York
- 1982      Lecturer, Department of Radiology, Massachusetts General Hospital, Department of Continuing Education, Harvard Medical School: Interventional Radiology, Digital Subtraction Angiography, Boston, Massachusetts
- 1982      Interview, WNEV-TV, Boston, Massachusetts
- 1982      Lecturer, Memorial Hospital, Worcester, Massachusetts
- 1982      Interview, Physicians Radio Network, New York, New York
- 1982      Lecturer, Mercy Hospital, Rockville Centre, New York
- 1982      Lecturer, Wilfred Hall Hospital, U.S. Air Force Medical Center, Lackland Air Force Base, San Antonio, Texas
- 1983      Moderator, Symposium on Transvenous Vena Cava Interruption, Society for Vascular Surgery, San Francisco, California
- 1983      Lecturer, Tenth Annual Symposium on Current Critical Problems in Vascular Surgery. Montefiore Medical Center - Einstein College of Medicine, New York, New York
- 1983      Lecturer, Northwestern University Symposium on Evaluation and Treatment of Upper and Lower Extremity Circulatory Disorders, Chicago, Illinois
- 1983      Lecturer, Allegheny General Hospital, Pittsburgh, Pennsylvania
- 1984      Lecturer, Meadox Medical Evening of Clinical Discussion regarding Dardik Biograft, Marriott Hotel, Newton, Massachusetts
- 1984      Lecturer, Puerto Rican Chapter, American College of Surgeons, San Juan, Puerto Rico
- 1984      Lecturer, Baystate Medical Center, Springfield, Massachusetts
- 1984      Lecturer, Symposium on Coronary Artery Disease in Vascular Surgery Patients, Society for Vascular Surgery, Atlanta, Georgia
- 1984      Visiting Professor, University of Toronto Vascular Unit, Toronto, Ontario, Canada
- 1984      Lecturer, Cardiovascular Surgery Symposium, Mt. Sinai Hospital, Toronto, Ontario, Canada
- 1984      Lecturer, Mount Auburn Hospital, Cambridge, Massachusetts
- 1985      Lecturer, St. Luke's Hospital, New Bedford, Massachusetts
- 1985      Lecturer, Symposium on Complications in Vascular Surgery, University of Wisconsin, Milwaukee, Wisconsin
- 1985      Lecturer, Seventh Annual Vascular Symposium, University of Medicine and Dentistry of New Jersey, Atlantic City, New Jersey

**Teaching Experience (con't):**

- 1985      Lecturer, Vascular Surgery 1985: Current State of the Art. Second International Symposium, State University of New York, New York, New York
- 1985      Lecturer, Anaesthesia Services, Upper Amphitheater, Massachusetts General Hospital, Boston, Massachusetts
- 1985      Moderator: Progress in Surgery of the Aorta and its Visceral Branches. Twelfth Annual Symposium on Current Critical Problems in Vascular Surgery. Albert Einstein College of Medicine/Montefiore Medical Center. Waldorf-Astoria Hotel, New York, New York
- 1985      Lecturer, Northwestern University Symposium on Reoperative Arterial Surgery, Chicago, Illinois
- 1986      Lecturer, university of Colorado Ninth Annual Vascular Symposium, Aspen, Colorado
- 1986      Lecturer, Urology Service Grand Rounds on Renovascular Hypertension, Massachusetts General Hospital, Boston, Massachusetts
- 1986      Visiting Professor, Section of Vascular Surgery, Mayo Clinic, Rochester, Minnesota
- 1986      Lecturer, Vanderbilt University Symposium on Vascular Disease: Management Strategies in '86, Nashville, Tennessee
- 1986      Lecturer, Boston University School of Medicine First Annual Smithwick Foundation  
Lecturer and Day in Surgery: Diagnosis and Management of Carotid Occlusive Disease, Boston, Massachusetts
- 1986      Lecturer, Thirteenth Annual Symposium on Current Critical Problems and New Horizons in Vascular Surgery. Montefiore Medical Center - Albert Einstein College of Medicine. Waldorf-Astoria Hotel, New York, New York
- 1986      Lecturer, Northwestern University symposium on Vascular Surgical Emergencies, Chicago, Illinois
- 1987      Lecturer, Mount Auburn Hospital, Cambridge, Massachusetts
- 1987      Lecturer, Trauma Rounds, Massachusetts General Hospital/Massachusetts Eye and Ear Infirmary Trauma Center, Boston, Massachusetts
- 1987      Panelist, Third Annual Conference for the Directors of Surgery in Boston. Copley Plaza Hotel, Boston, Massachusetts
- 1987      Lecturer, Fourteenth Annual Symposium on Current Critical Problems and New Horizons in Vascular Surgery. Albert Einstein College of Medicine-Montefiore Medical Center. Waldorf-Astoria Hotel, New York, New York
- 1987      Lecturer, Northwestern University Medical School Symposium on New Developments in Arterial Surgery, Chicago, Illinois
- 1988      Visiting Professor, Section of Vascular Surgery, Cleveland Clinic, Cleveland, Ohio
- 1988      Lecturer, Annual Meeting of Cleveland Vascular Society, Cleveland, Ohio
- 1988      Lecturer, and Co-Director, Harvard Medical School Post Graduate Course in Vascular Surgery, Boston, Massachusetts
- 1988      Lecturer, Harvard Medical School Post Graduate Course in General Surgery, Boston Massachusetts
- 1988      Lecturer, Harvard Medical School Symposium on Practical Interventional Radiology, Lafayette Hotel, Boston Massachusetts
- 1988      Lecturer, Peripheral Vascular Diseases Symposium, Catholic Medical Center, Manchester, New Hampshire

**Teaching Experience (con't):**

- 1988      Lecturer, Post Graduate Course in Peripheral Vascular Surgery, American College of Surgeons Clinical Congress, Chicago, Illinois
- 1988      Lecturer, Fourth Annual Symposium on Techniques in Vascular Surgery. Albert Einstein College of Medicine - Montefiore Medical Center, New York, New York
- 1988      Lecturer, Fifteenth Annual Symposium on Current Critical Problems and New Horizons in Vascular Surgery. Albert Einstein College of Medical Center, New York, New York
- 1988      Lecturer, Northwestern University Medical School Symposium on Surgery of the Aorta, Chicago, Illinois
- 1989      Lecturer, Vascular Surgery - 1989. Good Samaritan Hospital, **Palm** Beach, Florida
- 1989      Lecturer, Postgraduate Course in Surgery, Medical University of South Carolina, Charleston, South Carolina
- 1989      Lecturer, Fourth International Vascular Symposium, "Vascular Surgery 1989 - Current State of the Art." State University of New York at Stony Brook, New York City, New York
- 1989      Panelist, Vascular Surgery Motion Picture Session, American College of Surgeons 1989 Clinical Congress, Atlanta, Georgia
- 1989      Lecturer, Sixteenth Annual Symposium on Current Critical Problems in New Horizons in Vascular Surgery. Albert Einstein College of Medicine - Montefiore Medical Center, Waldorf-Astoria Hotel, New York, New York
- 1989      Lecturer, Harvard Medical School Postgraduate Course in General Surgery. Boston, Massachusetts
- 1990      Lecturer, American Heart Association Scientific Conference on Peripheral and Noncoronary Vascular Disease. Dallas, Texas
- 1990      Lecturer, Harvard Medical School Post Graduate Course in General Surgery, Boston Massachusetts
- 1990      Lecturer, Gulf Coast Vascular Society, New Orleans, Louisiana
- 1990      Lecturer, and Co-Director, Harvard Post Graduate Course in Vascular Surgery, Boston, Massachusetts
- 1990      Lecturer, Northern California Vascular Society, San Francisco, California
- 1990      Lecturer, Seventeenth Annual Symposium on Current Critical Problems and New Horizons in Vascular Surgery. Albert Einstein College of Medicine - Montefiore Medical Center Waldorf-Astoria Hotel, New York, New York
- 1991      Visiting Professor, Section of Vascular Surgery, The Milton S. Hershey Medical Center, Penn State College of Medicine, Hershey, Pennsylvania
- 1991      Visiting Professor, Department of Surgery, Bowman Gray School of Medicine, Wake Forest University, Winston-Salem, North Carolina
- 1991      Lecturer, Conference on Complications in Vascular Surgery III. University of Arizona Health Sciences Center, Tucson, Arizona
- 1991      Lecturer, American College of Surgeons Postgraduate Course in Vascular Surgery, Palm Springs, California
- 1991      Lecturer, American College of Surgeons Spring Meeting Postgraduate Course in Vascular Surgery, New York, New York

**Teaching Experience (con't)**

- 1991 Lecturer and Co-director, Harvard Postgraduate Course in Vascular Surgery: Lower Extremity Revascularization - 1991, Boston Massachusetts
- 1991 Lecturer, MGH Mini Symposium for the General Surgeon, Boston, Massachusetts
- 1991 Moderator, Video Symposium on Surgery of the Brachiocephalic Arteries and their Branches. Society for Vascular Surgery/International Society for Cardiovascular Surgery 1991 Joint Annual Meeting, Boston, Massachusetts
- 1991 Lecturer, Post Graduate Course in Peripheral Vascular Surgery, American College of Surgeons Clinical Congress, Chicago, Illinois
- 1991 Lecturer, Cine Clinics, American College of Surgeons Clinical Congress, Chicago, Illinois
- 1991 Lecturer, Eighteenth Annual Symposium on Current Critical Problems and New Horizons in Vascular Surgery. Montefiore Medical Center-Albert Einstein College of Medicine, Waldorf-Astoria Hotel, New York, New York
- 1991 Panelist, Advances in Treatment of Diseases of the Aorta and its Visceral and Iliac Branches. Eighteenth Annual Symposium on Current Critical Problems and New Horizons in Vascular Surgery. Montefiore Medical Center-Albert Einstein College of Medicine, Waldorf-Astoria Hotel, New York, New York
- 1991 Lecturer, Vascular Techniques: Unusual Anatomic Approaches or Operations. Montefiore Medical Center-Albert Einstein College of Medicine, New York, New York
- 1992 Lecturer, and Co-Director, Harvard Postgraduate Course in Vascular Surgery: Aortic Surgery - State of the Art, Boston, Massachusetts
- 1992 Moderator, Controversies in Vascular Surgery: Panel Discussion. 20th Annual Meeting of New England Society for Vascular Surgery, Dixville Notch, New Hampshire
- 1992 Lecturer, MGH Postgraduate Course: The Practice of General Surgery. Massachusetts General Hospital, Boston, Massachusetts
- 1992 Visiting Professor, Toronto General Hospital, Toronto, Ontario, Canada
- 1992 Lecturer, Toronto Vascular Society, Toronto, Canada
- 1992 Lecturer, Postgraduate Course in Peripheral Vascular Surgery, American College of Surgeons Clinical Congress, New Orleans, Louisiana
- 1992 Lecturer, Nineteenth Annual Symposium on Current Critical Problems and New Techniques in Vascular Surgery. Montefiore Medical Center-Albert Einstein College of Medicine, New York, New York
- 1992 Lecturer, Symposium on Vascular Surgery: Long-term Results. Northwestern University Medical School, Chicago, Illinois
- 1993 Lecturer, Surgical Grand Rounds, St. Vincent Hospital, Worcester, Massachusetts
- 1993 Lecturer, Surgical Grand Rounds, Massachusetts General Hospital, Boston, Massachusetts
- 1993 Curts Visiting Professor, Dartmouth Medical School Section of Vascular Surgery, Lebanon, New Hampshire
- 1993 Lecturer, Surgical Grand Rounds, Dartmouth-Hitchcock Medical Center, Lebanon, New Hampshire
- 1993 Lecturer, Postgraduate Course in Peripheral Vascular Surgery, American College of Surgery Spring Meeting, Montreal, Canada

**Teaching Experience (con't)**

- 1993      Lecturer and Co-director, 1993 Harvard Postgraduate Course in Vascular Surgery: Comprehensive Care of Patients with Vascular Disease - Evaluation and Management, Boston, Massachusetts
- 1993      Visiting Professor, University of Cincinnati Medical School, Cincinnati, Ohio
- 1993      Lecturer, Surgical Grand Rounds, University of Cincinnati Medical Center, Cincinnati, Ohio
- 1993      Lecturer, Symposium on Optimal Strategies for Treating Peripheral Arterial and Venous Occlusion: A Debate. Franklin Institute, Philadelphia, Pennsylvania
- 1993      Lecturer, Twentieth Annual Symposium on Current Critical Problems and New Techniques in Vascular Surgery. Montefiore Medical Center-Albert Einstein College of Medicine, New York, New York
- 1994      Lecturer and Co-director, 1994 Harvard Postgraduate Course in Vascular Surgery: Controversies in the Management of Vascular Disease - 1994. Boston, Massachusetts
- 1994      Visiting Professor, Division of Vascular Surgery, University of Oregon Health Sciences Center, Portland, Oregon
- 1994      Lecturer, Surgical Grand Rounds, University Hospital, University of Oregon Health Sciences Center, Portland, Oregon
- 1994      Lecturer, MGH Postgraduate Course: Management Decisions for the General Surgeon. Massachusetts General Hospital, Boston, Massachusetts
- 1994      Lecturer, Twenty-First Annual Symposium on Current Critical Problems and New Techniques in Vascular Surgery. Montefiore Medical Center-Albert Einstein College of Medicine, New York, New York
- 1994      Lecturer, Progress in Angioscopy, New Interventional Techniques and Endovascular Grafting 1994, Harvard Medical School, Boston, Massachusetts
- 1994      Lecturer, Allegheny Vascular Society, Pittsburgh, Pennsylvania
- 1995      Lecturer, Medical Grand Rounds, Atlanticare Medical Center, Lynn, Massachusetts
- 1995      Lecturer, Surgical Grand Rounds, Massachusetts General Hospital, Boston, Massachusetts
- 1995      Lecturer, Symposium on Management of Extracranial Cerebrovascular Disease in the 1990s. Pennsylvania Hospital, Philadelphia, Pennsylvania
- 1995      Lecturer and Co-Director, 1995 Harvard Postgraduate Course in Vascular Surgery: Comprehensive Management of Diseases of the Aorta and its Visceral Branches. Boston, Massachusetts
- 1995      Lecturer, American College of Surgeons Spring Meeting, Boston, Massachusetts
- 1995      Moderator, Video Session on Common Vascular Surgical Techniques. 1995 Annual Joint Meeting of the Society for Vascular Surgery and International Society for Cardiovascular Surgery. New Orleans, Louisiana
- 1995      Lecturer, Surgical Grand Rounds, Acute Mesenteric Ischemia. Massachusetts General Hospital, Boston, Massachusetts
- 1995      Charles Claude Guthrie Honored Guest Lecture, Midwestern Vascular Surgical Society, Chicago, Illinois
- 1995      Lecturer, Gulf Vascular Society, New Orleans, Louisiana
- 1995      Invited Distinguished Lecturer, Southern California Vascular Society, La Jolla, California

**Teaching Experience (con't):**

- 1995 Moderator and Lecturer, Options in Management of Aortoiliac Occlusive Disease. American College of Surgeons Clinical Congress, New Orleans, Louisiana
- 1995 Moderator, Vascular Surgery Motion Picture Session, American College of Surgeons Clinical Congress, New Orleans, Louisiana
- 1995 Moderator, Advances in the Treatment of Disease of the Aorta and its Visceral and Iliac Branches. Twenty-second Annual Montefiore-Einstein Vascular Symposium, New York, New York
- 1995 Lecturer, Albert Einstein-Montefiore Vascular Symposium: Current Critical Problems in Vascular Surgery. New York, New York
- 1995 Lecturer, 1995 Symposium on Arterial Surgery: Management of Challenging Problems. Northwestern University Medical School, Chicago, Illinois
- 1996 Lecturer, Postgraduate Course in Vascular Surgery. American College of Surgeons Spring Meeting. New York, New York
- 1996 Lecturer, Hartford Vascular Society. Hartford, Connecticut
- 1996 Lecturer, Postgraduate Course in Vascular Surgery. American College of Surgeons Clinical Congress, San Francisco, California
- 1996 Robert W. Binkley Visiting Professor, University of California at San Francisco, California
- 1996 Lecturer, Northern California Vascular Society, San Francisco, California
- 1996 Lecturer, Twenty-third Annual Albert Einstein-Montefiore Symposium: Current Critical Problems, New Horizons and Techniques in Vascular And Endovascular Surgery. New York, New York
- 1996 Lecturer, Melrose-Wakefield Hospital Grand Rounds. Melrose, Massachusetts

## Bibliography

### Original Reports

1. Brewster DC. Splenosis: Report of two cases and review of the literature. *Am J Surg.* 1973;126:14-19.
2. Brewster DC, McMillan IKR, Edwards R. Chondroma of the trachea: report of a case and review of the literature. *Ann Thorac Surg.* 1975;19:576-584.
3. Brewster DC, Retana A, Waltman A, Darling RC. Angiography in the management of aneurysms of the abdominal aorta. Its value and safety. *N Engl J Med.* 1975;292:822-825.
4. Raines JK, Darling RC, Buth J, Brewster DC, Austen WG. Vascular laboratory criteria for the management of peripheral vascular disease of the lower extremities. *Surgery* 1976;79:21-29.
5. Brewster DC, Buth J, Darling RC, Austen WG. Combined aortic and renal artery reconstruction. *Am J Surg.* 1976;131:457-463.
6. Brewster DC, Darling RC. The case for angiography in abdominal aortic aneurysms. *Med Times* 1976;104:79-87.
7. Darling RC, Retana Carvajal A, Brewster DC. El Estudio angiografico en el manejo de aneurismas de la aorta abdominal: coeficiente de valor y seguridad. *Acta Medica Costarricense* 1976;19(2):111-120.
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### **Non-Print Material**

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