

CURRICULUM VITAE

NAME: Bruce Cutler, MD

EDUCATION:

Princeton University, Princeton, New Jersey

Graduated: June 1962
Degree: Bachelor of Arts, *summa cum laude*
Honors: Phi Beta Kappa Society
Sigma XI Society

Harvard Medical School, Boston, Massachusetts

Graduated: June 1966
Degree: Doctor of Medicine, *cum laude*
Honors: Alpha Omega Alpha Society

Post-Graduate Education:

Internship: Massachusetts General Hospital, 1966-67
Residency: Massachusetts General Hospital, 1967-68, 1970-73
Fellowship: Vascular Surgery, Jesse Thompson, M.D., 1973-74
Baylor University Medical Center, Dallas, TX

MILITARY SERVICE:

1968-1969: Medical Company Commander, Company C
23rd Medical Battalion, Americal Division
Republic of Vietnam
Awards: Bronze Star with Oak Leaf Cluster
Air Medal with Oak Leaf Cluster
1969-1970: Surgical Staff, Kirk Army Hospital
Aberdeen, Maryland

BOARD CERTIFICATION:

National Board of Medical Examiners, 1967
American Board of Surgery, 1974
Certification Vascular Surgery, 1984
Recertification Vascular Surgery, 1994

STATE LICENSURE:

Massachusetts

PRESENT ACTIVITY:

Professor of Surgery; UMass Memorial Medical Center
Worcester, Massachusetts. AWARDED TENURE 1979.

Director, Vascular Laboratory: UMass Memorial Medical Center,
Worcester, Massachusetts.

Chief, Division of Vascular Surgery; UMass Memorial Medical Center,
Worcester, Massachusetts.

Director of Vascular Residency Program: UMass Memorial Medical Center,
Worcester, Massachusetts. (Accredited American Board of Surgery, 1984).

Staff Surgeon: St. Vincent Hospital, Worcester, Massachusetts.

Affiliate Faculty: Worcester Polytechnic Institute, Worcester, Massachusetts.

Selection Committee, Wylie Traveling Fellowship, Society for Vascular Surgery

Senior Examiner for American Board of Surgery Certification in Vascular Surgery

SOCIETY MEMBERSHIPS:

International Society for Cardiovascular Surgery
Massachusetts Chapter, American College of Surgeons
American College of Surgeons, Fellowship 1977
Jesse Thompson Vascular Society, Chairman 1980-1981
Society for Vascular Surgery
New England Surgical Society
New England Society for Vascular Surgery, Secretary 1984-1992, President 1993-1994, Chairman
Nominating Committee 1996

GRANTS:

1. Principal Investigator: "Evaluation of Safety, Tolerance and Efficacy of BL 191 in the Treatment of Peripheral Vascular Disease". Sponsored by Hoechst-Roussel Pharmaceutical, Inc.
Funding: \$78,000.
2. Principal Investigator: "Red Blood Cell Survival Following Auto-transfusion". Haemonetics Corporation. Funding: \$21,000.
3. Principal Investigator: "Ketanserin in the Prevention of Cardiovascular Events in Claudicating Patients with Atherosclerosis". Janssen Pharmaceutical. Funding: \$86,000.
4. Principal Investigator: "Multicenter Evaluation of the Safety and Efficacy of PY 108-068, Compared with Placebo in Patients with Atherosclerosis Obliterous". Sandoz Research Institute.
Funding: \$266,000.
5. Principal Investigator: "A Multicenter Study of d-Indobufen Compared with Placebo in Patients with Intermittent Claudication". Adria Laboratories. Funding: \$190,000.
6. Principal Investigator: "Clinical Evaluation of the Percutaneous Greenfield Filter". Boston Scientific Corporation. Funding: \$27,000.

7. Principal Investigator: "Implantation of a New Prosthetic Vascular Graft in Animals". Bard Cardiovascular. Funding: \$10,000.
8. Principal Investigator: "Clinical Evaluation of PGI₂ in Healing of Ischemic Ulcers". G.H. Besselaar Associates. Funding: \$125,000.
9. Principal Investigator: "A Randomized Double-Blind Placebo-Controlled Study of Cilostazol (OPC-13013) in Patients with Intermittent Claudication Secondary to Chronic Occlusive Arterial Disease". Otsuka America Pharmaceutical, Inc. Funding: \$187,000.
10. Principal Investigator: "A Randomized, Double-Blind, Placebo-Controlled, Multidose Study of Cilostazol in Patients with Intermittent Claudication Secondary to Chronic Occlusive Arterial Disease". Otsuka America Pharmaceutical, Inc. Funding: \$157,000.
11. Principal Investigator: "A Randomized, Double-Blind Placebo-Controlled Study of the Effect of Cilostazol on Walking Distances in Patients with Intermittent Claudication". Otsuka Pharmaceutical, Inc. Funding: \$286,000.
12. Principal Investigator: "A Randomized, Double-Blind, Placebo-Controlled Study of the Effect of Cilostazol on Walking Distances in Patients with Intermittent Claudication". Otsuka America Pharmaceutical, Inc. Funding: \$324,000.
13. Principal Investigator: "A Randomized Double-Blind, Placebo-Controlled, Dose Response, Efficacy and Safety Study of Oral Iloprost Administered for Six Months, in Severe Peripheral Vascular Disease". Sponsor: Berlex Laboratories, Inc. Funding: \$52,000.
14. Principal Investigator: "A Randomized Double-Blind Comparison of Cilostazol and Trental vs. Placebo in Patients with Intermittent Claudication". Sponsor: Otsuka Pharmaceutical. Funding: \$249,000.
15. Principal Investigator: "Controlled, MultiCenter, Randomized, Parallel-Group, Single-Blind Study to Compare the Safety and Hemostatic Efficacy of the Fibrin Sealant, Beriplast P, with Thrombin-Soaked Gelfoam in the Treatment of Bleeding Anastomosis Sites". Sponsor: Centeon Corporation. Funding: \$105,000.
16. Principal Investigator: "A One-Year Randomized, Double-Blind, Placebo Controlled, Parallel Group, Multi-Center Study to Evaluate the Efficacy of Avasimibe in Patients with Peripheral Vascular Disease." Sponsor: Parke-Davis Pharmaceuticals. Funding: \$285,000.
17. Principal Investigator: "A Multi-Center, Double-Blind, Randomized, Placebo-Controlled Study of the Safety and Efficacy of Chronic and Beraprost Sodium in Patients with Intermittent Claudication." Sponsor: United Therapeutics Corporation. Funding: \$300,000.
18. Principal Investigator: "A Multi-Center, Double-Blind, Placebo-Controlled Study of the Safety and Efficacy of Chronic and Beraprost Sodium in patients with Intermittent Claudication: A follow on Study." Sponsor: United Therapeutics Corporation. Funding: \$235,000.
19. Principal Investigator: "A Randomized, Placebo-controlled, 12 week Multicenter Study of the Safety and Efficacy of Continuous or Daily Administration of Remodulin (trepostinil) Injection Compared to Conventional Therapy in Patients with Critical Limb Ischemia." Sponsor: United Therapeutics Corporation. Funding \$50,000.
20. Principal Investigator: "The Effect of Niacin ER/Lovastatin vs. Placebo on Peak Walking time in Patients with Intermittent Claudication." Sponsor: KOS Pharmaceutical Corporation. Funding \$144,000.

21. Principal Investigator: "A Randomized Placebo-Controlled, 24 week Multicenter Study of the Safety and Efficacy of Remodulin in Patients with Critical Limb Ischemia Following an Autogenous Vein Infrainguinal Bypass Graft." Sponsor: United Therapeutics Corporation. Funding \$48,000.00.
22. Principal Investigator: "Prospective, randomized, controlled study to compare the effects of fibrin sealant (FS2) versus manual compression for hemostatic efficacy during vascular surgical procedures utilizing polytetrafluoroethylene graft material on an end - to side femoral or upper extremity arterial access anastomosis." Sponsor: Ethicon. Funding: \$64,890.00.
23. Principal Investigator: "Prospective, randomized, double-blind (phase 2) study of Rifalazil Treatment on the Number of vascular Interventions and Peripheral Vascular Disease end points in Chlamydia pneumonia seropositive patients (PROVIDENCE-1). Sponsor: Activbiotics. Funding: \$102,000.
24. Principal Investigator: "Safety and efficacy of Propionyl-L-Carnitine in combination with monitored Exercise Training in Peripheral Arterial Disease (Intermittent Claudication) as assessed by a graded treadmill protocol. Sponsor Sigma Tau Research, Inc. Funding: \$118,000.00.
25. Principal Investigator: "Evaluation of cilostazol in combination with L-Carnitine in the treatment of intermittent claudication." The "Eclectic Study" Sponsor: Colorado Prevention Center. Funding \$65,000.

EDITORIAL:

1. Abstract Writer for Journal of Vascular Surgery.
2. Key Editorial Reviewer for Journal of Vascular Surgery. 2001- Present
3. Special Editorial Reviewer for Archives of Internal Medicine. 1999-Present
4. Editorial Board, Journal of Ultrasound Technology.
5. Editorial Board, Review of Vascular Surgery.
6. Special Editorial Reviewer for Journal of the American College of Cardiology
7. Special Editor Vascular Medicine

HONORS:

"Best Doctors in America" 1999, 2001 – 2008
"America's Top Surgeons" 2007-2008.

BIBLIOGRAPHY

PAPERS:

1. Cutler, B.S., Donaldson, G.A.: Primary sclerosing cholangitis and obliterative cholangitis. Presented to New England Surgical Society meeting. *Am. J. Surg.* 117:502, 1969.
2. Cutler, B.S., Forbes, A.P., Ingersoll, F.M., Scully, R.E.: Endometrial carcinoma after stilbestrol therapy in gonadal dysgenesis. *N. Engl. J. Med.* 287:628, 1972.
3. Cutler, B.S., Darling, R.C.: Surgical management of arteriosclerotic femoral aneurysms. *Surgery.* 74:764, 1973.
4. Cutler, B.S., Daggett, W.M.: Application of the "G-suit" to the control of hemorrhage in massive trauma. *Ann. Surg.* 173:511, 1971.
5. Cutler, B.S., Thompson, J.E., Patman, R.D., Persson, A.V.: The modified bovine arterial graft: A clinical study. Presented to the Society for Vascular Surgery meeting. *Surgery.* 76:963, 1974.
6. Cutler, B.S., Thompson, J.E., Kleinsasser, L.J., and Hempel, G.K.: Autologous saphenous vein femoropopliteal bypass: Analysis of 298 cases. *Surgery.* 79:325, 1976.
7. Cutler, B.S., Wheeler, H.B., Paraskos, J.A., Cardullo, P.A.: Assessment of operative risk with electrocardiographic exercise testing in patients with peripheral vascular disease. Presented to New England Surgical Society meeting. *Am. J. Surg.* 137:484, 1979.
8. Herrmann, J.B., Korgaonker, M., and Cutler, B.S.: Limitations of noninvasive evaluation of carotid occlusive disease. Presented to Sixth Annual Meeting of the New England Society for Vascular Surgery. *Arch. Surg.* 114:1049, 1979.
9. Welch, G.W., Cutler, B.S., VanderSalm, T.J., and Hays, D.P.: Hemolysis caused by mislabeled saline solution. *Am. J. Hosp. Pharm.* 36:446, 1979.
10. Niles, N.W. 2d, VanderSalm, T.J., and Cutler, B.S.: Return to work after coronary artery bypass surgery. *J. Thorac. Cardiovasc. Surg.* 79:916, 1980.
11. Cutler, B.S. and VanderSalm, T.J.: Improved technique for insertion of intra-aortic balloon pump. *Arch. Surg.* 115:794, 1980.
12. VanderSalm, T.J., Cereda, J.M., and Cutler, B.S.: Brachial plexus injury following median sternotomy. *J. Thorac. Cardiovasc. Surg.* 80:447, 1980.
13. Pringle, T.H., Ockene, I.S., Howe, 3d, J.P., Cutler, B.S., VanderSalm, T.J.: Origin of the left anterior descending coronary artery from the pulmonary artery: An unusual cause of angina in a middle-aged woman. *Cardiovascular Diseases Bulletin Texas Heart Institute.* 7:302, 1980.
14. Cutler, B.S., Cantelmo, N.L.: New use for an old clamp. *Arch. Surg.* 115:1136-1137, 1980.
15. Rasmussen, B., Peura, R.A., Wheeler, H.B., Cutler, B.S.: Measurement of internal carotid artery blood volume pulsations by non-contact ocular photoelectric plethysmography. *IEEE Trans. Biomed. Engl.* 28:573, 1981.
16. Cutler, B.S., Wheeler, H.B., Paraskos, J.A., Cardullo, P.A.: Applicability and interpretation of electrocardiographic stress testing in patients with peripheral vascular disease. Presented to 61st annual meeting New England Surgical Society. *Am. J. Surg.* 141:501, 1981.

17. Cantelmo, N.L., Cutler, B.S., Wheeler, H.B., Herrmann, J.B., Cardullo, P.A.: Noninvasive detection of carotid stenosis following endarterectomy. Presented to 7th annual meeting of New England Society for Vascular Surgery. *Arch. Surg.* 116:1005, 1981.
18. Cutler, B.S., VanderSalm, T.J.: Femoral artery embolism and rupture of abdominal aortic aneurysm. *J. Cardiovasc. Surg. (Torino)*. 22:92, 1981.
19. VanderSalm, T.J., Cutler, B.S.: Traumatic aortic rupture: Presentation as a femoral embolus. *J. Cardiovasc. Surg. (Torino)*. 21:501, 1980.
20. Cantelmo, N.L., Alpert, J.S., Cutler, B.S., Neuschatz, J.S., Romero, L., and Ockene, I.S.: Arteriovenous fistula masquerading as valvular heart disease. *JAMA*. 245:1936, 1981.
21. Cardullo, P.A., Cutler, B.S., Wheeler, H.B., and Herrmann, J.B.: Noninvasive detection of carotid disease: An evaluation of ocular plethysmography, carotid phono-angiography, and pulsed Doppler ultrasonic arteriography. *Bruit (December)*:5, 26, 1981.
22. Gomez, G.A., Cutler, B.S., Wheeler, H.B.: Transvenous interruption of inferior vena cava. Presented to 8th Annual Meeting of the New England Society for Vascular Surgery. *Surg.* 93:612-620, 1983.
23. VanderSalm, T.J., Okike, O.N., Cutler, B.S., Paraskos, J.A., Ferullo, J., and Daggett, W.M.: Improved myocardial preservation by improved distribution of cardioplegic solution. *J. Thorac. Cardiovasc. Surg.* 83:767, 1982.
24. Ansell, J., Parrilla, N., King, M., Fournier, L., Szymanski, I., Doherty P., VanderSalm, T., Cutler, B.: Survival of auto-transfused red blood cells recovered from the surgical field during cardiovascular operations. *J. Thorac. Cardiovasc. Surg.* 84:387, 1982.
25. Patwardhan, N.A., Anderson, Jr., F.A., Cutler, B.S., Wheeler, H.B.: Noninvasive detection of axillary and subclavian venous thrombosis by impedance plethysmography. Presented to XV World Congress of the International Cardiovascular Society, Athens, Greece. September 1981. *J. Cardiovasc. Surg. (Torino)* 24:250, 1983.
26. Wheeler, H.B., Anderson, Jr., F.A., Cardullo, P.A., Patwardhan, N.A., Li, J-M., Cutler, B.S.: Suspected deep vein thrombosis. Management by impedance plethysmography. *Arch. Surg.* 117:120b, 1982.
27. VanderSalm, T.J., Cutler, B.S., Okike, O.N.: Brachial plexus injury following median sternotomy, II. *J. Thorac. Cardiovasc. Surg.* 83:914, 1982.
28. VanderSalm, T.J., Okike, O.N., Cutler, B.S., Paraskos, J.A., Ferullo, J., Daggett, W.: Distribution of cardioplegia solution during bypass grafting. *The J. Thorac. Cardiovasc. Surg.* 85:474-475, 1983.
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31. Cardullo, P.A., Herrmann, J.B., Cutler, B.S., Wheeler, H.B.: Unilateral hypoplastic internal carotid artery. *Bruit.* 8:54-55, 1983.
32. Cutler, B.S.: Avoidance of transfusion in aortic surgery: The role of hemodilution, surgical technique, and auto-transfusion. Presented to the 10th Annual Meeting of the New England Society for Vascular Surgery. *Arch. Surg.* 119:780-783, 1984.

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34. Reich, T., Cutler, B.S., Lee, B.Y., Porter, J.M., Reichle, F.A., Scogin, J.T., Strandness, E.D.: Pentoxifylline in the treatment of intermittent claudication of the lower limbs. *Angiology.* 35:389-395, 1984.
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36. Cutler, B.S.: Laboratory evaluation of peripheral vascular disease. *J. Cardiovasc. Med.* Feb. 1985.
37. Cardullo, P.A., Cutler, B.S., Wheeler, H.B.: Facility Report: University of Massachusetts Medical Center. *Bruit.* In Press.
38. Cutler, B.S.: Prevention of cardiac complications in peripheral vascular surgery. *Surg. Clin. N. America.* 66:281-292, 1986.
39. Burke, Jr., P.M., Herrmann, J.B., and Cutler, B.S.: Optimal grafting methods for the small aorta. Presented at the XIX meeting of the International Cardiovascular Society, Monaco 1985. *J. International Cardiovascular Society.* *J. Cardiovasc. Surg.* 28:420-426, 1987.
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41. Burke, Jr., P.M., Cutler, B.S.: Atherosclerotic aneurysm of the carotid artery. *Contemporary Surgery.* 29:42-48, 1986.
42. Arous, E.J., Cutler, B.S.: Persistent hypoglossal artery. *Bruit* 9:173-194, 1985.
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47. Schiedler, M.G., Cutler, B.S., Fiddian-Green, R.G.: Sigmoid intramural pH for predication of ischemic colitis during aortic surgery: A comparison with risk factors and inferior mesenteric artery stump pressures. Presented to the 13th Annual Meeting of the New England Society for Vascular Surgery. *Arch. Surg.* 122:881-886, 1987.
48. Rohrer, M.J., Cutler, B.S., Wheeler, H.B.: Long-term survival and quality of life following ruptured abdominal aortic aneurysm surgery. Presented to the 14th Annual Meeting of the New England Society for Vascular Surgery. *Arch. Surg.* 123:1213-1217, 1988.
49. Rohrer, M.J. and Cutler, B.S.: Placement of two Greenfield filters in a duplicated vena cava. *Surgery.* 104:572-574, 1988.

50. Rohrer, M.J., Schiedler, M.G., Wheeler, H.B., Cutler, B.S.: Extended indications for placement of an inferior vena caval filter. Presented to the 15th Annual Meeting of the New England Society For Vascular Surgery. *J. Vasc. Surg.* 10:44-50, 1989.
51. Sullivan, C.A., Cutler, B.S.: Innominate artery aneurysm. *Cont. Surg.* 36:11-15, 1990.
52. Sullivan, C.A., Rohrer, M.J., Cutler, B.S.: Clinical management of the symptomatic but unruptured abdominal aortic aneurysm. Presented to the 16th Annual Meeting of the New England Society for Vascular Surgery. *J. Vasc. Surg.* 11:799-803, 1990.
53. Cutler, B.S., Greenfield, L.J., VanderSalm, T.J.: Transatrial interruption of the inferior vena cava. *Arch Surg.* 125:1222-1223, 1990.
54. Cutler, B.S., Fink, M.R.: Postoperative complications in patients with disabling psychiatric illness or intellectual handicaps: A case-controlled, retrospective analysis. *Arch. Surg.* 125:1436-1440, 1990.
55. Rohrer, M.J., Sullivan, C.A., McLaughlin, D.J., Cutler, B.S.: A prospective, randomized comparison of surgical and percutaneous intra-aortic balloon pump removal. *J. Thorac. Cardiovasc. Surg.* 103:569-572, 1992.
56. Keith, S.L., McLaughlin, D.J., Anderson, F.A., Cardullo, P.A., Jones, C.E., Rohrer, M.J., Cutler, B.S.: The effect of graduated compression stockings and intermittent pneumatic compression on venous flow velocity. Presented to the 17th Annual Meeting of the New England Society for Vascular Surgery. *Arch. Surg.* 127:727-730, 1992.
57. Cutler, B.S.: Interpretation and results of intravenous Dipyridamole Thallium Scintigraphy. *Sem. Vasc. Surg.* 4:83-89, 1991.
58. Greenfield, L.J., Cho, K.J., Proctor, M., Bonn, J., Bookstein, J.J., Casteneda-Zuniga, W.R., Cutler, B.S., Ferris, E.J., Keller, F., McKown, T., Pais, O., Tisnado, J., Waltman, A.C.: Results of a multicenter study of a modified hook titanium Greenfield filter. *J. Vasc. Surgery.* 14:253-7, 1991.
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abdominal aortic aneurysm. Am. J. Surg. 170-223-226, 1995.

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77. Dawson, D.L., Cutler, B.S., Meissner, M.H., Strandness, D.E., Jr.: Cilostazol has beneficial effects in treatment of intermittent claudication -- Results from a multicenter, randomized, prospective, double-blind trial. *Circulation,* 98:678-686, 1998.
78. Money, S.R., Herd J.A., Davidson, M., Isaacshon J.L., Cutler, B.S.: Effects of cilastozol on walking distances in patients with intermittent claudication secondary to peripheral vascular disease. Presented to 51st Annual Meeting of the Society for Vascular Surgery. June 4, 1997, Boston, MA. *J. Vasc Surg.,* 27:267-75, 1998.
- Vegas, 79. Massie, M.T., Rohrer, M.J., Cardullo, P.A., Cutler, B.S.: Ultrasound guided compression for treatment of iatrogenic arteriovenous fistulae. Presented to the American Angiology Society, June 1997, Las Vegas, NV. *Vasc Surg.,* 32(3):263-268, 1998.

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83. Soller BR, Zhang S., Kaus S., Heard SO, Rohrer, MJ, Cutler BS. Application of near Infrared Spectroscopy for the Non Invasive Measurement of Hematocrit on Surgical Patients. *Crit Care Med* 27:144. 1999
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