

*Curriculum Vitae*

**Date Prepared:** January 4, 2010

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**Place of Birth:** Jacksonville, FL

**Education:**

1984 B.A. ( <i>magna cum laude</i> )	Political Science, Pre-Medicine	Duke University
1988 M.D.	Medicine	Duke University

**Postdoctoral Training:**

*Internship and Residencies:*

1988 – 1989 General Surgery Intern, Deaconess/Harvard Surgical Service  
1989 – 1995 General Surgery Resident, Deaconess/Harvard Surgical Service  
1995 – 1997 Vascular Surgery Fellow, University of Michigan Medical Center

*Research Fellowships:*

1986 – 1987 Combined Program in Pediatric Gastroenterology and Nutrition,  
Massachusetts General Hospital and Children's Hospital, Harvard Medical  
School  
1991 – 1993 Vascular Surgery Research Fellowship, Deaconess Hospital, Harvard Medical  
School

1995 – 1996 Conrad Jobst Vascular Research Fellow, University of Michigan Medical Center

**Faculty Academic Appointments:**

1997 – 2002 Assistant Professor of Surgery, University of Florida College of Medicine  
2002 – 2007 Associate Professor of Surgery, University of Florida College of Medicine (Tenured)  
2007 – 2008 Professor of Surgery, University of Florida College of Medicine  
2008 – 2009 Lecturer in Surgery, Harvard Medical School  
2009 – Associate Professor of Surgery, Harvard Medical School

**Appointments at Hospitals/Affiliated Institutions:**

*Past:*

1997 – 2008 Attending Surgeon, Shands at the University of Florida, Gainesville, FL  
1997 – 2008 Staff Surgeon, Malcom Randall Department of Veterans Affairs Medical Center, Gainesville, FL

*Current:*

2008 – Associate Surgeon, Brigham and Women’s Hospital, Boston MA  
2009 – Provisional Medical Staff, Faulkner Hospital, Jamaica Plain, MA  
2009 – Provisional Staff, New England Baptist Hospital, Boston, MA

**Major Administrative Leadership Positions:**

*Local:*

1994 – 1995 Administrative Chief Resident, Deaconess/Harvard Surgical Service  
2000 – 2006 Chief, Section of Vascular Surgery, Malcom Randall Department of Veterans Affairs Medical Center, Gainesville, FL  
2000 – 2002 Director, University of Florida Surgical Resident Basic Science Course  
2003 – 2005 Director, University of Florida Surgical Resident Education Month in Vascular Surgery  
2008 – Director, Vascular Surgery Research, Brigham and Women’s Hospital, Boston, MA  
2010 – Director of Resident Research, Brigham and Women’s Hospital Department of Surgery, Boston, MA

*Regional:*

2006 – 2008 Chief, Surgical Service, North Florida/South Georgia Veterans Health System

**Committee Service:**

*Local:*

- 1997 – 2000 Malcom Randall Department of Veterans Affairs Medical Center  
Subcommittee for Animal Studies
- 1999 – 2008 Malcom Randall Department of Veterans Affairs Medical Center Operative  
and Other Invasive Procedures Committee
- 1999 – 2002 Chairman
- 2000 – 2004 Malcom Randall VA Medical Center Research and Development Committee  
2004 Vice-Chairman
- 2001 – 2008 Malcom Randall VA Medical Center Operating Room
- 2006 – 2007 Chairman
- 2005 University of Florida Chief of Thoracic and Cardiovascular Surgery Search  
Committee
- 2005 – 2008 University of Florida Department of Surgery Research Advisory Committee
- 2009 – Harvard Catalyst Participant and Clinical Interactions Resource (PCIR)  
Scientific and Resources Review Committee
- 2009 – Brigham and Women’s Hospital Department of Surgery Research Committee
- 2009 – Brigham and Women’s Hospital Biomedical Research Institute  
Cardiovascular, Diabetes, and Metabolic Disorders Working Group
- 2009 – Brigham and Women’s Hospital Department of Surgery Fellowship and  
Early Specialization Committee

*Regional:*

- 2003 North Florida/South Georgia Veteran Health System Specialty Care Council
- 2006 Chairman, North Florida/South Georgia Veteran Health System  
Anesthesiology Chief Search Committee
- 2006 – 2007 North Florida/South Georgia Veterans Health System Infection Control  
Committee
- 2006 – 2007 Chairman, North Florida/South Georgia Veterans Health System Medical  
Instrumentation and Supply Service/Orthopedics/Nursing Collaborative
- 2006 – 2008 North Florida/South Georgia Veterans Health System Professional Council
- 2006 – 2008 North Florida/South Georgia Veterans Health System Medical Executive  
Council
- 2006 – 2008 North Florida/South Georgia Veterans Health System Advanced Clinic  
Access Steering Committee
- 2006 – 2008 North Florida/South Georgia Veterans Health System Administrative  
Executive Council
- 2006 – 2008 North Florida/South Georgia Veterans Health System Cancer Committee
- 2007 – 2008 North Florida/South Georgia Veterans Health System Transfusion  
Committee

*National:*

- 2001 – 2006 Examination Consultant, American Board of Surgery

- 2003 – 2006 Lifeline Foundation Research and Education Committee
- 2005 – 2008 Department of Veterans Affairs Vascular Surgery Field Advisory Committee

**Professional Societies:**

- 1994 – North American Vascular Biology Organization (Charter Member)
- 1996 – 2009 Association for Academic Surgery
- 1997 – Woodward Society
- 1998 – 2009 Association for Veteran’s Administration Surgeons
  - 2001 Awards Committee
  - 2006 – 2008 Council of Chiefs
- 1998 – Fellow, American Heart Association Council on Cardio-Thoracic and Vascular Surgery
  - 2006 – 2006 Membership Committee
- 2000 – Fellow, American College of Surgeons
  - 2005 – 2011 Committee for the Forum on Fundamental Surgical Problems
  - 2008 – 2011 Advisory Council for Vascular Surgery
- 2001 – Southern Association for Vascular Surgery
  - 2002 - 2005 Membership Committee
  - 2004 – 2005 Chairman, Membership Committee
  - 2005 - 2008 Councilor-at-Large
- 2001 – 2009 Florida Vascular Society
- 2000 – Society of University Surgeons
- 2002 – Wylie Vascular Surgery Society
- 2002 – Society for Vascular Surgery
  - 2004 – Distinguished Fellow
  - 2009 – 2012 Research Council
- 2004 – Frederick A. Collier Surgical Society
- 2005 – Woodward Society
- 2005 – 2008 Association of Chairs in Vascular Surgery
- 2005 – Surgery Biology Club I
- 2008 – Society of Clinical Surgery
- 2008 – American Surgical Association

**Grant Review Activities:**

- 2003 – 2005 Permanent Member, American Heart Association Southern and Ohio Valley Research Consortium Peer Review Committee
- 2004 – 2005 Permanent Member, Department of Veterans Affairs Surgery B Merit Review Study Section
- 2005 – 2008 Permanent Member, Department of Veterans Affairs Surgery Merit Review Study Section
  - 2007 – 2008 Chairman
- 2005 Ad hoc Member, Vascular Cell and Molecular Biology Study Section,

	National Institutes of Health
2005, 2006	Ad hoc Member, Program Project Review, National Heart, Lung and Blood Institute, National Institutes of Health
2008 –	Ad hoc Member, K99/00 Pathway to Independence Award, National Heart, Lung and Blood Institute, National Institutes of Health
2009	Ad hoc Member, Research Demonstration and Dissemination Projects Special Emphasis Panel, National Heart, Lung and Blood Institute, National Institutes of Health
2009	Ad hoc Member, Special Emphasis Panel ZRG1 VH-D 58 R, RFA OD-09-003 Challenge Grants Panel 20, National Heart, Lung and Blood Institute, National Institutes of Health

### Editorial Activities:

<i>Ad hoc Reviewer:</i>	
1999, 2004, 2006	<i>Surgery</i>
2001 –	<i>Journal of Vascular Surgery</i> (Distinguished Reviewer—performed at least seven reviews during the year and consistently performed high-quality and timely reviews—2003, 2004, 2006, 2007)
2002, 2004	<i>American Journal of Physiology</i>
2003, 2005,	<i>Circulation</i>
2007 – 2009	
2003, 2006, 2007	<i>Journal of the American College of Surgeons</i>
2005	<i>Trends in Cardiovascular Medicine</i>
2005	<i>Journal of Surgical Research</i>
2005	<i>Current Medicinal Chemistry-Cardiovascular and Hematological Agents</i>
2005	<i>American Journal of Pathology</i>
2005, 2006, 2009	<i>Atherosclerosis, Thrombosis, and Vascular Biology</i>
2006, 2008	<i>Journal of Leukocyte Biology</i>
2006, 2008, 2009	<i>American Journal of Surgery</i>
2007, 2008	<i>World Journal of Surgery</i>
2007	<i>Annals of Vascular Surgery</i>
2007	<i>Matrix Biology</i>
2007	<i>Vascular Journal</i>
2007	<i>Cellular Immunology</i>
2009	<i>Vascular Medicine</i>
2009	<i>Circulation: Cardiovascular Interventions</i>
2010	<i>Circulation: Cardiovascular Imaging</i>
 <i>Other Editorial Roles:</i>	
2007	Associate Editor, <i>Yearbook of Vascular Surgery</i>

### Honors and Prizes:

1980 – 1982	William Randolph Hearst Scholar
1982	Early Identification Program, Duke University School of Medicine
1982 – 1986	Harry S. Truman Scholar
1983	Duke University President's Honor Council
1986 – 1987	American Gastroenterological Society Research Fellowship, Combined Program in Pediatric Gastroenterology and Nutrition, Massachusetts General Hospital and Children's Hospital
1988	Student Research Award, First Runner Up, American Gastroenterological Society
1992	Resident Prize Paper, Massachusetts Chapter, American College of Surgeons
1993	The William J. von Liebig Foundation Award for Vascular Surgical Research
2000	Lester R. Dragstedt Physician-Scientist Award
2000 – 2005	The William J. von Liebig Award (jointly sponsored by the National Heart, Lung and Blood Institute and the Lifeline Foundation and made possible through a grant from The William J. von Liebig Foundation)
2001	Lifeline Foundation E.J. Wylie Traveling Fellowship
2004	Lester R. Dragstedt Physician-Scientist Award
2004	University of Florida Anderson Scholar Faculty Honoree

### **Report of Funded and Unfunded Projects**

#### *Past*

1992 - 1993	Principle Investigator	National Institutes of Health, F32 HL09730-01	\$31,200
Infection Resistant Prosthetic Vascular Graft			
This study investigated quinolone antibiotics and textile dyeing approaches to create an infection resistant prosthetic vascular graft.			
1998 - 2000	Principle Investigator	Gore Grant Program, W.L. Gore & Associates, Inc.	\$22,023
Radiation Therapy for Improved Dialysis Access Patency			
Investigator initiated clinical research project to test the safety and feasibility of early post operative external beam radiation therapy to improve prosthetic dialysis access graft patency.			
1998 - 1999	Principle	Howard	\$20,000

	Investigator	Hughes Medical Institute Research Resources Program Grant	
Selectin Dependent Mechanisms of the Arterial Response to Injury			
The major goal of this research was to understand the role of the selectins (and the glycosyltransferases that make selectin ligands) in the arterial response to injury.			
1998 - 1999	Principle Investigator	University of Florida College Investment Fund	\$20,000
Selectin Dependent Mechanisms of the Arterial Response to Injury			
The major goal of this research was to understand the role of the selectins (and the glycosyltransferases that make selectin ligands) in the arterial response to injury.			
1999 - 2002	Principle Investigator	VA Merit Review Entry Program	\$148,300
Selectin Dependent Mechanisms of the Arterial Response to Injury			
The major goal of this research was to understand the role of the selectins (and the glycosyltransferases that make selectin ligands) in the arterial response to injury.			
1998 - 2004	Sub- Investigator for Malcom Randall VA Medical Center (PI Staples)	VA Cooperative Studies Program, VA CSP #411	
Coronary Artery Revascularization Prophylaxis Trial (CARP)			
Clinical trial to investigate the role of coronary revascularization prior to elective peripheral vascular surgery.			
1998 - 2008	Mentor for John E. Rectenwald, M.D. and Elizabeth J.	National Institutes of Health, 1T32 GM08721-01	

	Bray, M.D. (PI Moldawer)		
Molecular Biology and Gene-Therapy in Burns and Trauma			
Training grant on which I served as a research faculty mentor for residents as they acquired basic investigative techniques while exploring the acute biologic responses to trauma.			

1999 - 2000	Principle Investigator	Whitaker Foundation/University of Florida Biomedical Engineering Program	\$14,923
Mechanisms of Altered Leukocyte Rheology in Diabetes			
Collaborative (with aerospace engineering) basic biology experiments to understand the impact of diabetes on the mechanical properties of the leukocyte wall.			

1999 - 2000	Principle Investigator	Howard Hughes Medical Institute Research Resources Program Core Facility User Grant	\$2,000
Inflammatory Mechanisms of Neointimal Hyperplasia			
Series of largely in vivo experiments to delineate inflammatory signaling mechanisms in low flow induced neointimal hyperplasia.			

2000 – 2005	Principle Investigator	National Institutes of Health 1 K08 HL04070-01A1, Lifeline Foundation, The William J. von Liebig Foundation	\$991,950
Inflammatory Mechanisms of Neointimal Hyperplasia			
Series of largely in vivo experiments to delineate inflammatory signaling mechanisms			

in low flow induced neointimal hyperplasia.

1999 - 2005	National Executive Steering Committee member, Principle Investigator for Malcom Randall VA Medical Center	VA Cooperative Studies Program, VA CSP #410	~\$500,000
The Iron (Fe) and Atherosclerosis Study (FeAST)			
Longitudinal interventional (phlebotomy versus control) study to investigate relationships between total body iron stores and cardiovascular diseases.			

2000 – 2002	Mentor for Elizabeth J. Bray, M.D. (PI Limacher)	National Institutes of Health K30 HL04109, Advanced Postgraduate Program in Clinical Investigation	
Genetic Approaches to Understanding and Treating Vascular Disease			
Structured training program for clinician researchers; I served as an active faculty member and a research mentor for a designated trainee.			

2001 – 2001	Mentor for Fernando G. Vieira	Lifeline Foundation	
Serine Elastases and Low Shear Stress Induced Neointimal Hyperplasia			
Competitive small summer research project that examined the role of elastases in flow induced neointimal hyperplasia.			

2002 – 2002	Mentor for	Lifeline	
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	Brett L. Miller	Foundation	
Evaluation of TNF- $\alpha$ in Vein Graft Failure			
Competitive summer research exposure for selected student who completed pilot studies into TNF- $\alpha$ signaling in the early vein graft.			

2003 – 2003	Mentor for Brett L. Miller	University Scholars Program	
Evaluation of TNF- $\alpha$ in Vein Graft Failure			
Competitive summer research exposure for selected student who completed pilot studies into TNF- $\alpha$ signaling in the early vein graft.			

2002 – 2004	Investigator for Malcom Randall VA Medical Center (PI Berceli)	Corgentech, Inc.	
A Phase III Multi-Center Randomized, Double-Blind Placebo-Controlled Trial of the Undergoing Peripheral Arterial Bypass Graft Procedures			
Multi-center peripheral vein bypass clinical trial that tested a transcription factor decoy as a therapeutic agent to prolong vein graft survival.			

2002 – 2004	Investigator for Malcom Randall VA Medical Center (PI Berceli)	Pfizer, Inc.	
A Double-Blind Placebo-Controlled Parallel Group Study of the Effects of Zoniporide on Perioperative Cardiac Events in High Risk Subjects Undergoing Noncardiac Vascular Surgery			

Study of a cardio-protective agent to lower peri-operative cardiac events in vascular surgery patients.

2002 – 2006	Principle Investigator for Malcom Randall VA Medical Center	Sanofi-Synthelabo and Bristol-Myers Squibb	~\$59,894
Clopidogrel for High Atherothrombotic Risk and Ischemic Stabilization, Management and Avoidance (CHARISMA)			
International trial to determine if broad use of clopidogrel in patients with atherosclerosis would lower cardiovascular event rates.			

2002 – 2008	Investigator for Malcom Randall VA Medical Center (PI Berceci)	VA Cooperative Studies Program, VA CSP #498	
Open vs Endovascular Aneurysm Repair (OVER)			
Randomized clinical trial comparing open versus endovascular aneurysm repair.			

2003 – 2003	Mentor for Ankur Shukla	Lifeline Foundation	
A Study of Matrix Metalloproteinase in Relation to Shear Stress and Wall Tension			
Basic biochemical and molecular studies of blood vessels after hemodynamic perturbations.			

2004 – 2004	Mentor for Ankur Shukla	University Scholars Program	
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A Study of Matrix Metalloproteinase in Relation to Shear Stress and Wall Tension			
Basic biochemical and molecular studies of blood vessels after hemodynamic perturbations.			

2004 – 2004	Mentor for Derek R. Espino	University Scholars Program	
The Effect of IL-10 on Vein Graft Intimal Hyperplasia			
Investigations into the biology of the anti-inflammatory cytokine IL-10 in the early vein graft.			

2005 – 2005	Mentor for Derek R. Espino	Lifeline Foundation	
The Effect of IL-10 on Vein Graft Intimal Hyperplasia			
Investigations into the biology of the anti-inflammatory cytokine IL-10 in the early vein graft.			

2005 – 2005	Mentor for Jennifer Zingarelli	Lifeline Foundation	
Drug Delivery into the Vein Graft Wall			
Competitive summer project to define physical parameters that optimize delivery of genetic material into the vein graft wall.			

2005 – 2005	Mentor for Brett L. Miller	American Heart Association Research Fellowship, Medical Science Research Program	
Monocyte CCR2 Mediated Mechanisms of Vein Graft Failure			
Examination of monocyte homing and its role in vein graft neointimal hyperplasia.			

2006 – 2006	Mentor for Ankur Shukla	National Institutes of	
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		Health T35 HL07489, Medical Science Research Program	
Analyses of Murine Vein Graft Microarrays			
Post-acquisition dataset processing work to generate new knowledge regarding the complex events associated with vein graft remodeling.			
2006 – 2007	Component Project Principle Investigator	University of Florida Research Opportunity Incentive Seed Fund	\$85,110
Multi-scale Modeling of Physical and Biologic Interplay in Vein Graft Failure			
Collaborative research effort between biologic and engineering sciences toward describing the relative and interdependent roles of physical and biologic factors in determining vein graft morphology.			
2006 – 2008	Clinical Center Investigator (10% effort) (PI Pepine)	National Institutes of Health U01HL087366- 01	
Cardiovascular Cell Therapy Research Network			
Large-scale clinical project aimed at utilizing cell therapies to treat cardiovascular diseases.			
2007 – 2007	Mentor for Danlu Wang	University Scholars Program	
Microscopic Characteristics of the Failing Human Vein Graft			
Histological study of human tissue samples to define mechanisms of human vein graft adaptations and failure.			
2007 – 2008	Recruitment and Review Committee,	National Institutes of Health, 1T32	

	Mentor (PI Baylis)	HL083810-01A1	
Multidisciplinary Training Program in Hypertension			
Active faculty member on this large training program that broadly studied human cardiovascular diseases.			

***Current***

2005 – 2011	Principle Investigator	National Institutes of Health, 1R01HL079135	\$1,125,000
Cytokine Driven Mechanisms of Vein Graft Failure			
Project to understand the dynamics of cytokine biology in the early vein graft, combined with efforts to alter these processes pharmacologically in an effort to enhance vein graft durability.			

2009 – 2011	Principle Investigator	National Institutes of Health, 1R01HL079135-06S1	\$163,975
Cytokine Driven Mechanisms of Vein Graft Failure—Administrative Supplement			
This supplemental award adds complex biomedical engineering analyses to the parent project's experiments.			

2008 – 2014	Faculty (PI LoGerfo)	National Institutes of Health, 5T32HL007734-16	\$448,355 annual
Harvard-Longwood Research Training in Vascular Surgery			
Central faculty for this long-standing post-doctoral training program that connects multiple Harvard vascular researchers.			

2009 – 2010	Investigator (5% effort) (PI)	Donald W. Reynolds	
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	Libby)	Foundation	
Atherosclerosis: Prediction, Prevention, and Practice. The Donald W. Reynolds Foundation Clinical Cardiovascular Research Center at the Harvard Medical School			
The Donald W. Reynolds Foundation aims to improve Americans' health through the support of medical research. Strategically, the Foundations focuses on Center projects offering the greatest promise for clinical impact within a reasonable period of time in atherosclerosis and associated inflammation, heart failure and sudden death. In 2003 a Reynolds Center was established at the Brigham and Women's Hospital (24 million dollar grant). This grant broadly supports efforts to develop new risk measures for physicians to use in assessing atherosclerotic heart disease. Relevant component for Dr. Ozaki applies advances in molecular imaging to the diagnosis and treatment of atherosclerosis.			

### **Report of Local Teaching and Training**

#### **Teaching of Students in Courses:**

Teaching Prior to Current Harvard Appointment:

- 1998 – 2004 Lecturer, Medical Student Surgical Lecture Series, University of Florida College of Medicine (Gainesville, FL). “Carotid Artery Disease as a Model for Surgical Decision Making” Every two months; approximately twenty medical students; average one hour preparation/contact time per month.
- 2004 – 2006 Lecturer, University of Florida Biomedical Engineering (Gainesville, FL) graduate course 5002 (February 19, 2004; February 7, 2005; February 16, 2006). “Challenges in Vascular Surgery”; approximately twelve graduate students; four hours preparation/contact time per session

Teaching During Current Harvard Appointment:

- 2009 Lecture, Department of Biomedical Engineering Worcester Polytechnic Institute, (Worcester, MA) undergraduate course BME3504 Experimental Biomechanics (December 7, 2009). “Abdominal Aortic Aneurysms: Diagnosis and Contemporary Management”; twenty-seven undergraduate students; five hours preparation/contact time.

#### **Formal Teaching of Residents, Clinical Fellows and Research Fellows**

Teaching Prior to Current Harvard Appointment

- 1998 Attending, University of Florida College of Medicine (Gainesville, FL) Department of Surgery Intern Conference (October 24, 1998) “Arterial Disease”; approximately twenty medical students and residents; two hours preparation/contact time
- 1998 Attending, University of Florida College of Medicine (Gainesville, FL) Department of Surgery Intern Conference (October 31, 1998) “Venous Disease”; approximately twenty medical students and residents; two hours

- preparation/contact time
- 1999 Attending, University of Florida College of Medicine (Gainesville, FL)  
Department of Surgery Basic Science Conference (October 21, 1999) “Acute Renal Failure”; approximately fifty medical students, residents, and postdoctoral fellows; two hours preparation/contact time
- 1999 Attending, University of Florida College of Medicine (Gainesville, FL)  
Department of Surgery Journal Club (September 28, 1999) “Carotid Artery Endarterectomy Trials”; approximately fifty medical students, residents, and postdoctoral fellows; two hours preparation/contact time
- 2002 Lecturer University of Florida College of Medicine (Gainesville, FL)  
Department of Surgery Basic Science Conference (March 28, 2002) “Evidence Based Surgery and Carotid Disease”; approximately fifty medical students, residents, and postdoctoral fellows; two hours preparation/contact time
- 2003 Lecturer, University of Florida College of Medicine (Gainesville, FL)  
Department of Surgery Basic Science Conference (February 2003) “PVOD”; approximately fifty medical students, residents, and postdoctoral fellows; two hours preparation/contact time
- 2004 Lecturer, University of Florida College of Medicine (Gainesville, FL)  
Department of Surgery Basic Science Conference (March 4, 2004) “PVOD”; approximately fifty medical students, residents, and postdoctoral fellows; two hours preparation/contact time
- 2004 Lecturer, University of Florida College of Medicine (Gainesville, FL)  
Department of Surgery Basic Science Conference (March 11, 2004) “Evidence Based Decision Making in Vascular Surgery”; approximately fifty medical students, residents, and postdoctoral fellows; two hours preparation/contact time
- 2004 Lecturer, University of Florida College of Medicine (Gainesville, FL)  
Department of Surgery Core (September 8, 2004) “CVOD--Evidence Based Vascular Surgery”; approximately fifty medical students, residents, and postdoctoral fellows; two hours preparation/contact time
- 2005 Lecturer, University of Florida College of Medicine (Gainesville, FL)  
Department of Surgery Core (September 7, 2005) “Evidence Based Vascular Surgery”; approximately fifty medical students, residents, and postdoctoral fellows; two hours preparation/contact time

Teaching During Current Harvard Appointment

- 2008 – Lecturer, Brigham and Women’s Hospital Department of Surgery Vascular Resident Case Conference (every Monday excepting Holidays); approximately six medical students, residents, and clinical fellows; one hour preparation/contact time per week
- 2008 Lecturer and “Hands On” STRATUS (Simulation, Training, Research and Technology Utilization System) Course Instructor (October 7, 2008), Brigham and Women’s Hospital Department of Surgery “Anastomotic Workshop”; ten surgical residents; three hours preparation/contact time
- 2009 Lecturer, Brigham and Women’s Hospital Department of Surgery Resident

- Core Curriculum Conference (April 29, 2009) “Contemporary Management of Peripheral Vascular Occlusive Disease”; ten surgical residents; three hours preparation/contact time
- 2009 Lecturer, Brigham and Women’s Hospital Department of Surgery Research Conference (September 23, 2009) “How to Write a Fundable Research Grant”; twelve surgical residents and research fellows; five hours preparation/contact time
- 2009 Lecturer, Brigham and Women’s Hospital Department of Surgery General Surgery Core Curriculum (November 25, 2009) “Acute Mesenteric Ischemia”; twenty-five surgical residents; six hours preparation/contact time
- 2009 Lecturer and “Hands On” STRATUS (Simulation, Training, Research and Technology Utilization System) Course Instructor (December 16, 2009), Brigham and Women’s Hospital Department of Surgery “Anastomotic Workshop”; ten surgical residents; three hours preparation/contact time

**Clinical Supervisory and Training Responsibilities**

Clinical Supervision and Training Prior to Current Harvard Appointment

1997 – 2008 University of Florida College of Medicine (Gainesville, FL) Department of Surgery attending supervision in operating room, outpatient clinics, and daily bedside inpatient rounds, Shands at the University of Florida and the Malcom Randall VA Medical Center; one to six medical students, residents, and clinical fellows; approximately twenty hours of contact time per week

Clinical Supervision and Training During Current Harvard Appointment

2008 – Attending supervision in operating room, outpatient clinics, and bedside inpatient rounds, Brigham and Women’s Hospital; one to six medical students, residents, and clinical fellows; approximately twenty hours of contact time per week

**Laboratory and Other Research Supervisory and Training Responsibilities**

Supervision and Training Prior to Current Harvard Appointment

1998 – 2008 University of Florida College of Medicine (Gainesville, FL) Department of Surgery, active research supervision and training of multiple undergraduate students, graduate students, medical students, and postdoctoral fellows; one to five trainees; at least every other day mentorship

Supervision and Training During Current Harvard Appointment

2009 – Brigham and Women’s Hospital Department of Surgery, active research supervision and training of postdoctoral fellow; one trainee; at least every other day mentorship

**Formally Supervised Trainees**

Years	Name and Degrees	Accomplishments; Current Position
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1998 – 2000	Amy Darrow, M.D.	Undergraduate student who contributed to four presentations and three papers; Faculty, University of Cincinnati College of Medicine
1998 – 2000	John Rectenwald, M.D.	Post-Doctoral Fellow who contributed to twelve presentations (several student award winners) and six papers; Faculty, University of Michigan College of Medicine
2000 – 2005	Ankur Shukla, B.S.	Started as high school student in lab, continued to work through undergraduate then medical school; contributed to one paper and three presentations; Vascular Surgery Resident, University of Pittsburgh Medical Center
1999 – 2003	Adam Feinberg Ph.D.	Engineering masters then PhD student; holds recent <i>Science</i> paper; Fellow, Harvard School of Engineering and Applied Sciences
2001 – 2004	Brett Miller, M.D,	Research trainee as undergraduate then during medical school; contributed to three presentations and two papers; Residency, Johns Hopkins School of Medicine
2001 – 2005	Zhihua Jiang, M.D., Ph.D.	Initially worked as post-doctoral fellow from China, then supported and mentored to full time position (AHA and State of Florida funded); twenty one presentations, ten papers, one book chapter; Faculty, University of Florida College of Medicine
2002 – 2008	Scott A. Berceci, M.D., Ph.D.	Supervised junior faculty (clinical and research) mentored to NIH funded independent investigatorship; Faculty, University of Florida College of Medicine
2005 – 2008	Peter R. Nelson, M.D.	Supervised junior faculty (clinical and research) mentored to NIH funded investigatorship; Faculty, University of Florida College of Medicine
2009 –	Peng Yu, M.D., Ph.D.	Active post-doctoral fellow trainee
2009 –	Binh T. Nguyen	Active post-doctoral fellow trainee

### Formal Teaching of Peers

- 2002            Single presentation, University of Florida CME Course *Caring for the Older Adult II*. “Carotid Artery Stenosis”  
<http://medinfo.ufl.edu/%7Ecoa2/pt2tk1/pt2tk1.html>.
- 2009            Single presentation, Harvard Postgraduate Course in Vascular Surgery (Boston, MA). “Techniques for Tibial Artery Exposure and Bypass”. May 9, 2009.

### Local Invited Presentations

- 1997            Lecturer, University of Florida Department of Surgery Grand Rounds (October 29, 1997). “Endovascular Therapy for Abdominal Aortic Aneurysms”
- 1998            Lecturer, University of Florida Department of Surgery Grand Rounds (July

- 1, 1998). “Carotid Artery Disease”
- 1998 Lecturer, University of Florida Cardiology Research Conference (September 14, 1998) “Neointimal Hyperplasia and Inflammation”
- 1999 Lecturer, University of Florida Department of Surgery Grand Rounds (February 24, 1999) “Renovascular Hypertension”
- 1999 Lecturer, University of Florida Pulmonary Medicine Research Conference (May 21, 1999) “Mechanisms of Neointimal Hyperplasia”
- 1999 Lecturer, University of Florida Department of Surgery Grand Rounds (September 21, 1999) “Abdominal Aortic Aneurysms and Concomitant Diseases”
- 1999 Lecturer, University of Florida Department of Surgery Grand Rounds September 29, 1999 “Inflammatory Mechanisms of Neointimal Hyperplasia”;
- 2000 Lecturer, University of Florida Department of Medicine Conference (January 26, 2000) “Peripheral Vascular Occlusive Disease”
- 2000 Lecturer, University of Florida Radiology Conference (January 27, 2000) “Cytokines and Neointimal Hyperplasia”
- 2000 Lecturer, University of Florida Department of Surgery Grand Rounds (October 25, 2000) “Glycoconjugate Mediated Cell Adhesion”
- 2000 Lecturer, University of Florida Department of Surgery Grand Rounds (November 29, 2000) “Genetic Approaches to Understanding and Treating Vascular Disease”
- 2001 Lecturer, University of Florida Renal Research Conference (November, 2001) “Inflammatory Mechanisms of Neointimal Hyperplasia and Arterial Remodeling”
- 2002 Lecturer, University of Florida Medical Morbidity and Mortality Conference (May 20, 2002) “Abdominal Aortic Aneurysms—The Cliff Notes”
- 2007 Lecturer, University of Florida Cardiology Grand Rounds (November 15, 2007) “Contemporary Management of PVOD”
- 2007 Lecturer, University of Florida Department of Surgery Grand Rounds (June 20, 2007) “Update on the VA”
- 2009 Lecturer, Brigham and Women’s Hospital Department of Surgery Grand Rounds (January 7, 2009) “Early Steps Toward Visualizing Vascular Biology *In Vivo*—A Grant’s First Page”
- 2009 Lecturer, Brigham and Women’s Hospital Biomedical Research Institute Cardiovascular, Diabetes, and Metabolic Disorders Research Center Weekly Seminar Series (March 11, 2009) “Contemporary Challenges in Understanding Vein Graft Failure”
- 2009 Lecturer, Massachusetts Institute of Technology, 2.75 Biomedical Devices Design Laboratory Graduate Student Course (September 14, 2009) “Pectoral Based Wheel Chair Locomotion”

## **Report of Regional, National and International Invited Teaching and Presentations**

### *Regional Contributions*

- 1998 Invited Lecture, Halsted Society (Jacksonville, FL). “Arterial Injury”. September 17, 1998.
- 2008 Invited Lecture, BioSurfaces, Inc. (Ashland, MA). “Vascular Research Update”. December 16, 2008.
- 2009 Invited Lecture, Department of Biomedical Engineering and Department of Biology & Biotechnology, Worcester Polytechnic Institute (Worcester, MA). “Contemporary Challenges in Understanding Vein Graft Failure”. February 3, 2009.
- 2009 Invited Lecture, Mount Auburn Hospital Surgical Grand Rounds (Cambridge, MA). “Enhancing Vein Graft Revascularizations”. September 22, 2009.
- 2010 Invited Lecture, West Roxbury VA Medical Center Surgical Grand Rounds (West Roxbury, MA). January 15, 2010.

*National Contributions*

- 1997 Invited Lecture, University of Washington Clowes Group Research Meeting (Seattle, Washington). “Vascular Surgery Research Summary”. August 21, 2001.
- 2001 Invited Lecture, Harvard Institute of Medicine (Boston, MA). “Inflammatory Mechanisms of Neointimal Hyperplasia”. September 24, 2001.
- 2000 Invited Harvard-Longwood Visiting Professor in Vascular Surgery Research, Harvard Medical School (Boston, MA). “TNF- $\alpha$  and Vascular Wall Adaptations—Developing a Concept”. April 30 – May 1, 2002.
- 2001 Invited Lecture, Frederick A. Collier Surgical Society (Sea Island, GA). “TNF- $\alpha$  and Vascular Wall Adaptations—Developing a Concept”. October 19, 2002.
- 2005 Invited Lecture, Regeneron Pharmaceuticals, Inc. (Tarrytown, NY). “IL-1 Signaling in the Blood Vessel Wall”. January 25, 2005.
- 2005 Invited Presentation and Expert Panel Participant, Regeneron Pharmaceuticals, Inc. (New York, NY). “Cytokines and Vascular Disease”. March 3-4, 2006.
- 2006 Invited Lecture. Flying Physicians Association (Gainesville, FL). Contemporary Management of Peripheral Vascular Occlusive Disease. March 31, 2007.
- 2007 Invited Presentation, Surgery Biology Club 2007 (New Orleans, LA). “Cytokines and the Early Vein Graft—Strategies to Enhance Durability”. October 7, 2007.
- 2007 Invited Lecture, Department of Veterans Affairs Ambulatory Care Forum 2007 (San Juan, Puerto Rico). “Abdominal Aortic Aneurysms—Screening, Diagnosis, and Management”. October 30, 2007.
- 2008 Invited Lecture, Department of Veterans Affairs Tri-VISN Surgical Flow Collaborative (St. Petersburg, FL). “Enhancements in Surgical Throughput—the North Florida/South Georgia Veterans Health System Experience”. January 9, 2008.

- 2008 Invited Lecture, Association of VA Surgeons Research Symposium (Dallas, TX). “How to Write Specific Aims/Hypothesis and Key Questions”. May 4, 2008.
- 2008 Invited Lecture, Department of Veterans Affairs VISN 23 Surgical Service Line Meeting (Minneapolis, MN). “Observations and Outcomes in VA Surgical Care Throughput Optimization”. August 14, 2008.
- 2008 Invited Lecture, Department of Veterans Affairs Tri-VISN Surgical Flow Collaborative (Boston, MA). “The Gainesville Experience in Surgical Flow—Practical Applications for Enhancing Surgical Throughput in the VA”. October 1, 2008.
- 2008 Invited Lecture, Association for Academic Surgery Career Development Course (San Francisco, CA). “The First Page—Setting the Stage”. October 10, 2008.
- 2009 Invited Lecture, Department of Veterans Affairs VISN 6 Surgical Flow Collaborative (Winston Salem, NC). “Smoothing OR Flow”. January 8, 2009.

*International Contributions*

- 2001 Invited Visiting Professor, University of Freiburg Division of Cardiology Visiting Professor (Freiburg, Germany). “Inflammatory Mechanisms of Neointimal Hyperplasia”. February 14 – 20, 2001.
- 2002 Invited Visiting Professor, Karolinska Institute Division of Vascular Surgery (Stockholm, Sweden). “TNF- $\alpha$  and Vascular Wall Adaptations”. August 26-27, 2002.
- 2002 Invited Lecture, University of Freiburg (Freiburg, Germany) Guest Lecturer (hosted by Perfusion Technologies, Inc.). “2002 Vascular Research Update”. August 29, 2002.
- 2006 Invited Opponent (day long interactive oral examination of doctoral candidate before doctoral committee and audience), Karolinska Institute Department of Research and Postgraduate Education (Stockholm, Sweden) Opponent for Ulrika Palmer-Kazen. February 24, 2006.

**Report of Clinical Activities and Innovations**

**Current Licensure and Certification:**

- 1991 Massachusetts Medical License (expires November 25, 2009)
- 1997 Florida Medical License (expires January 31, 2010)
- 1998 Certified, General Vascular Surgery, American Board of Surgery (re-certified through 2018)

**Practice Activities:**

- Vascular Surgery Brigham and Women’s Hospital (inpatient wards, operating rooms, outpatient clinics); at least one day per week outpatient clinic, at least one day per week operating room, primary call 20% of the time

## Report of Technological and Other Scientific Innovations

### *FDA Investigational Device Exemption:*

Radiation Therapy for Improved Dialysis Access Patency

IDE Number G000225, September 26, 2000; Principal Investigator.

This exemption allowed an early clinical trial that evaluated the safety and feasibility of external beam radiation therapy as a strategy to improve dialysis access patency. Ongoing research by others builds on this knowledge in attempts to safely prolong the durability of vascular procedures.

## Report of Education of Patients and Service to the Community

2001	Lecturer, Malcom Randal VAMC Research Day (April 16, 2001) “What’s New in Vascular Research”
2000	Judge, 45 <sup>th</sup> Annual Florida State Science and Engineering Fair
2006	Lecturer, University of Florida Pre-Med AMSA (February 15, 2006) “Reflections from an Early Career Vascular Surgeon”
2007	Judge, Columbia County Florida Science and Engineering Fair
2007	Lecturer, University of Florida H.E.A.L (Health Educated Asian Leaders) (January 25, 2007) “Careers in Vascular Surgery”
2008	Vascular Surgery Lecture, Oak Hall Academy (Gainesville, FL)

## Report of Scholarship

### **Peer-Reviewed Publications in Print or Other Media**

#### *Research Investigations*

1. Neu J, **Ozaki CK**, Angelides KJ. Glucocorticoid-mediated alteration of fluidity of brush border membrane in rat small intestine. *Pediatr Res* 1985; 20:79-82.
2. **Ozaki CK**, Hansen M, Kadir S. Transhepatic embolization of superior mesenteric varices in portal hypertension. *Surgery* 1989; 105:445-448.
3. **Ozaki CK**, Chu SW, Walker WA. Developmental changes in galactosyltransferase activity in the rat small intestine. *Biochem Biophys Acta* 1989; 991:243-247.
4. Bide M, Phaneuf M, Ozaki C, Alessi J, Quist W, LoGerfo F. Technology transfer: the use of dyeing technology in biomaterial applications. *Textile Chemists and Colorists*, 1993; 25:15-19.
5. Phaneuf MD, **Ozaki CK**, Bide MJ, Quist WC, Alessi JM, Tannenbaum G, LoGerfo FW. Application of the quinolone antibiotic ciprofloxacin to Dacron utilizing textile dyeing technology. *J Biomed Mater Res*, 1993; 27:233-237.
6. **Ozaki CK**, Phaneuf MD, Bide MJ, Quist WC, Alessi JM, LoGerfo FW. *In vivo* testing of an infection resistant vascular graft material. *J Surg Res*, 1993; 55:543-547.
7. **Ozaki CK**, Phaneuf MD, Hong, SL, Quist WC, LoGerfo FW. Glycoconjugate mediated endothelial cell adhesion to Dacron polyester film. *J Vasc Surg*, 1993; 18:486-494.

8. Phaneuf MD, **Ozaki CK**, Johnstone MT, Loza JP, LoGerfo FW. Synthesis and evaluation of a streptokinase-hirudin conjugate. *Thromb Haemost*, 1994; 71:481-487.
9. Hamdan AD, Aiello LP, Quist WC, **Ozaki CK**, Contreras MA, Phaneuf MD, Ruiz C, King GL, LoGerfo FW. Isolation of genes expressed at the downstream anastomosis of prosthetic arterial grafts using mRNA differential display. *J Vasc Surg*, 1995; 21:228-234.
10. **Ozaki CK**, Contreras MA, Sheppeck RS, Phaneuf MD, Rutter CM, Quist WC, LoGerfo FW. Platelet activation by healing ePTFE grafts. *J Biomed Mater Res*, 1995; 29:647-653.
11. Farrehi PM, **Ozaki CK**, Carmeliet P, Fay WP. Regulation of arterial thrombolysis by plasminogen activator inhibitor-1 in mice. *Circulation*, 1998; 97(10):1002-1008.
12. Sarac TP, Huber TS, Back MS, **Ozaki CK**, Carlton LM, Flynn TC, Seeger JM. Warfarin improves outcome of infrainguinal vein bypass grafts at high risk for failure. *J Vasc Surg*, 1998;28:446-457.
13. Huber TS, Wang JG, Cuddeback JK, Dame DA, **Ozaki CK**, Flynn TC, Seeger JM. Impact of race on treatment for peripheral arterial occlusive disease. *J Vasc Surg*. 1999;30(3):417-426.
14. Seeger JM, Pretus HA, Carlton LM, Flynn TC, **Ozaki CK**, Huber TS. Potential predictors of outcome in patients with tissue loss who undergo infrainguinal bypass. *J Vasc Surg*, 1999;30(3):427-435.
15. **Ozaki CK**, Irwin PB, Flynn TC, Huber TS, Seeger JM. Surgical decision making for carotid endarterectomy and contemporary magnetic resonance angiography. *Am J Surg*, 1999;178(3):182-184.
16. Huber TS, Flynn TC, **Ozaki CK**, Seeger JM. Utility of laparoscopy for identification of hepatic disease before aortic surgery. *Vascular Surgery*, 1999;33:471-479.
17. Huber TS, **Ozaki CK**, Flynn TC, Ross EA, Seeger JM. Case Report: Use of superficial femoral vein for hemodialysis arteriovenous shunt. *J Vasc Surg*, 2000;31:1038-1041.
18. Huber TS, Carlton LM, O'Hern DG, Hardt NS, **Ozaki CK**, Flynn TC, Seeger JM. Financial impact of tertiary care in an academic medical center. *Ann of Surg*, 2000 231(6):860-868.
19. Seeger JM, Pretus HA, Welborn MB, **Ozaki CK**, Flynn TC, Huber TS. Long-term outcome after treatment of aortic graft infection with staged extra-anatomic bypass and aortic graft removal. *J Vasc Surg*, 2000;32(3):451-459.
20. Rectenwald JE, Moldawer LL, Huber TS, Seeger JM, Derrow AE, Warren JA, **Ozaki CK**. Direct evidence for cytokine involvement in neointimal hyperplasia. *Circulation*, 2000;102:1697-1702.
21. Huber TS, Wang JG, Derrow AE, Dame DA, **Ozaki CK**, Zelenock GB, Flynn TC, Seeger JM. Experience in the United States with intact abdominal aneurysm repair. *J Vasc Surg*, 2001;33:304-311.
22. Derrow AE, Seeger JM, Dame DA, Carter RL, **Ozaki CK**, Flynn TC, Huber TS. The outcome in the United States after thoracoabdominal aortic aneurysm repair, renal artery bypass, and mesenteric revascularization. *J Vasc Surg*, 2001;34:54-61.
23. Rectenwald JE, Pretus HA, Seeger JM, Huber TS, Mendenhall NP, Zlotecki RA, Palta JR, Li ZF, Hook SY, Sarac TP, Welborn MB, Klingman NV, Abouhamze ZS, **Ozaki CK**. Radiation therapy for improved dialysis access patency: feasibility and early safety. *Radiation Research*. 2001;156:53-60.
24. Rectenwald JE, Minter RM, Moldawer LL, Abouhamze Z, La Face D, Hutchins E, Huber TS, Seeger JM, **Ozaki CK**. Interleukin-10 fails to modulate low shear stress induced neointimal hyperplasia. *J Surg Res*, 2002;102(2):110-118.

25. Rectenwald JE, Huber TS, Martin TD, **Ozaki CK**, Devidas M, Welborn MB, Seeger JM. Functional outcome after thoracoabdominal aortic aneurysm repair. *J Vasc Surg*, 2002;35(4):640-647.
26. Hoefler IE, van Royen N, Rectenwald JE, Bray EJ, Abouhamze Z, Moldawer LL, Vokuil M, Piek JJ, Buschmann IR, **Ozaki CK**. Direct evidence for TNF- $\alpha$  signaling in arteriogenesis. *Circulation*, 2002;105:1639-1641.
27. Jiminez JG, Huber TS, **Ozaki CK**, Flynn TC, Berceci SA, Lee WA, Seeger JM. Durability of antegrade synthetic aortomesenteric bypass for chronic mesenteric ischemia. *J Vasc Surg*, 2002;35(6):1078-1084.
28. Huber TS, **Ozaki CK**, Flynn TC, Lee WA, Berceci SA, Hirneise CM, Carlton LM, Carter JW, Ross EA, Seeger JM. Prospective Validation of an algorithm to maximize arteriovenous fistulae for dialysis access. *J Vasc Surg*, 2002;36(3):452-459.
29. Lee WA, Berceci SA, Huber TS, **Ozaki CK**, Flynn TC, Seeger JM. Morbidity of retroperitoneal procedures during endovascular AAA repair. *J Vasc Surg* 2003;38:459-465.
30. Jiang Z, Wu L, Miller BL, Goldman DR, Fernandez CM, Abouhamze ZS, **Ozaki CK**, Berceci SA. A novel vein graft model: adaptation to differential flow environments. *Am J Physiol Heart Circ Physiol*. 2004; 286(1):H240-5.
31. Berceci SA, Jiang Z, Klingman N, Pfahnl CL, Abouhamze ZS, Frase C, Schultz GS, **Ozaki CK**. Differential expression and activity of MMPs during flow-modulated vein graft remodeling. *J Vasc Surg* 2004;39:1084-1090.
32. Hoefler IE, van Royen N, Rectenwald JE, Deindl E, Hua J, Jost M, Heil M, Grundmann MV, **Ozaki CK**, Piek JJ, Buschman IR. Arteriogenesis proceeds via ICAM-1/Mac-1 mediated mechanisms. *Circ. Res* 2004;94:1179-1185.
33. Jiang Z, Berceci SA, Pfahnl CL, Wu L, Goldman DR, Tao M, Kagayama M, Matsukawa A, **Ozaki CK**. Wall shear modulation of cytokines in the early vein graft. *J Vasc Surg* 2004;40:345-350.
34. Jiang Z, Berceci SA, Pfahnl CL, Wu L, Killingsworth CD, Vieira FG, **Ozaki CK**. Impact of IL-1 $\beta$  on flow induced outward arterial remodeling. *Surgery* 2004;136:478-482.
35. Perrault-Dematte CM, Bray EJ, Didier N, **Ozaki CK**, Tran-Son-Tay R. Altered rheology of lymphocytes in diabetic mice. *Diabetologia* 2004;47(10):1722-1726.
36. Fernandez CM, Goldman DR, Jiang Z, **Ozaki CK**, Tran-Son-Tay R, Berceci SA. Impact of shear stress on early vein graft remodeling: a biomechanical analysis. *Ann Biomed Eng* 2004;32(11):1484-1493.
37. Grundmann S, Hoefler I, Ulusans S, van Royen N, Schirmer S, **Ozaki CK**, Bode C, Piek JJ, Buschmann I. Anti-Tumor necrosis factor- $\alpha$  therapies attenuate adaptive arteriogenesis in rabbits. *Am J Physiol Heart Circ Physiol* 2005;289(4):H1497-1505.
38. Berceci SA, Jiang Z, Klingman NV, Schultz GS, **Ozaki CK**. Early differential MMP-2 and -9 dynamics during arterial and vein graft adaptations. *J Surg Res* 2006;134(2):327-334.
39. Berceci SA, Brown J, Irwin P, **Ozaki CK**. Clinical outcomes after closed, open and staged forefoot amputations. *J Vasc Surg* 2006;44:347-352.
40. Jiang Z, Shukla A, Miller BL, Espino DR, Tao M, Berceci SA, **Ozaki CK**. TNF- $\alpha$  and the early vein graft. *J Vasc Surg* 2007;45(1):169-76.
41. Zacharski LR, Chow BK, Howes PS, Shamayeva G, Baron JA, Dalman RL, Malenka DJ, **Ozaki CK**, Lavori PW. Effect of reduction of iron stores on cardiovascular and cancer outcomes in patients with advanced peripheral arterial disease: VA Cooperative Study #410:

- The Iron (Fe) and Atherosclerosis Study (FeAST). *JAMA* 2007;297:603-610.
42. **Ozaki CK**, Jiang Z, Berceci SA. TNF- $\alpha$  and shear stress induced large artery adaptations. *J Surg Res* 2007;141(2):299-305.
  43. **Ozaki CK**. Cytokines and the early vein graft—strategies to enhance durability. *J Vasc Surg* 2007;45:92A-98A.
  44. Jiang Z, Yu P, Tao M, Fernandez CM, Infantides C, Moloye O, Schultz GS, **Ozaki CK**, Berceci SA. TGF-beta- and CTGF mediated fibroblast recruitment influences early outward vein graft remodeling. *Am J Physiol Heart Circ Physiol* 2007;293(1):H482-488.
  45. Childress BB, Berceci SA, Nelson PR, Lee WA, **Ozaki CK**. Impact of an absorbent silver eluting dressing system on lower extremity revascularization wound complications. *Ann Vasc Surg* 2007;21(5):598-602 and *Annales de Chirurgie Vasculaire* 2007;21:233-227.
  46. Stasik CN, Berceci SA, Nelson PR, Lee WA, **Ozaki CK**. Functional outcome following redo below knee amputation. *World J Surg* 2008; 32(8):1823-6.
  47. Hwang M, Garbey M, Berceci S, **Ozaki CK**, Tran-Son-Tay R. An experiment-based mathematical model of vein graft remodeling induced by shear stress. *Ann Biomed Eng* 2008;36(7):1083-1091.
  48. Zacharski LR, Chow BK, Howes PS, Shamayeva G, Baron JA, Dalman RL, Malenka DJ, **Ozaki CK**, Lavori PW. Decreased cancer risk following reduction of iron stores in patients with peripheral arterial disease. *J Natl Cancer Inst* 2008;100(14):996-1002.
  49. Jiang Z, Yu P, Tao M, Omalley KA, Wang D, **Ozaki CK**, Berceci SA. Established neointimal hyperplasia in vein grafts expands via TGF- $\beta$  mediated progressive fibrosis. *Am J Physiol Heart Circ Physiol* 2009;297(4):H1200-1207.
  50. Jiang Z, Yu P, Tao M, Infantides C, **Ozaki CK**, Berceci SA. Interplay of CCR2 signaling and local shear force determines vein graft neointimal hyperplasia *in vivo*. *FEBS Lett* 2009;302(14):1535-42.

#### *Other Peer-Reviewed Publications*

1. **Ozaki CK**, Farrehi P, Fay WP, Gordon D, Lowe JB, Stanley JC. Arterial response to injury in fucosyltransferase knockout mice. *Surg Forum*, 1996; 47:336-339.
2. Rectenwald JE, Huber TS, Moldawer LL, Seeger JM, **Ozaki CK**. Membrane bound TNF- $\alpha$  mediates neointimal hyperplasia. *Surg Forum*, 1999; 50:460-462.
3. **Ozaki CK**, Berceci SA, Irwin AS, Huber TS, Seeger JM, Lee WA, Flynn TC, Palta JR, Mendenhall NP, Zlotecki RA. Radiation therapy for improved dialysis access patency—safety and feasibility. In: Henry ML, Ed. *Vascular Access for Hemodialysis—IX*. Bonus Books, Los Angeles. 2005; 267-275.
4. Tran-Son-Tay R, Hwang M, Berceci SA, **Ozaki CK**, Garbey M. A model of vein graft intimal hyperplasia. *Conf Proc IEEE Eng Med Biol Soc* 2007;2007:5807-10.

#### *Research Publications without named authorship*

1. Deepak L. Bhatt, M.D., Keith A.A. Fox, M.B., Ch.B., Werner Hacke, M.D., Peter B. Berger, M.D., Henry R. Black, M.D., William E. Boden, M.D., Patrice Cacoub, M.D., Eric A. Cohen, M.D., Mark A. Creager, M.D., J. Donald Easton, M.D., Marcus D. Flather, M.D., Steven M. Haffner, M.D., Christian W. Hamm, M.D., Graeme J. Hankey, M.D., S. Claiborne Johnston, M.D., Koon-Hou Mak, M.D., Jean-Louis Mas, M.D., Gilles Montalescot, M.D., Ph.D., Thomas A. Pearson, M.D., P. Gabriel Steg, M.D., Steven R. Steinhubl, M.D., Michael A.

- Weber, M.D., Danielle M. Brennan, M.S., Liz Fabry-Ribaudo, M.S.N., R.N., Joan Booth, R.N., Eric J. Topol, M.D., for the CHARISMA Investigators. Clopidogrel and Aspirin versus aspirin alone for the prevention of atherothrombotic events. *N Engl J Med* 2006; 354:1706-1717 (member of the investigative team cited in the appendix of the manuscript; Contribution of patients/acquisition of data).
2. Lederle FA, Freischlag JA, Kyriakides TC, Padberg FT Jr, Matsumura JS, Kohler TR, Lin PH, Jean-Claude JM, Cikrit DF, Swanson KM, Peduzzi PN. Outcomes following endovascular vs open repair of abdominal aortic aneurysm: a randomized trial. *JAMA* 2009; 302(14):1535-1542. (member of the investigative team cited in the appendix of the manuscript; Contribution of patients/acquisition of data).

### Non-Peer Reviewed Scientific or Medical Publications/Materials in Print or Other Media

#### *Reviews, Chapters, Monographs and Editorials*

1. Shanley CJ, **Ozaki CK**, Zelenock GB. Bypass grafting for chronic mesenteric ischemia. *Surg Clin North Am*, 1997; 77(2):381-395.
2. **Ozaki CK**, Greenfield LJ. Vascular surgery in the elderly patient. In: Adkins RB Jr., Scott HW, Jr., eds. *Surgical Care for the Elderly, 2<sup>nd</sup> Edition*. Lippincott-Raven Publishers, Philadelphia. 1998; 241-249.
3. **Ozaki CK**, Seeger JM. Buerger's Disease. In: Ernst CB, Stanley JC, Eds. *Current Therapy in Vascular Surgery*. Mosby, Philadelphia. 2001; 151-154.
4. Huber TS, **Ozaki CK**, Seeger JM. Abdominal aortic aneurysms. In: Greenfield LJ, Ed. *Surgery: Scientific Principles and Practice*. Lippincott-Williams & Wilkins, Philadelphia. 2001; 1803-1833.
5. **Ozaki CK**. Vascular access for hemodialysis. In: Bland KI, Ed. *The Practice of General Surgery*. W.B. Saunders Company, Philadelphia. 2002; 1208-1212.
6. **Ozaki CK**. Cerebral hyperfusion syndrome after carotid endarterectomy. In: Upchurch G, Henke P, Eds. *Clinical Scenarios of Vascular Surgery*. Lippincott Williams & Wilkins, Philadelphia. 2005; 31-35.
7. Huber TS, **Ozaki CK**, Lee WA, Seeger JM. Abdominal aortic aneurysms. In: Mulholland MW, Ed. *Greenfield's Surgery: Scientific Principles and Practice*. Lippincott-Williams & Wilkins, Philadelphia. 2005; 1711-1747.
8. Jiang Z, Berceci SA, **Ozaki CK**. Vascular biology: atherosclerosis and intimal hyperplasia. In: Zelenock GB, Lumsden AB, Messina LM, Moneta GL, Huber TS. *Mastery of Vascular and Endovascular Surgery*. Lippincott-Williams & Wilkins, Philadelphia. 2006; 3-8.
9. Mitchell D, **Ozaki CK**. Vascular access. In: Davies A, Brophy C, Eds. *Vascular Surgery*. Springer, London. 2006; 141-148.
10. **Ozaki CK**. Magnetic forces enable rapid endothelialization of synthetic vascular grafts; Pislaru SV, *et al*. *Circulation*. 2006; 114:I-314-318. In: Gloviczki P, Ed. *Perspectives in Vascular Surgery and Endovascular Therapy*. SAGE Publications, Thousand Oaks, CA.
11. **Ozaki CK**. Superior mesenteric artery embolectomy. In: Fischer JE *et al*. *Mastery of Surgery, 5<sup>th</sup> Edition*. Lippincott-Williams & Wilkins, Philadelphia. 2007; 2142-2145.
12. **Ozaki CK**. Vascular access for hemodialysis. In: Bland KI *et al*, Eds. *General Surgery: Principles and International Practice*. Springer, London. 2009; 1861-1866.

### Professional Educational Materials or Reports, in Print or Other Media

1. **Ozaki CK**, Berceci SA. Murine models of atherosclerosis and peripheral vascular disease. [http://www.vascularweb.org/CONTRIBUTION\\_PAGES/Research/Basic\\_Articles/Murine\\_models\\_AS\\_Ozaki.html](http://www.vascularweb.org/CONTRIBUTION_PAGES/Research/Basic_Articles/Murine_models_AS_Ozaki.html). Internet based review of mouse models of vascular disease for the use of vascular biology researchers internationally.

### **Abstracts, Poster Presentations and Exhibits Presented at Professional Meetings**

1. Li L, Jiang Z, Tao M, O'Malley K, **Ozaki CK**, Berceci SA. Danger signaling dependent mechanisms in flow induced arterial remodeling. Atherosclerosis, Thrombosis and Vascular Biology Annual Conference 2008.
2. O'Malley K, Jiang Z, Tao M, Wang D, Moldawer LL, **Ozaki CK**, Berceci SA. MyD88-Dependent Pathway Initiates Neointimal Hyperplasia Development Independently of TLR4. *Circulation* 2008; 118(18); S468.
3. Fernandez C, Jiang Z, Tao M, He Y, **Ozaki CK**, Tran-Son-Tay R, Berceci SA. Accelerated intimal hyperplasia distal to a focal stenosis: a new paradigm in vein graft remodeling. Academic Surgical Congress 2009.
4. O'Malley K, Wand D, Tao M, Jiang Z, **Ozaki CK**, Moldawer LL, Berceci SA. Danger signals and innate immunity in the initiation of intimal hyperplasia. Academic Surgical Congress 2009.
5. Jiang Z, Tao M, O'Malley KA, Wang DL, **Ozaki CK**, Berceci SA. Late neointimal hyperplasia in vein grafts expands via TGF- $\beta$ /CTGF mediated fibrosis. Experimental Biology 2009.
6. **Ozaki CK**, Mitsouras D, Vemula PK, Smiley D, Tao M, Yu P, Campagna C, Zhao W, Mulkern RV, Karp J, Rybicki F. Novel implantable vein graft contrast yields enhanced outer wall definition in magnetic resonance imaging. New England Society for Vascular Surgery, 2009.
7. Rybicki FJ, Vemula PK, Mitsouras D, Yu P, Campagna C, Nguyen BT, Mulkern RV, Karp J. Covalent gadolinium binding to vein graft wall durably enhances magnetic resonance imaging conspicuity. American Roentgen Ray Society, 2010.
8. Mitsouras D, Vemula PK, Yu P, Tao M, Nguyen B, Karp J, **Ozaki CK**, Mulkern RV, Rybicki FJ. Toward a novel implantable MR contrast agent for enhanced definition of the vein graft wall in MRI: long-term stability assessment of Gd-DTPA immobilized contrast-enhanced (Gd-DTPA ICE) MRI. Submitted, International Society for Magnetic Resonance in Medicine.

### **Narrative Report**

I currently serve as an academic vascular surgeon and Director of Vascular Surgery Research in the Shapiro Cardiovascular Center of the Brigham and Women's Hospital/Harvard Medical School, a position that I have held since the fall of 2008.

Initially in 1997 I was recruited out of my fellowship training to the University of Florida not only to serve as an academic clinical vascular surgeon but also to build the vascular research program. During my eleven years in Florida I spearheaded this program to the point of five well-funded investigators (four by the National Institutes of Health). My personal basic research efforts

broadly aim to delineate the mechanisms by which physical forces alter the morphology of the blood vessel wall. I hold expertise specifically in the adaptations of the vein bypass graft, an extreme example of acute perturbation of the hemodynamic environment combined with vascular trauma. Recent investigative efforts have focused on inflammatory driven mechanisms of these adaptations, and these have been published in highly competitive journals within surgery (*Journal of Vascular Surgery, Surgery*) and beyond (*Circulation, Circulation Research, American Journal of Physiology*). My expertise has been recognized by extensive journal editorial service, and membership on National Institutes of Health, American Heart Association, and Department of Veterans Affairs study sections. Currently at the Brigham and Women's Hospital, I serve as Director of Vascular Surgery Research, and as an investigator in the Donald W. Reynolds Foundation Clinical Cardiovascular Research Center (10% compensated effort). Future research directions in my NIH funded laboratory will expand (in both animal models and humans) this foundation of knowledge via enhanced *in vivo* imaging of the blood vessel wall, and robust analyses of the longitudinal interplay between local hemodynamic factors and biologic mediators.

My clinical expertise is largely complex open carotid, aortic, and lower extremity arterial surgery, as well as placement of permanent hemodialysis access. Within three years of my University of Florida start, I ascended to Chief, Vascular Surgery at the Malcom Randall VAMC, and under my direction the Section built case volume while consistently earning high ratings in quality assessments such as the National Surgical Quality Improvement Program. In 2006 I was promoted to Chief, Surgical Service for the North Florida/South Georgia Veterans Health System, where my push for excellence in surgical throughput and quality continued. This complex institution stands as one of the largest VA Systems in the nation, and I supervised more than one hundred employees on this Service.

Finally, teaching has stood as a pillar of my early academic career. Twice within the last decade the Florida surgery residents recognized my role in their training via the Lester R. Dragstedt Award. Nationally I have served multiple national professional organizations such as the American Board of Surgery, Lifeline Foundation and the American College of Surgeons related to my educational and research expertise.