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Felix J.V. Schlösser, MD, Marco J. D. Tangelder, MD, PhD, Hence J. M. Verhagen, MD, PhD, Geert J. M. G. van der Heijden, PhD, Bart E. Muhs, MD, PhD, Yolanda van der Graaf, MD, PhD, and Frans L. Moll, MD, PhD, on behalf of the SMART study group, Utrecht and Rotterdam, The Netherlands; and New Haven, Conn

CME article

Renal perfusion with venous blood extends the permissible suprarenal clamp time in abdominal aortic surgery 1134
Maximilian Pichlmaier, MA, MD, Ludwig Hoy, PhD, Mathias Wilhelmi, MD, Nawid Khaladj, MD, Axel Haverich, MD, and Omke E. Teebken, MD, Hannover, Germany

CME article

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Joseph L. Mills Sr, MD, Son T. Duong, MD, Luis R. Leon Jr, MD, Kaoru R. Goshima, MD, Daniel M. Ihnat, MD, Christopher S. Wendel, MS, and Angelika Gruesnner, MS, PhD, Tucson, Ariz

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Justin B. Dimick, MD, MPH, and Gilbert R. Upchurch Jr, MD, Ann Arbor, Mich

Reduction of in-hospital mortality among California hospitals meeting Leapfrog evidence-based standards for abdominal aortic aneurysm repair 1155
Benjamin S. Brooke, MD, Bruce A. Perler, MD, MBA, Francesca Dominici, PhD, Martin A. Makary, MD, MPH, and Peter J. Pronovost, MD, PhD, Baltimore, Md

Expanding use of emergency endovascular repair for ruptured abdominal aortic aneurysms: Disparities in outcomes from a nationwide perspective 1165
Kelly Lesperance, MD, Charles Andersen, MD, Niten Singh, MD, Benjamin Starnes, MD, and Matthew J. Martin, MD, Tacoma, Wash

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The impact of race and insurance type on the outcome of endovascular abdominal aortic aneurysm (AAA) repair
Anthony Lemaire, MD, Chad Cook, PT, PhD, MBA, Sean Tackett, BS, Donna M. Mendes, MD, and Cynthia K. Shortell, MD, Durham, NC, and New York, NY

What is the clinical utility of a 6-month computed tomography in the follow-up of endovascular aneurysm repair patients?
Michael R. Go, MD, Joel E. Barbato, MD, Robert Y. Rhee, MD, and Michel S. Makaroun, MD, Pittsburgh, Pa
CME article

Aortic remodeling after endografting of thoracoabdominal aortic dissection
Julio A. Rodriguez, MD, Dawn M. Olsen, PA, Leonardo Lucas, MD, Grayson Wheatley, MD, Venkatesh Ramiah, MD, and Edward B. Diethrich, MD, Phoenix, Ariz
CME article

Surgical correction of failed thoracic endovascular aortic repair
Stephan Langer, MD, Gottfried Mommerzt, MD, Thomas A. Koeppel, MD, Geert W. H. Schurink, MD, Rüdiger Autschbach, MD, and Michael J. Jacobs, MD, Aachen, Germany; and Maastricht, The Netherlands

Common iliac artery aneurysm: Expansion rate and results of open surgical and endovascular repair
Ying Huang, MD, PhD, Peter Gloviczki, MD, Audra A. Duncan, MD, Manju Kalra, MBBS, Tanya L. Hoskin, MS, Gustavo S. Oderich, MD, Michael A. McKusick, MD, and Thomas C. Bower, MD, Rochester, Minn

Nonoperative management of unruptured visceral artery aneurysms: Treatment by transcatheter coil embolization
Osamu Ikeda, MD, Yoshitaka Tamura, MD, Yutaka Nakasone, MD, Yasuhiro Iryou, MD, and Yasuyuki Yamashita, MD, Honjo Kumamoto, Japan

Stenting for carotid artery stenosis: Fractures, proposed etiology and the need for surveillance
Adrian James Ling, MBBS, Patrice Mwipatayi, MMed (Surg), FCS (SA), FRACS, Cert Vasc Surg (SA), Tarun Gandhi, MS (Gen Surg), FVES (India), and Kishore Sieunarine, FRACS, FRCSE, DDU, Perth, Western Australia, Australia
Invited Commentary: Daniel G. Clair, MD, Cleveland, Ohio

Staged bilateral carotid stenting, an effective strategy in high-risk patients – insights from a prospective multicenter trial
Nicolas Diehm, MD, Barry T. Katzen, MD, Sriram S. Iyer, MD, Christopher J. White, MD, L. Nelson Hopkins, MD, and Lynne Kelley, MD, on behalf of the BEACH investigators, Miami, Fla; New York and Buffalo, NY; New Orleans, La; Natick, Mass; and Bern, Switzerland

Early remodeling of lower extremity vein grafts: Inflammation influences biomechanical adaptation
Christopher D. Owens, MD, Frank J. Rybicki, MD, PhD, Nicole Wake, BS, Andres Schanzer, MD, Dimitrios Mitsouras, PhD, Marie D. Gerhard-Herman, MD, and Michael S. Conte, MD, Boston, Mass

Long-term prognostic factors after thrombolysis for lower limb ischemia
Monica Kuoppala, MD, Sofia Franzén, MD, Bengt Lindblad, MD, PhD, and Stefan Acosta, PhD, MD, Malmö, Sweden
The effect of metabolic syndrome components on exercise performance in patients with intermittent claudication
Andrew W. Gardner, PhD, and Polly S. Montgomery, MS, Oklahoma City, Okla; and Baltimore, Md

Penetrating femoropopliteal injury during modern warfare: Experience of the Balad Vascular Registry
Major E. Baylor Woodward, MD, Lt Colonel W. Darrin Clouse, MD, Major Jonathan L. Eliason, MD, Major Michael A. Peck, MD, Lt Colonel Andrew N. Bowser, MD, Major Mitchell W. Cox, MD, Lt Colonel W. Tracey Jones, MD, and Lt Colonel Todd E. Rasmussen, MD, Balad, Iraq; San Antonio, Texas; Travis Air Force Base, Calif; and Bethesda, Md

A comparison of recombinant thrombin to bovine thrombin as a hemostatic ancillary in patients undergoing peripheral arterial bypass and arteriovenous graft procedures
Fred A. Weaver, MD, Wesley Lew, MD, Kenneth Granke, MD, Layne Yonehiro, MD, Burke Delange, MD, W. Allan Alexander, MD, and Study Investigators, Los Angeles, Calif; Detroit, Mich; Pensacola, Fla; Fort Worth, Tex; and Seattle, Wash

Side-to-side arteriovenous fistula at the elbow with perforating vein ligation
Majid Moini, MD, G. Melville Williams, MD, Mohammad Sadegh Pourabbasi, MD, Mohammad Reza Rasouli, Payam Tarighi, MD, Armita Mardanloo, MD, and Hussein Rayatzadeh, Tehran, Iran; and Baltimore, Md

Primary and staged transposition arteriovenous fistulas
Michael R. Arroyo, MD, Matthew J. Sideman, MD, Lawrence Spergel, MD, and William C. Jennings, MD, Tulsa, Okla; and San Francisco, Calif

Surgical revision of complicated false and true vascular access–related aneurysms
George S. Georgiadis, MD, Miltos K. Lazarides, MD, Stelios A. Panagoutsos, MD, Konstantia M. Kantartzi, MD, Constantinos D. Lambidis, MD, Dimitrios N. Staramos, MD, and Vassilios A. Vargemezis, MD, Alexandroupolis and Athens, Greece

Sclerotherapy after embolization of draining vein: A safe treatment method for venous malformations
Yunbo Jin, MD, Xiaoxi Lin, MD, Wei Li, MD, Xiaojie Hu, MD, Gang Ma, MD, and Wei Wang, MD, Shanghai, People's Republic of China

Great saphenous vein stripping with preservation of sapheno-femoral confluence: Hemodynamic and clinical results
Paul Pittaluga, MD, Sylvain Chastanet, MD, and Jean-Jérôme Guex, MD, Nice, France

Invited Commentary: Peter Neglen, MD, PhD, Flowood, Miss

BASIC RESEARCH STUDIES
Mathematical analysis of DICOM CT datasets: Can endograft sizing be automated for complex anatomy?
Vikash Ravi Goel, MS, Roy K. Greenberg, MD, and Donald P. Greenberg, PhD, Cleveland, Ohio; and Ithaca, NY
Undifferentiated mesenchymal stem cells seeded on a vascular prosthesis contribute to the restoration of a physiologic vascular wall
Alain Mirza, MD, Jean-Marc Hyvelin, PhD, Gael Y. Rochefort, PhD, Patrick Lermusiaux, MD, PhD, Daniel Antier, PhD, Bonaventure Awede, MD, PhD, Pierre Bonnet, MD, PhD, Jorge Domenech, MD, PhD, and Veronique Eder, MD, PhD, Tours, France

Midkine is expressed by infiltrating macrophages in in-stent restenosis in hypercholesterolemic rabbits
Hiroshi Narita, MD, Sen Chen, PhD, Kimihiro Komori, MD, PhD, and Kenji Kadomatsu, MD, PhD, Nagoya, Japan

CASE REPORTS

Endovascular abdominal aortic aneurysm repair complicated by spondylodiscitis and iliaco-enteral fistula
Heleen D. de Koning, MSc, Steven M. M. van Sterkenburg, MD, Maurice E. N. Pierie, MD, and Michel M. P. J. Reijnen, MD, PhD, Arnhem, The Netherlands

Difficulties with endograft sizing in a patient with traumatic rupture of the thoracic aorta: The possible influence of hypovolemic shock
Joffrey van Prehn, MD, Joost A. van Herwaarden, MD, PhD, Bart E. Muhs, MD, PhD, Adam Arnofsky, MD, Frans L. Moll, MD, PhD, and Hence J. M. Verhagen, MD, PhD, Utrecht and Rotterdam, The Netherlands; Manhasset, NY; and New Haven, Conn

Surgical repair of left internal jugular phlebectasia
Tawny Hung, BSc, and Andrew Iain Campbell, MD, Vancouver, British Columbia, Canada

Endovascular radiofrequency ablation: A novel treatment of venous insufficiency in Klippel-Trenaunay patients
Krista Frasier, BS, RVT, Gary Giangola, MD, Robert Rosen, MD, and Daniel T. Ginat, MD, MS, New York City, NY

Intravenous lobular capillary hemangioma originating in the iliac veins: A case report
Sanjeev Pradhan, MD, Herman Bazan, MD, Ronald Salem, MD, and Richard J. Gusberg, MD, New Haven, Conn; and New Orleans, La

VASCULAR IMAGES

The hypothenar hammer syndrome
Bijan Modarai, PhD, MRCS (Ed&Eng), and Andrew McIrvine, FRCS, Kent, United Kingdom

SPECIAL COMMUNICATIONS

Twentieth anniversary of American Vascular Association/Lifeline Foundation: A celebration
William H. Pearce, MD, John A. Mannick, MD, Alexander W. Clowes, MD, and James S. T. Yao, MD, PhD, Chicago, Ill; Boston, Mass; and Seattle, Wash
**The Claudication: Exercise Vs. Endoluminal Revascularization (CLEVER) study: Rationale and methods**

Timothy P. Murphy, MD, Alan T. Hirsch, MD, John J. Ricotta, MD, Donald E. Cutlip, MD, Emile Mohler, MD, Judith G. Regensteiner, PhD, Anthony J. Comerota, MD, and David J. Cohen, MD, on behalf of the CLEVER Steering Committee, Providence, RI; Minneapolis, Minn; Stony Brook, NY; Boston, Mass; Philadelphia, Pa; Denver, Colo; Toledo, Ohio, and Kansas City, Mo

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Stewart R. Walsh, MRCSEd, Jonathan R. Boyle, FRCS, Andrew G. Lynch, PhD, Umar Sadat, MRCS, Jeffrey P. Carpenter, MD, Tjun Y. Tang, MRCS, and Michael E. Gaunt, FRCS, Cambridge, United Kingdom; Philadelphia, Pa

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Ilias Dalainas, MD, PhD, AFICA, Milan, Italy

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Sailen Naidu, MD, Phoenix, Ariz

Regarding “Screening for abdominal aortic aneurysm in Canada”

Hisato Takagi, MD, PhD, Norikazu Kawai, MD, and Takuya Umemoto, MD, PhD, Shizuoka, Japan

Regarding “A novel molecular mechanism to account for the action of simvastatin against limb ischemia”

Hamid Namazi, MD, Shiraz, Iran

Reply

Cuneyt Koksoy, MD, Ankara, Turkey

Regarding “Vascular abnormalities in patients with neurofibromatosis syndrome type I: Clinical spectrum, management, and results”

John B. Chang, MD, and L. Michael Graver, MD, New Hyde Park, New York

Reply

Gustavo S. Oderich, MD, Minneapolis, Minn

Regarding “Patterns of in-stent restenosis after carotid artery stenting: Classification and implications for long term outcome”

Gert J. de Borst, MD, PhD, and Frans L. Moll, MD, PhD, Utrecht, The Netherlands

Reply

Brajesh K. Lal, MD, Newark, NJ
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