Clinical research studies

Abdominal aortic aneurysm

Late single-center outcome of the Talent Abdominal Stent Graft after a decade of follow-up
Yannick W. ’t Mannetje, Pieter P.H.L. Broos, Roy F.A. van Poppel, Marc R.H.M. van Sambeek, Joep A.W. Teijink, Philippe W.M. Cuypers

Results of standard suprarenal fixation endografts for abdominal aortic aneurysms with neck length \( \leq 10 \) mm in high-risk patients unfit for open repair and fenestrated endograft
Enrico Gallitto, Mauro Gargiulo, Antonio Freyrie, Claudio Bianchini Massoni, Rodolfo Pini, Chiara Mascoli, Gianluca Faggioli, Andrea Stella

Failure mode analysis of the Endologix endograft
Gary W. Lemmon, Rahgu L. Motaganahalli, Tiffany Chang, James Slaven, Ben Aumiller, Bradford J. Kim, Michael C. Dalsing

Intraoperative contrast-enhanced cone beam computed tomography to assess technical
success during endovascular aneurysm repair
Christof Johannes Schulz, Matthias Schmitt, Dittmar Böckler, Philipp Geisbüsch

Transperitoneal versus retroperitoneal approach for open abdominal aortic aneurysm repair in the targeted vascular National Surgical Quality Improvement Program
Dominique B. Buck, Klaas H.J. Ultee, Sara L. Zettervall, Pete A. Soden, Jeremy Darling, Mark Wyers, Joost A. van Herwaarden, Marc L. Schermerhorn

Thoracic and thoracoabdominal aortic aneurysms and dissections

Branched versus fenestrated endografts for endovascular repair of aortic arch lesions
Nikolaos Tsilimparis, E. Sebastian Debus, Yskert von Kodolitsch, Sabine Wipper, Fiona Rohlffs, Christian Detter, Blayne Roeder, Tilo Kölbl

Endovascular treatment of aneurysms using fenestrated-branched endografts with distal inverted iliac limbs
Vikalp Jain, Peter Banga, Raghuveer Vallabhaneni, Matthew Eagleton, Gustavo Oderich, Mark A. Farber

Discussion

Improving mortality trends for hospitalization of aortic dissection in the National Inpatient Sample
Kate P. Zimmerman, Gustavo Oderich, Alberto Pochettino, Kristine T. Hanson, Elizabeth B. Habermann, Thomas C. Bower, Peter Gloviczki, Randall R. DeMartino

Lower extremity arterial disease

Predictive ability of the Society for Vascular Surgery Wound, Ischemia, and foot Infection (WIfI) classification system following infrapopliteal endovascular interventions for critical limb ischemia
Jeremy D. Darling, John C. McCallum, Peter A. Soden, Yifan Meng, Mark C. Wyers, Allen D. Hamdan, Hence J. Verhagen, Marc L. Schermerhorn
Impact of femoropopliteal endovascular interventions on subsequent open bypass
Shaun M. Gifford, Mark D. Fleming, Bernardo C. Mendes, Kendall C. Stauffer, Randall R. De Martino, Gustavo S. Oderich, Peter Gloviczki, Thomas C. Bower

Vascular Quality Initiative and National Surgical Quality Improvement Program registries capture different populations and outcomes in open infrainguinal bypass

Discussion

Heparin-bonded expanded polytetrafluoroethylene femoropopliteal bypass grafts outperform expanded polytetrafluoroethylene grafts without heparin in a long-term comparison
Russell H. Samson, Ricardo Morales, David P. Showalter, Michael R. Lepore Jr., Deepak G. Nair

Discussion

The financial burden of surgical and endovascular treatment of diabetic foot wounds
Maximilian O. Joret, Anastasia Dean, Colin Cao, Joanna Stewart, Venu Bhamidipaty

Ankle-brachial index predicts change over time in functional status in the San Diego Population Study
Christina L. Wassel, Matthew A. Allison, Joachim H. Ix, Dena E. Rifkin, Nketi I. Forbang, Julie O. Denenberg, Michael H. Criqui

Carotid and subclavian artery disease

Predictors of poor outcome after carotid intervention
Anahita Dua, Michael Romanelli, Gilbert R. Upchurch Jr., James Pan, Douglas Hood, Kim J. Hodgson, Sapan S. Desai

Plaque echodensity and textural features are associated with histologic carotid plaque instability
Robert J. Doonan, Jessica Gorgui, Jean P. Veinot, Chi Lai, Efthyvoulos Kyriacou, Marc M. Corriveau, Oren K. Steinmetz, Stella S. Daskalopoulou
Primary closure after carotid endarterectomy is not inferior to other closure techniques

Resolution of ischemic symptoms after percutaneous angioplasty for a symptomatic subclavian artery stenosis

Mesenteric artery disease

Superior mesenteric artery outcomes after fenestrated endovascular aortic aneurysm repair
Salim Lala, Martyn Knowles, David Timaran, Mirza Shadman Baig, James Valentine, Carlos Timaran

Vascular access

Radial artery deviation and reimplantation inhibits venous juxta-anastomotic stenosis and increases primary patency of radial-cephalic fistulas for hemodialysis
Nirvana Sadaghianllo, Serge Declemy, Elixène Jean-Baptiste, Pierre Haudebourg, Christophe Robino, Mohamed Sharitul Islam, Réda Hassen-Khodja, Alan Dardik

Invited commentary
Andres Schanzer

The efficacy and durability of the Venous Window Needle Guide implanted on uncannulatable arteriovenous fistulas
Spencer Galt, Mark Crawford, John Blebea, Eric Ladenheim, Barry Browne

Equivalent outcomes with standard and heparin-bonded expanded polytetrafluoroethylene grafts used as conduits for hemodialysis access
Mark G. Davies, Javier E. Anaya-Ayala, Hosam F. El-Sayed
Readmissions after vascular surgery

A telephone call 1 week after hospitalization can identify risk factors for vascular surgery readmission
John R. Hornick, Joshua A. Balderman, Ronnie Eugea, Luis A. Sanchez, Mohamed A. Zayed

Vascular trauma

Iliac injury during abdominal and thoracic aortic endovascular intervention
Samir K. Shah, Federico E. Parodi, Matthew J. Eagleton, James F. Bena, Daniel G. Clair

Contemporary outcomes of civilian lower extremity arterial trauma
Nathan L. Liang, Louis H. Alarcon, Geetha Jeyabalan, Efthymios D. Avgerinos, Michel S. Makaroun, Rabih A. Chaer

Basic research studies

From bench to bedside

Endogenous superoxide dismutase activation by oral administration of riboflavin reduces abdominal aortic aneurysm formation in rats
Zhenhai Yu, Keisuke Morimoto, Jie Yu, Wulan Bao, Yutaka Okita, Kenji Okada

Invited commentary
Christopher L. Skelly

Angiogenic properties of human placenta-derived adherent cells and efficacy in hindlimb ischemia
Aleksandar Francki, Kristen Labazzo, Shuyang He, Ellen Z. Baum, Stewart E. Abbot, Uri Herzberg, Wolfgang Hofgartner, Robert Hariri, on behalf of the Celgene Cellular Therapeutics Research Group
**Invited commentary**
Zhao-Jun Liu, Omaida C. Velazquez

**Cutaneous vascularization of the femoral triangle in respect to groin incisions**
Cécilia Tremblay, Detlev Grabs, Daniel Bourgouin, Gilles Bronchti

**Invited commentary**
Eric David Endean

**Systemic inflammation as a predictor of clinical outcomes after lower extremity angioplasty/stenting**
Kenneth DeSart, Kerri O’Malley, Bradley Schmit, Maria-Cecilia Lopez, Lyle Moldawer, Henry Baker, Scott Berceli, Peter Nelson

**A model to demonstrate that endotension is a nonvisualized type I endoleak**
Stuart Blackwood, Doran Mix, Ankur Chandra, Alan M. Dietzek

**Examination of near-wall hemodynamic parameters in the renal bridging stent of various stent graft configurations for repairing visceral branched aortic aneurysms**
Taylor Suess, Joseph Anderson, Laura Danielson, Katie Pohlson, Tyler Remund, Elizabeth Blears, Stephen Gent, Patrick Kelly

**Open Access**

---

**Society for Vascular Surgery® documents**

**Reporting standards of the Society for Vascular Surgery for thoracic outlet syndrome:**
Executive summary
Karl A. Illig, Dean Donahue, Audra Duncan, Julie Freischlag, Hugh Gelabert, Kaj Johansen, Sheldon Jordan, Richard Sanders, Robert Thompson

**Reporting standards of the Society for Vascular Surgery for thoracic outlet syndrome**
Karl A. Illig, Dean Donahue, Audra Duncan, Julie Freischlag, Hugh Gelabert, Kaj Johansen, Sheldon Jordan, Richard Sanders, Robert Thompson
Case report of the month

Complete regression of a symptomatic, mycotic juxtarenal abdominal aortic aneurysm after treatment with fenestrated endovascular aneurysm repair
Jonathan M. Durgin, Edward J. Arous, Shivani Kumar, William P. Robinson III, Jessica P. Simons, Andres Schanzer

Vascular images

Occurrence of a type 2 proatlantal intersegmental artery during carotid endarterectomy for symptomatic stenosis
Joseph M. Liechty, Rebecca Jo Weddle, William P. Shutze, Bertram L. Smith

A rare case of a giant superficial femoral artery aneurysm
Robert Moskowitz, Gregory Clabeaux, Aimee Swartz, Roger Walcott

Three-dimensional printing for preoperative planning of renal artery aneurysm surgery
Judith C. Lin, Eric Myers

Review article

Screening individuals with intracranial aneurysms for abdominal aortic aneurysms is cost-effective based on estimated coprevalence
Benjamin Z. Ball, Boxiang Jiang, Prachi Mehndiratta, George J. Stukenborg, Gilbert R. Upchurch Jr., James F. Meschia, Bradford B. Worrall, Andrew M. Southerland

Vascular and endovascular techniques

Lower extremity arterial revascularization using conditioned small-diameter great saphenous vein
Historical vignettes in vascular surgery

Gangrene, amputation, and allogeneic transplantation in the fifth century ad: A pictorial representation
Antonio Perciaccante, Frank J. Rühli, Francesco M. Galassi, Raffaella Bianucci

CPT advisor

Improving mortality trends for hospitalization of aortic dissection in the National Inpatient Sample
Benjamin M. Lerner, Sean P. Roddy

Abstracts

Prognosis of Asymptomatic Carotid Artery Occlusion Systematic Review and Meta-Analysis
D.G. Hackam

Cholesterol Lowering in Intermediate-Risk Persons Without Cardiovascular Disease
S. Yusuf, J. Bosch, G. Dagenais

Comparison of Long-Term Mortality After Ruptured Abdominal Aortic Aneurysm in England and Sweden
A. Karthikesalingam, A. Wanhainen, P.J. Holt

Periodontitis Increases the Risk of a First Myocardial Infarction: A Report From the PAROKRANK Study
L. Ryden, K. Buhlin, E. Ekstrand
Drug-Coated Balloon Versus Standard Balloon for Superficial Femoral Artery In-Stent Restenosis: The Randomized Femoral Artery In-Stent Restenosis (FAIR) Trial
H. Krankenberg, T. Tubler, M. Ingwersen

Multicenter Study of Abdominal Aortic Aneurysm Measurement and Enlargement
F.A. Lederle, S. Noorbaloochi, S. Nugent

The Impact of Functional Dependency on Outcomes After Complex General and Vascular Surgery
J.E. Scarborough, K.M. Bennett, B.R. Englum

Bioengineered Human Acellular Vessels for Dialysis Access in Patients With End-Stage Renal Disease: Two Phase 2 Single-Arm Trials
J.H. Lawson, M.H. Glickman, M. Ilzecki

Selected abstracts from the August issue of the European Journal of Vascular and Endovascular Surgery

Mid-term Outcomes of Renal Branches Versus Renal Fenestrations for Thoraco-abdominal Aneurysm Repair

Abdominal Compartment Syndrome After Surgery for Abdominal Aortic Aneurysm: A Nationwide Population Based Study
S. Ersryd, K. Djavani-Gidlund, A. Wanhainen, M. Björck

Outcome After Open and Laparoscopic Aortic Surgery in Matched Cohorts Using Propensity Score Matching

High On-Treatment Platelet Reactivity in Peripheral Arterial Disease: A Pilot Study to Find the Optimal Test and Cut Off Values
Lateral Fasciectomy Sparing the Superficial Peroneal Nerve with Simultaneous Mesh Graft in Non-healing Lateral Leg Ulcers of Diverse Vascular Origins: Surgical Technique, Short- and Long-term Results from 44 Legs
A. Obermayer, A. Maier, J. Zacherl, W. Hitzl, F. Steinbacher

Lack of Evidence for Dual Antiplatelet Therapy after Endovascular Arterial Procedures: A Meta-analysis

Abstracts from the 2016 Eastern Vascular Society Annual Meeting

Preoperative Risk Score Model to Characterize Predictors of Spinal Cord Ischemia Following Thoracic Endovascular Aortic Repair
Albeir Mousa, Mike Broce, Michael Yacoub, Andrew Sticco, Mina Baskharoun, Jenna Kazil, Aravindra Nanjundappa, Glibert R. Upchurch Jr., Ali AbuRahma

Outcomes at One Year With the Gore Excluder Iliac Branch Endoprosthesis
Sharif Ellozy, Darren Schneider, Jon Mastumura

Comparable Perioperative Outcomes in Younger Patients Undergoing Elective Open and Endovascular Abdominal Aortic Aneurysm Repair
Nathan L. Liang, Katherine M. Reitz, Michel S. Makaroun, Mahmoud Malas, Edith Tzeng

Utility and Safety of Axillary Conduits During Endovascular Repair of Thoracoabdominal Aortic Aneurysms
Jordan R. Stern, Sharif H. Ellozy, Peter H. Connolly, Andrew J. Meltzer, Darren B. Schneider

Clopidogrel Is Not Associated With Increased Risk of Bleeding Following Open Abdominal Aortic Aneurysm Repair
Jeanwan Kang, James Bena, Rebecca Kelso, Christopher Smolock, Daniel Clair

Trends and Outcomes in Endovascular and Open Surgical Treatment of Visceral Aneurysms
Preoperative Risk Factor Profiling to Identify Candidates for Endovascular Aneurysm Repair in Ambulatory Surgery Centers
Maciej L. Dryjski, Monica S. O'Brien-Irr, Hasan H. Dosluoglu, Gregory S. Cherr, Mariel Rivero, Linda M. Harris

Transcaval Access Provides a Safe and Effective Method in the Treatment of Type II Endoleaks
Tareq Massimi, Sira Duson, Steven Abramowitz, Rajesh Malik, Misaki Kiguchi, Edward Woo

Late Type II Endoleaks After Endovascular Aneurysm Repair Require Intervention More Frequently Than Early Type II Endoleaks
Danielle M. Pineda, Samuel Tyagi, Douglas A. Troutman, Matthew J. Dougherty, Keith D. Calligaro

Increased Mortality Associated With Subclavian to Carotid Artery Transposition for Left Subclavian Artery Revascularization During Thoracic Endovascular Aortic Repair
Khanjan H. Nagarsheth, Viktor Dombrovskiy, Saum Rahimi

Endograft Coverage of the Left Subclavian Artery During Repair of Traumatic Thoracic Aortic Injury May Be Associated With Significant Long-Term Morbidity
Michael Madigan, Elizabeth Genovese, Mikhail Attaar, Louis Alarcon, Michael Singh, Michel Makaroun, Eric Hager

Evaluation of Transradial Subclavian Artery Embolization
Steven D. Abramowitz, Tareq M. Massimi, Misaki M. Kiguchi, Rajesh K. Malik, Edward Y. Woo

Prosthetic Arterial Bypasses Are Durable in Patients Undergoing Vascular Reconstruction During Lower Extremity Sarcoma Resection
Joe Huang, Rahul Gulati, Frank Padberg, Ajay Dhadwal, Timothy Wu, Michael Curi

WIfI Scores Predict Outcomes After Tibial Intervention in Patients With Diabetes and End-Stage Renal Disease
Mark G. Davies, Georges M. Haider, Taylor D. Hicks, Hosam E. ElSayad

Inter-Society Consensus for the Management of Peripheral Arterial Disease Correlates
Better Than the Society for Vascular Surgery Lower Extremity Threatened Limb Classification Based on Wound, Ischemia, and foot Infection (WIfI) in Predicting Major Amputation
Caitlin M. Sorensen, Steven D. Abramowitz, Rajesh K. Malik, Misaki M. Kiguchi, Cameron M. Akbari, Edward Y. Woo, Tareq M. Massimi

The Society for Vascular Surgery WIfI Classification System Predicts Wound Healing But Not Major Amputation in Patients With Diabetic Foot Ulcers Treated in a Multidisciplinary Setting
Caitlin W. Hicks, Nestoras Mathioudakis, Joseph K. Canner, Ronald L. Sherman, Kathryn F. Hines, Ying W. Lum, Bruce A. Perler, Christopher J. Abularrage

A Comparison of Cost of Drug-Eluting Stents Versus Bare-Metal Stents in the Treatment of Critical Limb Ischemia in the United States
Satinderjit S. Locham, Isibor J. Arhuidese, Besma Nejim, Tammam Obeid, Christopher Abularrage, Mahmoud Malas

Radiofrequency or Laser Vein Ablation for Patients on Anticoagulation Is Safe, Effective, and Durable

Is Endovenous Heat-Induced Thrombosis Bilateral?
Syed Ali Rizvi, Anil Hingorani, Pavel Kibrik, Ronak Patel, Jesse Victory, Dmitriy Rybitskiy, Eleanora Iadgarova, Justin Eisenberg, Enrico Ascher, Natalie Marks

Outcomes of Intervention for Cephalic Arch Stenosis in Brachiocephalic Arteriovenous Fistulas
Mark G. Davies, Georges M. Haider, Hosam E. ElSayad

Why Do Vascular Surgeons Get Sued? Analysis of Claims and Outcomes in Malpractice Litigation
John Phair, Edvard Skripochnik, Eric B. Trestman, Evan C. Lipsitz, Larry A. Scher

Outcomes of Iliac Vein Stents Following Pregnancy
Mohini Dasari, Efthymios D. Avgerinos, Seshadri Raju, Robert Tahara, Rabih A. Chaer

Evaluating the Venous Experience in Vascular Surgery Training
Michael Siah, Steven Abramowitz, Edward Woo, Paul Haser, John Ricotta, Robyn Macsata
The ROADSTER Investigational Device Exemption Trial Leads to Food and Drug Administration Approval of the First Stent Labeled for Trans-Carotid Artery Revascularization
Manish Mehta, Vikran Kashyap, Mahmoud Malas, Philip Paty, Richard Cambria, Christopher Kwolek, Rasesh Shah, Enrique Criado, Robert Molnar

Validation of Subclavian Duplex Ultrasound Velocity Criteria to Grade the Degree of Stenosis in Occlusive Subclavian Artery Disease
Albeir Mousa, Mike Broce, Michael Yacoub, Aravinda Nanjundappa, Andrew Sticco, Zackary AbuRahma, Shadi AbuHaliamh, Ali AbuRahma

Drain Placement Confers No Benefit Following Carotid Endarterectomy in the Vascular Quality Initiative
Christopher J. Smolock, Jeanwan Kang, James F. Bena, Nayara Cioffi Batagini, Rebecca Kelso, Daniel Clair

Outcomes and Cost-Effectiveness Analysis of Autologous Alternative Veins Compared With Prosthetic Conduits for Infrainguinal Bypasses in the Absence of Great Saphenous Vein
Elizabeth A. Genovese, Rabih A. Chaer, Adham A. Ali, Natalie A. Domenick, Georges E. Al-Khoury, Michel S. Makaroun, Efthymios D. Avgerinos

Surgeon, Not Institution, Case Volume Is Associated With Limb Outcomes After Lower Extremity Bypass for Critical Limb Ischemia in the Vascular Quality Initiative

Development of a Hybrid Cryogel-Coated Prosthetic Vascular Graft for Delivery of Targeted Gene Therapies
Cindy Huynh, Ting-Yu Shih, Amruta Samant, Sail G. Pathan, David W. Nelson, David J. Mooney, Leena Pradhan-Nabzdyk, Frank W. LoGerfo

Prior Endovascular Intervention Is Not Detrimental to Pedal Bypasses for Ischemia
Jon C. Henry, Aureline Boitet, Abhisekh Mohaptra, Efthymios Avgerinos, Rabih Chaer, Michel Makaroun, Steven Leers, Eric S. Hager

Gonadal Vein Transposition in the Treatment of Nutcracker Syndrome
Ehsan Benrashid, Ryan S. Turley, Leila Mureebe, Cynthia K. Shortell
V-Aware: The Impact of Patient-Centric Vascular Awareness and Education Initiatives
Manish Mehta, Philip Paty, Chetna Prasad, Krishna Martinez-Singh, Dan Wilson, Nadeep Rai, Robert Shang

Gray-Scale Median and Other Predictors of Successful Sclerothrombus Aspiration Following Foam Sclerotherapy
Natalie Marks, Anil Hingorani, Enrico Ascher

Recanalization After Endovenous Thermal Ablation
Ahmad A. Alsheekh, Anil Hingorani, Natalie Marks, Enrico Ascher

The Efficacy of Patch Angioplasty for Maturation of Arteriovenous Fistulas
Courtney Grant, Elias Kfoury, Dipankar Mukherjee, Homayoun Hashemi

Carotid Plaque Strain Characterization in Clinical B-Mode Ultrasound Image Sequences
Amir A. Khan, Joseph C. Hecker, Tom Hatsukami, Siddhartha Sikdar, Brajesh K. Lal

Type III Endoleak Resulting From a Fractured Renal Stent in a Patient With Branched Endograft
Carlos Rivera, Cindy Sturt, Michael Addis, Adam Sagarwala, Pratish Majundar, Bruce J. Brener

Thoracofemoral Bypass Through a Transdiaphragmatic, Retronephric Tunnel With Concomitant Tibial Bypass for Limb Salvage
Benjamin Keyser, Melissa Obmann, Shivprasad Nikam, David Mariner

Delayed Migration of a Thrombosed Aortic Endograft Within a Thrombosed Aneurysm Sac Resulting in Continued Sac Expansion and Rupture
Edvard Skripochnik, Nicos Labropolous, Shang A. Loh

Flared Stents as an Endovascular Treatment for Access-Induced Steal Syndrome
Chien Yi M. Png, William E. Beckerman, Rami O. Tadros, Reid A. Ravin, Peter L. Faries, Michael L. Marin, David J. Finlay

Common Carotid Artery Thrombosis With Recurrent Cerebral Emboli Treated With Ligation
Jacquellenn Stuhldreher, Roberto Calderon, Shahab Toursavadkohi, Thomas Monahan
Regional Anesthesia is Associated With Decreased Postoperative Hypertension in Patients Undergoing Eversion Carotid Endarterectomy
Felecia Jinwala, Justin Oh, Viktor Dombrovskiy, Khanjan Nagarsheth, Saum Rahimi

Patterns of Inferior Vena Cava Filter Placement Before and After Implementation of a Strict Indication Policy
Nicholas Russo, Matthew D'Alessandro, Arthelma Tyson, Saqib Zia, Jonathan Schor, Jonathan Deitch, Kuldeep Singh

Hand-Arm Vibration Syndrome, a Rarely Observed Diagnosis
Rebecca Campbell, Robert I. Hacker

Pulmonary Hypertension and Hemodialysis Access
Roy Miler, James Bena, Lee Kirksey

Treatment and 5-Year Follow-Up of a 3-Year-Old Boy With Transection of Femoral Artery and Vein
Patrick Bonasso, Alexandre d'Audiffret, Richard Vaughan, Lakshmikumar Pillai

Long-Term Durability of Infrainguinal Endovascular and Open Revascularization for Disabling Claudication
Sikandar Z. Khan, Maniel Rivero, Linda M. Harris, Maciej L. Dryjski, Hasan H. Dosluoglu

Most Deep Wound Infections After Lower Extremity Bypass Occur After Discharge From the Hospital—What Can Be Done to Prevent Them?
Tiffany Bohr, Erik Lehman, Faisal Aziz

Technique and Short-Term Outcomes for Management of Symptomatic Mycotic Abdominal Aortic Aneurysms With Rifampin-Soaked Endografts
Benjamin Keyser, Melissa Obmann, Shivprasad Nikam, David Mariner

Factors Affecting Length of Stay and Discharge Needs After Lower Extremity Amputation
Anna Z. Fashandi, Lily E. Johnston, Gilbert R. Upchurch Jr., J. Hunter Mehaffey, William P. Robinson III, Kenneth J. Cherry, Margaret C. Tracci
A Strategy for Achieving Early Reperfusion and Complete Clot Removal Using Endovascular Techniques for Management of Phlegmasia Cerulea Dolens
Jennifer Worsham, Charlie Cheng, Grant Fankhauser, Zulfiqar Cheema, Michael Silva Jr.

Extension-Distraction Injury of the Thoracolumbar Spine With Associated Traumatic Thoracic Aortic Injury: A Case Report
Sandra Toth, Doran Mix, Roan Glocker, Adam Doyle, Michael Stoner, Jennifer Ellis

Brachial Artery Transection Secondary to Open Elbow Dislocation in an 11-Year-Old Girl
Craig W. Milner, Rafael D. Malgor, John Blebea

Losing Exposure: Diminishing Revascularization Experience in General Surgery Residency
Therese Federowicz, Amber Trickey, Erica Emery, Jonathan Dort, Dipankar Mukherjee

Gracilis Muscle Flap Coverage for Preservation of Lower Extremity Arteriovenous Graft
Joshua A. Borsook, Prashant Upadhyaya, Vivian Gahtan

Risk Factors Predictive of Unfavorable Distal Aortic Remodeling After Surgical Repair of Acute Type A Aortic Dissection
Aashih Gupta, Suttatip Vechvitvarakul, Mohammed Hoque, Maryanne Ruggiero, Michael Shih, Alexander Shiferson, Gregory Crooke, Jefferson Drapkin, Max Shin, Sunil Abrol, Theresa Jacob, Robert Rhee

Transverse Versus Longitudinal Incisions for the Exposure of the Femoral Artery in Treating Patients With Peripheral Vascular Disease
Punam Parikh, Gustavo Rubio, Kunal Patel, Kapil Gupta, Claudia Lacayo, Keith Jones, Jorge Rey, Handel R. Robinson

A Risk Score Model to Characterize Predictors of Survival After Elective Endovascular Abdominal Aortic Aneurysm Repair
Joe Bozzay, Mike Broce, Albeir Mousa

Long-Term Revisional or Contralateral Treatments After Carotid Revascularization in the Vascular Quality Initiative

Endovascular Treatment of a Large Iliac Vein Aneurysm and High-Flow Arteriovenous
Fistula
Michael DeWane, Keith Quencer, Cassius I. Ochoa Chaar

Capillary Lactate and Critical Limb Ischemia
David Pechman, Joseph Sabat, Soma Brahmanandam, Thomas Bernik, Simon Eiref

Risk Factors for Unplanned Readmission and Stump Complications After Major Lower Extremity Amputation
John Phair, Charles DeCarlo, Saadat Shariff, Larry Scher, Evan Lipsitz, Karan Garg

Placement of Tunneled Dialysis Catheters at or Just Before Autogenous Fistula Creation Does Not Increase the Risk of Central Vein Stenosis
Ioannis Kontopidis, Zachary Phillips, Emilia Krol, Devin Gillaspie, Jessica Louie, Alan M. Dietzek

Endovascular Aneurysm Repair in the Treatment of Abdominal Aortic Invasion by Metastatic Small Cell Lung Cancer in the Duodenum
Adam H. Korayem, Rami O. Tadros, Tomas M. Heimann, Peter L. Faries, Michael M. Marin, Rajiv K. Chander

High-Risk Carotid Plaque Characteristics and Implications for Carotid Stenting
Jennifer Li, Christian Pina, Bhakti Rawal, Chiara Giannarelli, Venkatesh Mani, Ageliki Vouyouka, Rami Tadros, Prakash Krishnan, Zahi Fayad, Jose Wiley, Peter Faries

Abstracts from the 2016 Midwestern Vascular Surgical Society Annual Meeting

The Impact of Postoperative Glycemic Control After Lower Extremity Procedures
Todd R. Vogel, Jamie B. Smith, Ryan J. Kim, Robin L. Kruse

Use of Telemedicine for Management of Patients With Varicose Vein Disease
Yasaman Kavousi, Janelle M. Crutchfield, Christine Swanson, Efstathios Karamanos, Judith C. Lin

Muscular Strength Characteristics at the Ankle Are Altered by Peripheral Artery Disease
Molly Schieber, Ryan M. Hasenkamp, Nick Stergiou, Jason M. Johanning, Iraklis I. Pipinos, Sara A. Myers
Comparison of Two Duplex Ultrasound Diagnostic Criteria for Carotid Stenosis With Computed Tomography Angiography

Endovascular Experience at an Academic Office-Based Procedure Center
Jennifer Baker, Rafael D. Malgor, John Blebea, Harry Ma, Kevin E. Taubman

Comparing Outcomes After Above-Knee Amputations in Patients With and Without Concurrent Vascular Intervention
Nabila Sardar, Anai N. Kothari, Sean Nassoiy, Paul C. Kuo, Pegge M. Halandras

Treatment of Peripheral Vascular Disease Through Percutaneous Brachial Artery Access
Randall Franz, Christopher F. Tanga, Joseph W. Herrmann

Impact of Left Subclavian Artery Revascularization Before Thoracic Endovascular Aortic Repair on Cerebrovascular Hemodynamics

Common Carotid Artery End-Diastolic Velocity and Acceleration Time Can Predict Degree of Internal Carotid Artery Stenosis
David S. Strosberg, Mounir J. Haurani, Bhagwan Satiani, Michael R. Go

Reporting of Claudication Does Not Differ by Race
Samantha D. Minc, Raj C. Shah, David A. Bennett, Lisa L. Barnes, Amy B. Reed

Treatment of Massive and Submassive Pulmonary Embolism With Catheter-Directed Thrombolysis Does Not Require Routine Follow-up Pulmonary Angiography
Omar Al-Nouri, Krishna Mannava, Lisa Stevens

Complication and Retrieval Rates of Inferior Vena Cava Filters, a Single-Center Retrospective Study
Nathaniel A. Parker, Ankit Mohla, Scott W. Kujath, Karl R. Stark, Jonathon E. Wilson, Rebecca J. Thomas, Robert R. Carter
Analysis of Aortic Growth Rates in Uncomplicated Type B Dissection
Maen Aboul Hosn, Paolo Goffredo, Jeffrey Zavala, Timothy Kresowik, Rachael Nicholson, Luigi Pascarella

Clinical Diagnostic Criteria and Pretreatment Patient-Reported Outcomes Measures in a Prospective Cohort of Patients With Neurogenic Thoracic Outlet Syndrome
Joshua A. Balderman, Katherine Holzem, Ahmmad A. Abuirqeba, Beverly J. Field, Michael M. Bottros, Lauren N. McLaughlin, Chandu Vemuri, Robert W. Thompson

Carotid Occlusion Is Associated With More Frequent Neurovascular Events Than Carotid Stenosis With Aspirin Monotherapy
Matthew Janko, Ryan Moore, Ann H. Kim, Andrew Shevitz, Katherine Morrow, Vikram S. Kashyap

Surgical Site Infection: Incidence, Prediction, and Risk Factors Following Open Lower Extremity Bypass Surgery
Frank M. Davis, Danielle Horne, Scott F. Grey, Ashraf Mansour, Timothy Nypaver, Paul Grossman, Hitinder Gurm, Peter Henke

Thoracic Endovascular Aortic Repair Migration and Aortic Elongation Differentiated Using Dual Reference Point Analysis
Hillary Alberta, Toshio Takayama, Patrick Phelan, Annalise Panthofer, Richard Cambria, Mark Farber, William Jordan, Jon Matsumura

Minority Race Is Independently Associated With Need for Late Intervention in Medically Managed Type B Aortic Dissection
Richa Kalsi, Scarlett Hao, Donald G. Harris, Oussama Benalla, Zaid A. Naseer, Ilynn Bulatao, Charles B. Drucker, Abhishek Bhardwaj, Andres Fajardo, Robert S. Crawford

Poor Outcomes in Obese Patients After Mesenteric Revascularization for Chronic Mesenteric Ischemia
Dustin Y. Yoon, Katherine E. Hekman, Neel Mansukhani, Andrew W. Hoel, Heron E. Rodriguez, William H. Pearce, Mark K. Eskandari, Tadaki M. Tomita

Isolated Great Saphenous Vein Thrombus Is Associated With High Rates of Propagation and Deep Venous Thrombosis Regardless of Treatment
Elizabeth A. Kudlaty, Babtunde Oriowo, Bhagwan Satiani, Michael R. Go
Intensity and Pattern of Daily Physical Activity of Claudicating Patients
Hernan Hernandez, Sara A. Myers, George Casale, Holly K. DeSpiegelaere, Panagiotis Koutakis, Duy M. Ha, Evlampia Papoutsi, Constance Mietus, Kyung-soo Kim, Iraklis Pipinos

Evaluation of Thrombolysis Using Tissue Plasminogen Activator in Femoral-Popliteal Deep Venous Thrombosis
Mayin Lin, John C. Hsieh, William H. Nechtow, Mian H. Hanif, Jose R. Borromeo, David K. Chew

Increased Overall Morbidity of General Versus Regional Anesthesia for Carotid Endarterectomy: Results From the Michigan Surgical Quality Collaborative
Ahmad S. Hussain, Hue Thai, Andrew Mullard, William Oppat, Kevin Nolan

Comparison of Carotid Patch Material Trends and Short-term Outcomes Within the Vascular Quality Initiative Database
Rebecca L. Kelso, James Bena, Christopher J. Smolock, Jeanwan Kang, Daniel G. Clair

Comparison of Results of Carotid Endarterectomy in Octogenarians and Nonagenarians Versus Younger Patients
Joseph R. Schneider, Cheryl R. Jackson, Irene B. Helenowski, Michael J. Verta, Julia B. Wilkinson, Nilesh H. Patel, Stanley Kim, Renato Ripamonti, Andrew W. Hoel

Association of Infection With Hospital Readmission After Open and Endovascular Lower Extremity Procedures
Joseph C. Melvin, Jamie B. Smith, Robin L. Kruse, Todd R. Vogel

Long-term Survival in Patients With Descending Thoracic Aortic Aneurysms Treated With Open or Endovascular Surgery at a Single Tertiary Center From 1984 to 2014
Charles Acher, C.W. Acher, Jeffrey Havlena, Martha M. Wynn

Improving Outcomes for Neurogenic Thoracic Outlet Syndrome Decompression
Sapan S. Desai, Anahita Dua, Abdallah Naddaf, Douglas Hood, Kim J. Hodgson

Noninvasive Measurement of Renovascular Resistance and the Meaning and Limitations of the Renal Resistance Index
Alan P. Sawchuk, Raveena Patil, Hongkun Zhu, Huidan Whitney Yu, Raghunandan Motaganahalli, Michael C. Dalsing
Development of a Validated Model to Predict 30-Day Stroke and One-Year Survival After Carotid Endarterectomy for Asymptomatic Stenosis Using the Vascular Quality Initiative
Randall DeMartino, Benjamin Brooke, Dan Neal, Adam W. Beck, Mark Conrad, Shipra Arya, Sapan Desai, Faisal Aziz, Patrick Ryan, Larry Kraiss

Clinical Outcomes of Obturator Canal Bypass
Jonathan Bath, Becky Long, Maham Rahimi, Efthymios Avgerinos, Joseph Giglia

A Prospective Randomized Comparison of Contralateral Snare Versus Retrograde Gate Cannulation in Endovascular Aneurysm Repair
Jessica M. Titus, Andrew Cragg, Peter Alden, Jason Alexander, Jesse Manunga Jr., Elliot Stephenson, Timothy Sullivan

Results of Early Versus Delayed Carotid Endarterectomy After a Recent Mild to Moderate Stroke
Sachinder Hans, Irina Catanescu

The Clinical Presentation and Management of Arterial Thoracic Outlet Syndrome
Chandu Vemuri, Lauren N. McLaughlin, Ahmmad A. Abuirqeba, Robert W. Thompson

Nicotine Dependence and Willingness to Quit Smoking in Vascular Surgery Patients
Matthew R. Smeds, Anna Privratsky, Claudia Barone, Guillermo A. Escobar, Ahsan A. Ali, Mohammed M. Moursi

Variation in Hospital Costs and Reimbursement for Endovascular Aneurysm Repair—A Vascular Quality Initiative Pilot Project
Gary W. Lemmon, Randall R. DeMartino, Joseph R. Schneider, Tej Singh, Larry Kraiss, Salvatore Scali, Apostolis Tassiopoulos, Andrew Hoel, Jack L. Cronenwett

Early Experience With Use of 18F-Fluorodeoxyglucose Positron Emission Tomography/Computed Tomography in Evaluation of Vascular Grafts and De Novo Infections
Richard Denney, Anjan Talukdar, Andres Fajardo, Alok Gupta, Mike P. Murphy, Michael C. Dalsing, Raghu Motaganahalli

Directional Control for Precise Deployment of Endovascular Aneurysm Repair and Thoracic Endovascular Aortic Repair in Angulated Anatomy
Toshio Takayama, Patrick Phelan, Jon Matsumura
Percutaneous Suction Thrombectomy Is a Viable Alternative for Patients With Contraindications to Chemical Venous Thrombolysis
Mohamed A. Zayed, John Hornick, Mani Naganathan, Suresh Vedantham, Luis A. Sanchez

Ulnar to Radial Artery Bypass to Treat an Ischemic Hand due to Hypothenar Hammer Syndrome After Radial Artery Harvest
Maxwell Almenoff, Scott W. Kujath, Robert R. Carter, Karl R. Stark, Jonathan E. Wilson

A 38-Year-Old Man With Marfan Syndrome and Bilateral Subclavian Artery Aneurysms
Manju Kalra, Zachary Osborne

Computed Tomography Angiography With Intra-aortic Catheter Placement in Patients With Stage 4 Renal Failure
Shoaib Shafique, Kate Dell

Staged Reconstruction of the Inferior Vena Cava After Gunshot Injury
Nathan Droz, John Matsuura

A Case Report of Thoracic Endovascular Aortic Repair Under Local Anesthesia With Resolution of Acute-Onset Lower Extremity Paraplegia From an Acute Complicated Type B Aortic Dissection
Selma El Hag, Susan Shafii, Elizabeth Hartman, Michael Rosenberg, Andrew Grande, Gabriel Loor, Rumi Faizer

Development of Angiosarcoma in a Previous Femoral to Below-Knee Popliteal Artery In Situ Saphenous Vein Graft
Rachel A. Morris, Brian Keyashian, Cheong J. Lee

Type IV Popliteal Arterial Entrapment Associated With an Osteochondroma
Dustin D. Lucarelli, Aswath Subram

Emergent Percutaneous Endovascular Aneurysm Repair for Abdominal Aortic Aneurysm Rupture With Acute Aortocaval Fistula
Richard Denney, Michael Murphy, Andres Fajardo

A Hybrid Approach in the Treatment of Persistent Sciatic Artery Aneurysms
Letters to the Editor

Regarding “A decade of pelvic vascular injuries during the Global War on Terror”
Pierre Pasquier, Brice Malgras, Olivier Barbier, Mathieu Boutonnet

Reply
Kevin M. Casey, Victoria S. McDonald, Joseph D. Ayers, Jacob Quail, Marlon Tingzon

Corrections

Correction

Correction

Frontmatter

Editorial Board

Contents

Information for authors
Peter Gloviczki, Peter F. Lawrence

Information for readers