

Vascular Quality Initiative®

vascularqualityinitiative.org

National and Regional Approved Projects List

National		
Primary Investigator	Center	Title
Karen Woo, MD	USC	CEA VQI comparison of variables w/ NsQip
Daniel Bertges, MD	FAHC	Development of VQI Cardiac Risk Predictor
Mohammed Eslami, MD	BMC	Derivation of risk factor model predicting adverse outcomes after Carotid Endarterectomy (CEA) using Vascular Study Group of New England (VSGNE) carotid dataset and external validation using the remainder of SVS-PSO dataset
Mohammed Eslami, MD	BMC	Comparison of LEB and PVI repair of asymptomatic popliteal aneurysms
Randall DeMartino, MD	DHMC	Variation and intensity of medical therapy in patients undergoing vascular surgery
Grace Wang, MD	UPenn	Identifying risk factors for Cerebral reperfusion syndrome will permit patients to be better managed and reduce morbidity.
Mark Mewissen, MD	Aurora	Bleeding in patients undergoing percutaneous peripheral vascular intervention
Thomas Curran, MD, Marc Schermerhorn, MD	BID	Regional Differences in Contemporary Abdominal Aortic Aneurysm, Carotid Disease, and Lower Extremity Peripheral Arterial Disease Management
Joseph Schneider, MD	Cadence Health	A comparison of Results with Eversion vs. Conventional Carotid Endarterectomy from the Society for Vascular Surgery Vascular Quality Improvement Project
Vincent Rowe, MD	USC	Completion Imaging During Infra-inguinal Bypass
Vincent Rowe, MD	USC	The Impact of Vein Harvesting Technique on Wound Complications and Graft Patency after Infra-Inguinal Arterial Bypass
Jessica Simons, MD, Andres Schanzer, MD		Relative Performance of Prediction Models for Amputation Free Survival in Patients Undergoing Lower Extremity Bypass in the United States
Benjamin Brooke, MD, Larry Kraiss, MD	U of Utah	Variation in the Utilization of Preoperative Cardiac Stress Testing in Vascular Surgery
Will Robinson, MD	UMass	Comparison of Risk-adjusted Outcomes of Endovascular and Open Repair of Ruptured AAA in the Vascular Quality Initiative
Marc Schermerhorn, MD	BID	Regional Differences in Contemporary Lower Extremity Peripheral Arterial Disease Management
Marc Schermerhorn, MD	BID	Regional Differences in Contemporary Carotid Disease Management
Marc Schermerhorn, MD	BID	Regional Differences in Abdominal Aortic Aneurysm Repair.
Alik Farber, MD	BU	Comparison of Outcomes between Infrainguinal Bypass and Infrainguinal PVI in patients with Critical Limb Ischemia
Karen Ho, MD	Northwestern	Comparison of aorto-bifemoral bypass, cross-femoral bypass, and combined common femoral endarterectomy with iliac stenting for aorto-iliac occlusive disease using the SVS VQI Registry
Christopher Abularrage, MD	Johns Hopkins	Comparison of Outcomes After Bypass versus Peripheral Vascular Intervention At and Below the Knee for Critical Limb Ischemia
Karen Woo, MD	USC	The Association of Left Subclavian Artery Coverage without Revascularization and Spinal Cord Ischemia in Patients Undergoing TEVAR
Elias Arous, MD	UMass	Carotid Variation
Adam Beck, MD, Sal Scali, MD	U of Florida	Has EVAR explant become increasingly common over time in the VQI, and how do operative outcomes compare to native AAA repair
Fred Weaver, MD	USC	The Impact of Abdominal Aorta Exposure Technique on Pulmonary Complications in Patients Undergoing Open Aortic Surgery
Robert Steppacher, MD	University of Chicago	The Effect Anti-Platelets and Statins on Peri-Operative and Long Term Outcomes in Dialysis Patients Undergoing Arterial Surgery

Vascular Quality Initiative®

vascularqualityinitiative.org

National		
Primary Investigator	Center	Title
Thomas Brothers, MD	Medical University of South Carolina Hospital	Predicting the Best Therapy for Peripheral Arterial Disease Using the Vascular Quality Initiative
David Stone, MD	DHMC	Association of Clopidogrel and Antiplatelet Therapy with Major Bleeding Complications during Peripheral Arterial Surgery in a National Database
Marc Schermerhorn, MD; Peter Soden, MD	BID	Long-Term Comparison of Endovascular versus Open AAA Repair using Matched VQI-Medicare Database
Andrew Hoel, MD	Northwestern	Understanding Readmissions after Infrarenal Aortic Aneurysm Repair and the Impact on Mortality using the Society for Vascular Surgery Quality Initiative
Marc Schermerhorn, MD; Sara Zettervall, MD	BID	Anterior vs. Retroperitoneal Approach for AAA using Matched VQI and Medicare Database
Mahmoud Malas, MD	John Hopkins	The Effect of Age on Mortality after Open versus Endovascular Repair of Intact Abdominal Aortic Aneurysms
Karen Woo, MD	USC	Practice Patterns in Hemodialysis Access and Effect on Maturation
Fred Weaver, MD	USC	Complications Associated with the use of Parallel Endografts for the Treatment of Paravisceral Aortic Aneurysms
Salvatore Scali, MD	U of Florida	Which Factors are Most Important for Determining Adverse Neurologic Outcomes and/or Mortality after Thoracic Endovascular Aortic Repair in the VQI
Adam Beck, MD	U of Florida	The Physician Quality Reporting System and the Vascular Quality Initiative; How Often do Vascular Surgery Patients Meet the Quality Measures Outlined by the Centers for Medicare and Medicaid Services and are these Reasonable Measures to Follow

VSGNE		
Primary Investigator	Center	Title
Jeff Kalish	BMC	Wound Infection following LEB
Jeff Kalish	BMC	The Significance of Intra-Operative Completion Studies following LEB
Brian Nolan	DHMC	Carotid Endarterectomy Pre-operative MRA
David Stone	DHMC	Clopidogrel is Not Associated with Major Bleeding Complications During Peripheral Arterial Surgery
Jessica Wallaert	DHMC	Impact of Completion Imaging in CEA
Phil Goodney	DHMC	Functional Outcomes of Amputation following LEB
Phil Goodney	DHMC	Shunt Use in CEA
Phil Goodney	DHMC	ICA Re-exploration during CEA
Phil Goodney	DHMC	Changes in Patient Selection in LEB in New England
Chris Healey	MMC	The Effect of Coumadin on Endoleak Development after EVAR
Jens Jorgensen	MMC	Impact of RBC Transfusion on Post-Op Outcomes in AAA
Andy Hoel	DHMC	Determinates of Smoking Cessation in the VSGNE
Dave Kuwayama	DHMC	Length of Stay in the VSGNE Cohort
Danny Bertges	FAHC	Validation of VSGNE CRI 2008 - 2010
Danny Bertges	FAHC	Practice Patterns of Stress Test in Open AAA Patients
Julie Adams	FAHC	Gender Differences in LEB
Jessica Simons	UMASS	Major Adverse Limb Events Associated with LEB for Claudication
Jeff Kalish	BMC	Outcomes Related to Blood Transfusion After LEB

Vascular Quality Initiative®

vascularqualityinitiative.org

Brian Nolan	DHMC	Risk Adjusted Outcomes of Carotid Stenting
David Stone	DHMC	Impact of COPD on Open AAA Repair
Randy De Martino	DHMC	Outcomes of Ruptured AAA Repair in the VSGNE
Danny Bertges	FAHC	Results of Coronary Revascularization for Post-op MI after Vascular Surgery
Scott Fecteau	St. Francis	Conduit Limited Patients with CLI
Donald Baril	UMASS	Contralateral Amputation as a Predictor of Outcome after LEB
Alik Farber	BMC	Dextran Infusion during CEA with peri-op Outcome
Danny Bertges	FAHC	PVI for Critical Limb Ischemia within the VSGNE
James McPhee	Brigham	Vein cuff in below knee prosthetic grafts
Marc Schermerhorn	BIDEAC	Gender Differences in AAA
Marc Schermerhorn	BIDEAC	Gender Differences in Carotid Interventions

Cont....

VSGNE		
Primary Investigator	Center	Title
Ben Brooke	DHMC	Analysis of Variation in Use of Renal Protection in PVI
Jessica Wallaert	DHMC	Predicting long-term mortality in patients undergoing asymptomatic carotid endarterectomy
Randy De Martino	DHMC	Long Term Survival Following AAA
Reshma Patel	FAHC	Validation of VSGNE CRI 2008 - 2010
Chris Kwolek	MGH	Embolic protection versus flow reversal for Carotid Angioplasty and Stenting.
V. Patel	MGH	Evolution of Technique and Outcomes for Juxtarenal/Complex AAA
Phil Goodney	DHMC	Trends in re-intervention before index bypass
Jessica Simons	UMASS	Myocardial Infarction as a Predictor of Long-Term Mortality
Phil Goodney	DHMC	Perioperative Statin Use in Patients Undergoing LEB or PVI
Daniel Bertges	Fletcher Allen	Observed vs. Expected rates for Post-Op MI
Jessica Simons	UMASS	Graft durability and reinterventions with open AAA repair vs. EVAR
Andy Hoel	DHMC	Vein conduit technique and lower extremity bypass outcomes
Daniel Bertges	FAHC	Impact of VSGNE research on contemporary practice
Marc Schermerhorn	BIDEAC	Aortic size index and gender differences in management and outcomes of AAA repair
Brian Nolan	DHMC	Outcomes of CEA within one month if ipsilateral of CVA
Alik Farber	BMC	Reperfusion Symptoms after CEA and CAS
Fuyuki Hirashima	Fletcher Allen	Risk factors in colonic ischemia of patients undergoing endovascular and open abdominal aortic aneurysm repair.
Jeffrey Kalish	BMC	Femoral Access and Bleeding Complications during Peripheral Vascular Interventions
Jeffrey Kalish	BMC	Distal Origin Grafts for Critical Limb Ischemia
Alik Farber	BMC	The Effect of IV Hypo/Hypertensive Meds after Carotid Intervention
Donald Baril	UMASS	Outcomes of lower extremity bypass performed for acute limb ischemia
Marc Schermerhorn	BIDMC	Treatment of patients with restenosis after CEA: Redo-CEA vs. CAS

Vascular Quality Initiative®

vascularqualityinitiative.org

Marc Schermerhorn	BIDMC	Predictors of Type II Endoleak and their Association with Adverse Outcomes
Daniel Bertges	FAHC	Development and validation of the Vascular Quality Initiative Cardiac Risk Calculator
Daniel Bertges	FAHC	Impact of Gender on Outcomes of Peripheral Vascular Interventions
Daniel Bertges	FAHC	Impact of Cardiac Dysrhythmias and Congestive Heart Failure on Mortality after Vascular
Andrew Stanley	FAHC	Creating a bedside tool integrating hospital cost in clinical decision analysis.
Mohammad H. Eslami	BMC	Comparison of outcomes after popliteal artery repair: comparison of open vs. endovascular repair.
V. Patel, Todd Lancaster	MGH	Predictors of postoperative renal dysfunction and its impact on peri-operative and late survival
V. Patel, Mark Conrad	MGH	Predictors and impact of aneurysm sac behavior following EVAR for AAA
Marc Schermerhorn	BIDMC	Carotid revascularization and impact of degree of the contralateral artery

Cont.....

VSGNE		
Primary Investigator	Center	Title
Marc Schermerhorn & Robin Matyal	BIDMC	Gender-based post-operative anesthesia management and outcomes in AAA patients
Jens Jorgensen	MMC	Impact of VSGNE on vascular care in New England
Randall DeMartino	DHMC	Variation and intensity of medical therapy in in patients undergoing vascular surgery procedures
Louis Nguyen	BWH	Critical Limb Ischemia and Treatment Failure: Mechanical Models for Secondary Treatment
Marc Schermerhorn	BIDMC	Regional differences in carotid artery disease treatment and outcome
Marc Schermerhorn	BIDMC	Regional Differences in Lower Extremity Peripheral Arterial Disease Management
Marc Schermerhorn	BIDMC	Regional Differences in AAA Management
Phil Goodney	DHMC	Comparison of effect of symptom status on perioperative stroke following carotid revascularization between the SVS Vascular Registry and the VSGNE
Jeffery Siracuse	BMC	Comparative effectiveness of endovascular versus open repair of abdominal aortic aneurysms in low risk patients.
Mohammad H. Eslami & Carla Moreira	BMC	Outcomes of lower extremity bypass with "challenged" conduits
Elicia Inagaki, Namoi Hamburg & Alik Farber	BMC	Clinical outcomes of peripheral vascular intervention performed for acute limb ischemia of the lower extremities
Devin S. Zarkowsky	DHMC	Outcomes and Factors Associated with Patients Requiring Dialysis After EVAR
Carolina's		
Thomas Brothers, MD	MUSC	Predicting the Best Therapy for Peripheral Arterial Disease Using the Vascular Quality Initiative
Raghuveer Vallabhaneni, MD	UNC	Evaluation of the impact of smoking on lower extremity revascularization for claudicants
Mid-Atlantic		
Ralph P. Ierardi MD	Christiana Care	Variables associated with shortened length of stay following elective carotid endarterectomy
Virginia's		

Vascular Quality Initiative®

vascularqualityinitiative.org

Lily E. Johnston, MD	UVA	Use of Antiplatelet Agents in Patients Receiving Lower Extremity Endovascular Interventions
Albeir Mousa, MD	CAMC	Perioperative outcomes after CEA for asymptomatic patients in chronic renal insufficiency