

CURRICULUM VITAE

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Name: Christian E. Sampson, M.D.

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Education:

1978 B.A. DePauw University
1981 M.A. Boston University Graduate School (Biochemistry)
1986 M.D. Boston University Medical School

Postdoctoral Training:

1986 - 1991 Resident in General Surgery, Boston University, Boston, MA
1991 - 1993 Resident in Plastic Surgery, Brigham and Women's
Hospital/Harvard Medical School, Boston, MA
1993 -1994 Fellow in Hand Surgery, C.V. Starr Hand Surgery Center
Roosevelt Hospital, New York, NY

Licensure and Certification:

1989 Commonwealth of Massachusetts
1996 Board Certified, General Surgery
1996 Board Certified, Plastic Surgery
2003 Board Certified, Hand Surgery (CAQ) 2003
2012 Board Recertified, Hand Surgery

Academic Appointments:

1994 Instructor in Surgery, Harvard Medical School
2004 Assistant Professor, Department of Surgery, Harvard Medical School

Hospital or Affiliated Institution Appointments:

1994 Instructor in Surgery, Brigham & Women's Hospital
1994 Instructor in Surgery, Children's Hospital
1998 Instructor in Surgery, Faulkner Hospital
1996 Staff Surgeon, Quincy Hospital Medical Center
2004 Assistant Professor, Department of Surgery, Harvard Medical School
2012 Harvard Combined Plastic Surgery Residency Site Director, Brigham and Women's Hospital

Other Professional Positions and Major Visiting Appointments:

1987 Captain, United States Army Reserve

Awards and Honors:

2004 Best of Boston, Boston's Top Doctors
2007 Best of Boston, Boston's Top Doctors
2009 Best of Boston, Boston's Top Doctors
2010 Best of Boston, Boston's Top Doctors
2011 Best of Boston, Boston's Top Doctors
2012 Best of Boston, Boston's Top Doctors

Hospital and Health Care Organization Service Responsibilities:

1994 Staff Surgeon, Hand Surgery Clinic, Children's Hospital
1997 Staff Surgeon, Plastic Surgery Clinic, Children's Hospital (Peabody)
2005 Staff Surgeon, Plastic Surgery Clinic, Children's Hospital (Lexington)

Major Administrative Responsibilities

2010 Site Director Combined Harvard Plastic Surgery Training Program, Harvard Medical School.

2010 Coordinator – Plastic Surgery Hand Service

Major Committee Assignments:

2002 Committee on Medical Education, Ad Hoc Member, Harvard
Medical School / Brigham & Women’s Hospital

2005 Brigham and Women’s Physician Council

2005 Physician Executive Committee

2010 Trauma Peer Review

2010 Residency Program Directors Quarterly Quality and Safety
Committee

2012 Surgery Credentials Committee at Brigham and Women’s Hospital

Professional Society Involvement:

1991 American Medical Association, Member

1992 Massachusetts Medical Society, Member

2003 American Society of Plastic Surgeons, Member

Editorial Activities:

2012 Behan F, Findlay M, Lo CH. *The Keystone Perforator Island Flap*.
Chatswood NSW, Australia; Elsevier Australia, 2012. Print.

Research, Teaching, and Clinical Contributions:

Narrative report of Research, Teaching, and Clinical Contributions:

Current research is in the development of a technique for accurately measuring digital artery blood flow and velocity using phase-contrast magnetic resonance angiography. Other work is in the surgical management of Purpura fulminans due to meningococemia. Research focus continues to be the development of hardware and software for the use of phase contrast magnetic resonance angiography for digital artery blood velocity studies. This is in conjunction with staff from the Brigham & Women’s Hospital radiology staff. Work is also in

progress for outcome study of our experience with the sural artery fasciocutaneous pedicled flap for treatment of lower extremity soft tissue defects.

Report of Current Research Activities:

Encelle Diabetic Foot Ulcer study, Co-Investigator

A Randomized, Controlled Multicenter Trial of Vacuum Assisted Closure Therapy™ in the Treatment and Blinded Evaluation of Open Chest Wounds, Co-Investigator

A Randomized, Controlled Multicenter Trial of Vacuum Assisted Closure Therapy™ in the Treatment and Blinded Evaluation of Open Abdominal Wounds, Co-Investigator

A Prospective Randomized Trial of Vacuum Assisted Closure Versus the Healthpoint System in Chronic Nonhealing Wounds, Co-Investigator

Transplantation of the allograft upper extremities for treatment of dominant hand of bilateral amputees. Co-Investigator, Institutional Funding

Report of Teaching:

Local Contributions:

1995 New England Deaconess Hospital - Plastic Surgery Grand Rounds, "Nerve entrapment syndromes of the upper extremity"

1995 Boston Hand Society, "Dynamic force transmission in fresh, unpreserved cadaver wrists"

1996-Present Introduction to Clinical Medicine. BWH. A three month course of preceptorship in medical students introduction to history taking and the physical examination of patients. Responsible for 2-3 students. Three to four hours per week.

1997-Present Lecture: "Examination of the Hand," ICM course

1998 Beth Israel - New England Deaconess Medical Center Plastic Surgery Grand Rounds, "The Role of Digital / Peripheral Sympathectomy in the Management of Raynaud's Syndrome"

- 1998 Massachusetts General Hospital Plastic Surgery Grand Rounds, "The Role of Digital / Peripheral Sympathectomy in the Management of Raynaud's Syndrome"
- 1998 West Roxbury VA Grand Rounds, "The Role of Digital / Peripheral Sympathectomy in the Management of Raynaud's Syndrome"
- 1998 Brigham Internal Medicine conference, "Common Hand Problems"
- 2000 11th Annual Richard J. Smith Memorial Lecture; Pandya S, Sampson CE. "Case report of a modification of proximal row carpectomy: fascial resurfacing of diseased lunate fossa"
- 2001 12th Annual Richard J. Smith Memorial Lecture; Labow B, Sampson CE. "TB involvement of the wrist: case report"
- 2002 13th Annual Richard J. Smith Memorial Lecture; Ting V, Sampson CE. "High resolution blood flow measurements in digits with phase contrast MR"
- 2003 "Examination of the Hand," Patient-Doctor II, Harvard Medical School
- 2003 Harvard Plastic Surgery Core Curriculum slide review.
- 2004 "Examination of the Hand," Patient-Doctor II, Harvard Medical School
- 2004 Brigham & Women's Hospital General Surgery Grand Rounds, "Management of the Ischemic Upper Extremity"
- 2005 "Examination of the Hand," Patient-Doctor II, Harvard Medical School
- 2006 "Examination of the Hand," Patient-Doctor II, Harvard Medical School
- 2007 "Examination of the Hand," Patient-Doctor II, Harvard Medical School
- 2008 "Examination of the Hand," Patient-Doctor II, Harvard Medical School

- 2009 “Examination of the Hand,” Patient-Doctor II, Harvard Medical School
- 2010 “Examination of the Hand,” Patient-Doctor II, Harvard Medical School
- 2011 “Catastrophic Hand Injuries,” 7th Annual Medicine, Bioethics & Spirituality Conference, Worcester MA
- 2011 “Examination of the Hand,” Patient-Doctor II, Harvard Medical School
- 2012 “Examination of the Hand,” Patient-Doctor II, Harvard Medical School

Regional, national, or international contributions:

- 1998 Instructional Course for American Society of Plastic and Reconstructive Surgery Annual meeting, Boston, MA, “Management of the Ischemic Upper Extremity”
- 1999 Instructional Course for American Society of Plastic and Reconstructive Surgery Annual meeting, New Orleans, LA, “Management of the Ischemic Upper Extremity”
- 2000 Instructional Course for American Society of Plastic and Reconstructive Surgery Annual meeting, Los Angeles, CA, “Management of the Ischemic Upper Extremity”
- 2002 Instructional Course for American Society of Plastic and Reconstructive Surgery Annual meeting, San Antonio, TX, “Management of the Ischemic Hand”
- 2008 Instructional Course for American Society of Plastic and Reconstructive Surgery Annual meeting, Chicago, IL, “Management of the Ischemic Upper Extremity”
- 2010 Instructional Course for American Society of Plastic and Reconstructive Surgery Annual meeting, Toronto, Canada “Management of the Ischemic Upper Extremity”

Teaching Awards:

1998 Outstanding Teaching Performance, Introduction to Clinical Medicine Program, Harvard Medical School

Report of Clinical Activities:

Practice is general plastic surgery with an emphasis on hand. 70-80 patients seen per week in clinics. Approximately 15-20 surgical cases per week. 70% of the time is at BWH. 30% is at CH. Cases range from simple hand cases to complex reconstruction for trauma or congenital anomalies. Two days per month are spent at BWH in Foxboro at the multispecialty clinic.

Bibliography:

Original Reports:

1. Cantarow WD, Saravis CA, Sampson CE. Nonspecific binding of p-phenylenediamine-pyrocatechol peroxidase substrate to electro-focused proteins. *Electrophoresis*. 1983, 4:164-165.
2. Saravis CA, Cook RB, Sampson CE, Polvino WJ. Two-dimensional (crossed) immunoelectrophoresis template procedure: Use of preformed media. *Electrophoresis*. 1983, 4:165-167.
3. Sampson CE, Chichester CO, Hayes JA, Kagan HM. Alterations in Collagen Biosynthesis and in Metallothionein in Lungs of Rats Acutely or Repeatedly Exposed to Cadmium Chloride Aerosol. *Am Rev Respir Dis*. 1984; 129:619-624.
4. Upton J, Sampson CE, Havlik R, Golan JB, Wayne A. Acquired Arteriovenous Fistulas in Children. *J. Hand Surg*. 1994, 19A:656-658.
5. Pribaz JJ, Orgill DP, Epstein MD, Sampson CE, Hergueter CA. Anterolateral Thigh Free Flap. *Ann. Plas. Surg*. 1995; 34(6): 585-592.
6. Rutkove SB, Kothari MJ, Sampson CE, and Preston DC. The effect of wrist position on the conduction velocity of the ulnar nerve. *Muscle & Nerve* 1996; 19:657-658.

7. Gibstein LA, Abramson DL, Sampson CE, Pribaz JJ. Musculofascial flaps based on the dorsalis pedis vascular pedicle for coverage of the foot and ankle. *Annals of Plastic Surgery*. 37(2): 152-7, 1996 Aug.
8. Sampson CE, MaGuire J, Eriksson E. Botfly Myiasis: Case report and brief review. *Annals of Plastic Surgery*. 46(2): 150-2, 2001 Feb.
9. Neuwalder JM, Sampson C, Breuing KH, Orgill DP. A review of computer aided body surface area determination: SAGE II and EPRI's 3D Burn Vision. *Journal of Burn Care and Rehabilitation*, 2002;23(1):55-59.
10. Bae DS, Waters PM, Sampson C. The Use of Free Vascularized Fibula Graft for Congenital Ulnar Pseudarthrosis: Surgical Decision-Making in the Growing Child. *Journal of Pediatric Orthopedics*. 25(6): 755-762, 2005 Nov./Dec.
11. Oberoi J, Sampson CE, Ross E. Head and Neck Peripheral Stimulation for Chronic Pain Report of Three Cases. *Neuromodulation: Technology at the Neural Interface*. 11(4): 272-276, 2008.
12. Parrett BM, Pribaz JJ, Matros E, Przylecki W, Sampson CE, Orgil D. Risk Analysis for the Reverse Sural Fasciocutaneous Flap in Distal Leg Reconstruction, *Plast Reconstr Surg*. 2009; 123(5):1499-504.
13. Hartzell T, Makhni E, Sampson CE. Long Term Results of Periarterial Sympathectomy. *Journal of Hand Surgery*. 2009 Oct; 34(8): 1454-60.
14. Sampson CE. Impaired Vascularity. In: *Decision Making in Plastic Surgery*. St. Louis: Quality Medical Publishing, Inc. 2010:226-227.
15. Pomahac B, Pribaz J, Eriksson E, Annino D, Caterson S, Sampson CE, Chun Y, Orgill D, Nowinski D, Tullius SG. Restoration of facial form and function after severe disfigurement from burn injury by a composite facial allograft. *Am J Transplant*. 2011 Feb; 11(2):386-93. PMID: 21214855
16. Bohdan Pomahac, Julian Pribaz J, Eriksson E, Bueno EM, Diaz-Siso JR, Rybicki FJ, Annino DJ, Orgill D, Caterson EJ, Caterson SA, Carty MJ, Chun YS, Sampson CE, Janis JE, Tullius SG. Full Facial Transplantation for the Restoration of Severe Facial Defects: Early Report on Three Cases. *Target journal: The Lancet*.
17. Pomahac, B., Pribaz, J., Eriksson, E., Bueno, E.M., Diaz-Siso, J.R., Rybicki, F.J., Annino, D.J., Orgill, D., Caterson, E.J., Caterson, S.A., Carty, M.J., Chun, Y.S., Sampson, C.E., Janis, J.E., Alam, D.S., Saavedra, A., Molnar, J.A., Edrich, T.,

Marty, F.M. and S.G. Tullius. Three Patients with Full Facial Transplantation. New England Journal of Medicine. Dec. 2011.

Book Chapters:

1. Advances in Vascular Surgery, v.6, 1998: "Current Management of the Ischemic Hand"
2. Weinzweig & Weinzweig; "Replantation and Revascularization in Children in the Mutilated Hand." Sampson CE, Pribaz JJ. 2005.

Abstracts:

1. Sampson CE, Pribaz JJ. Antero-Lateral Thigh Flap - A Three Year Experience. Plastic Surgery Senior Residents Meeting (Scientific Session), May 1993
2. Chichester CO, Sampson CE, Burbelo P, Kagan HM. Enzyme-Linked Immunoassay for the Detection of Lysyl-Oxidase. Federation of the American Society for Experimental Biology. 1982.
3. Sampson CE, Breuing KH, Orgill DP. Radial artery conduit in coronary artery bypass surgery. ASPS, Orlando, FL, October, 2001