CLINICAL RESEARCH STUDIES

Radiation burden of patients undergoing endovascular abdominal aortic aneurysm repair
John A. Kalef-Ezra, PhD, Stratos Karavasilis, MSc, D. Ziogas, MD, D. Dristiliaris, MSc, L. K. Michalis, MD, and M. Matsagas, MD, Ioannina, Greece

Invited Commentary: Daniel Clair, Cleveland, Ohio

A multicenter randomized trial of cryo stripping versus conventional stripping of the great saphenous vein
Lukla Biasi, MD, Tahir Ali, MBChB, MRCS, Lakshmi Arumagum Ratnam, MRCP, FRCR, Rob Morgan, MBBS, MRCP, FRCR, Ian Loftus, MBBS, FRCS, MD, and Matt Thompson, MA, MBBS, FRCS, MD, London, United Kingdom

Chronic kidney disease classification stratifies mortality risk after elective stent graft repair of the thoracic aorta
Massimiliano M. Marrocco-Trischitta, MD, PhD, Germano Melissano, MD, Andrea Kahlberg, MD, Giliola Calori, MD, Francesco Setacci, MD, and Roberto Chiesa, MD, Milan, Italy

Spinal cord ischemia after TEVAR in patients with abdominal aortic aneurysms
Daniel J. Martin, MD, Tomas D. Martin, MD, Philip J. Hess, MD, Michael J. Daniels, ScD, Robert J. Feezor, MD, and W. Anthony Lee, MD, Gainesville, Fla

Invited Commentary: Michel S. Makaroun, MD, Pittsburgh, Pa

TEVAR following prior abdominal aortic aneurysm surgery: Increased risk of neurological deficit
Felix J. V. Schlösser, MD, Hence J. M. Verhagen, MD, PhD, Peter H. Lin, MD, Eric L. G. Verhoeven, MD, PhD, Joost A. van Herwaarden, MD, PhD, Frans L. Moll, MD, PhD, and Bart E. Muhs, MD, PhD, New Haven, Conn; Houston, Tex; Rotterdam, Utrecht, and Groningen, The Netherlands

Cover Image: See Vascular Images, page 497
Carotid artery stenting is safe and associated with comparable outcomes in men and women
Lee J. Goldstein, MD, Habib U. Khan, MD, Elliot B. Sambol, MD, K. Craig Kent, MD, Peter L. Faries, MD, and Ageliki G. Vouyouka, MD, New York, NY; Madison, Wis

Outcomes of carotid artery stenting and endarterectomy in the United States
Todd R. Vogel, MD, MPH, Viktor Y. Dombrovskiy, MD, PhD, MPH, Paul B. Haser, MD, James C. Scheirer, PhD, and Alan M. Graham, MD, New Brunswick, NJ

Outcomes after carotid endarterectomy: Is there a high-risk population? A National Surgical Quality Improvement Program report
Jeanwan L. Kang, MD, Thomas K. Chung, MA, Robert T. Lancaster, MD, Glenn M. LaMuraglia, MD, Mark F. Conrad, MD, and Richard P. Cambria, MD, Boston, Mass

Feasibility of simultaneous pre- and postfilter transcranial Doppler monitoring during carotid artery stenting
Zsolt F. Garami, MD, Jean Bismuth, MD, Kristofer M. Charlton-Ouw, MD, Mark G. Davies, MD, PhD, MBA, Eric K. Peden, MD, and Alan B. Lumsden, MD, Houston, Tex

Echolucent femoral plaques entail higher risk of echolucent carotid plaques and a more severe inflammatory profile in peripheral arterial disease
Giusey Sirico, MD, Gregorio Brevetti, MD, Simona Lanero, MD, Eugenio Laurenzano, MD, Rossella Luciano, MD, and Massimo Chiariello, MD, Naples, Italy

Long-term experience in autologous in vitro endothelialization of infrainguinal ePTFE grafts
Manfred Deutsch, MD, Johann Meinhart, PhD, Peter Zilla, MD, PhD, Norbert Howanietz, MD, Michael Gorlitzer, MD, Alexander Froeschl, MD, Andreas Stuempflen, MD, Deon Bezuidenhout, PhD, and Martin Grabenwoeger, MD, Vienna, Austria; and Cape Town, South Africa

Supervised exercise therapy for intermittent claudication in daily practice
Lotte M. Kruidenier, MD, Saskia P. Nicolai, MD, Erik J. Hendriks, MD, PhD, Ewald C. Bollen, MD, PhD, Martin H. Prins, MD, PhD, and Joep A. W. Teijink, Heerlen and Maastricht, The Netherlands

Clinical validity of a disease-specific health status questionnaire: The Peripheral Artery Questionnaire
Sanne E. Hoeks, MSc, Kim G. Smolders, MSc, Wilma J. M. Scholte op Reimer, PhD, Hence J. M. Verhagen, MD, PhD, John A. Spertus, MD, PhD, and Don Poldermans, MD, Rotterdam, The Netherlands

The brachial artery: A critical access for endovascular procedures
Javier A. Alvarez-Tostado, MD, Mireille A. Moise, MD, James F. Bena, MS, Mircea L. Pavkov, MD, Roy K. Greenberg, MD, Daniel G. Clair, MD, and Vikram S. Kashyap, MD, Cleveland, Ohio

Left renal vein transposition for nutcracker syndrome
Nanette R. Reed, MD, Manju Kalra, MBBS, Thomas C. Bower, MD, Terri J. Vrtiska, MD, Joseph J. Ricotta II, MD, and Peter Gloviczki, MD, Rochester, Minn
Dose-response of compression therapy for chronic venous edema—higher pressures are associated with greater volume reduction: Two randomized clinical studies

Wolfgang Vanscheidt, MD, Alexandra Ukat, MD, and Hugo Partsch, MD, Freiburg, Germany; and Vienna, Austria

A randomized trial of cryo stripping versus conventional stripping of the great saphenous vein

Taco M. A. L. Klem, MD, J. Marco Schnater, MD, PhD, P. Ronald Schütte, MD, Wim Hop, MSc, PhD, Arie C. van der Ham, MD, PhD, and Cornelis H. A. Wittens, MD, PhD, Rotterdam, Amsterdam, and Dordrecht, The Netherlands

The use of retrievable inferior vena cava filters in severely injured military trauma patients

Owen N. Johnson III, MD, David L. Gillespie, MD, Gilbert Aidinian, MD, Paul W. White, MD, Eric Adams, MD, and Charles J. Fox, MD, Washington, DC, and Bethesda, Md

Posttraumatic edema of the lower extremities: evaluation of the lymphatic vessels with magnetic resonance lymphangiography

Christian Lohrmann, MD, Gregor Pache, MD, Gunter Felmerer, MD, Etelka Foeldi, MD, Oliver Schaefer, PhD, MD, and Mathias Langer, MD, Freiburg and Hinterzarten, Germany

Transposition of radial artery for reduction of excessive high-flow in autogenous arm accesses for hemodialysis

Pierre Bourquelot, MD, Julien Gaudric, MD, Luc Turmel-Rodrigues, MD, Gilbert Franco, MD, Olivier Van Laere, MD, and Alain Raynaud, MD, Paris and Neuilly sur Seine, France

Patients with intralesional hemorrhage in venous malformations: Diagnosis and embolosclerotherapy

Hui Chen, MD, Xiaoxi Lin, MD, Yunbo Jin, MD, Wei Li, MD, Gang Ma, MD, and Xiaojie Hu, MD, Shanghai, China

Invited Commentary: Byung-Boong Lee, MD, Reston, Va

Plasma N-terminal pro-B-type natriuretic peptide as a predictor of perioperative and long-term outcome after vascular surgery

Olaf Schouten, MD, Sanne E. Hoeks, MSc, Dustin Goei, MSc, Jeroen J. Bax, MD, PhD, Hence J. M. Verhagen, MD, PhD, and Don Poldermans, MD, PhD, Rotterdam and Leiden, The Netherlands

BASIC RESEARCH STUDIES

Vessel asymmetry as an additional diagnostic tool in the assessment of abdominal aortic aneurysms

Barry J. Doyle, B.Eng, Anthony Callanan, B.Eng, Paul E. Burke, FRCS, Pierce A. Grace, FRCSI, Michael T. Walsh, PhD, David A. Vorp, PhD, and Timothy M. McGloughlin, PhD, Limerick, Ireland; and Pittsburgh, Pa
Proteomic identification of differentially expressed proteins in aortic wall of patients with ruptured and nonruptured abdominal aortic aneurysms

Sigitas Urbonavicius, MD, PhD, Jes S. Lindholt, MD, PhD, Henrik Vorum, MD, PhD, Grazina Urbonaviciene, MD, Eskild W. Henneberg, MD, and Bent Honoré, MD, Dr Med Sci, Viborg and Aarhus C, Denmark

Limb ischemia after iliac ligation in aged mice stimulates angiogenesis without arteriogenesis

Tormod S. Westvik, MD, Tamara N. Fitzgerald, MD, PhD, Akihito Muto, MD, PhD, Stephen P. Maloney, MD, Jose M. Pimiento, MD, Tiffany T. Fancher, MD, Dania Magri, BS, Hilde H. Westvik, MD, Toshiya Nishibe, MD, PhD, Omaida C. Velazquez, MD, and Alan Dardik, MD, PhD, New Haven, West Haven, and Waterbury, Conn; Aichi, Japan; Miami, Fla

CASE REPORTS

Middle mesenteric artery arising from an inflammatory infrarenal aortic aneurysm

Andrea M. Dirrigl, MD, Alexander Zimmermann, MD, Stefan Ockert, MD, and Hans-Henning Eckstein, MD, Munich, Germany

Paraplegia as a symptom of failure after endovascular therapy of type B aortic dissection in Marfan syndrome

Jean Marzelle, MD, Matthias Kirsch, MD, Boyan Tzvetkov, MD, and Jean-Pierre Becquemin, MD, Creteil, France

Gluteopopliteal bypass for a compromised groin

Tjeerd S. Aukema, MD, and Dink A. Legemate, MD, PhD, Amsterdam, The Netherlands

Extraluminal lipoma with common femoral vein obstruction: A cause of chronic venous insufficiency

Antonios P. Gasparis, MD, Stylianos Tsintzilonis, MD, and Nicos Labropoulos, PhD, Stony Brook, NY

Erosion of elephant trunk Dacron graft limb by thoracic endograft causing acute aneurysm expansion

John W. Fehrenbacher, MD, and Robert A. McCready, MD, Indianapolis, Ind

Ruptured aneurysm of the ulnar artery in a woman with neurofibromatosis

Hubert Scheuerlein, MD, Nikolaos Ispikoudis, MD, Rotraud Neumann, MD, and Utz Settmacher, MD, PhD, Jena, Germany

VASCULAR IMAGES

Repair of multiple right renal artery aneurysms with associated fibromuscular dysplasia in a solitary kidney

Randall R. De Martino, MD, and David H. Stone, MD, Lebanon, NH
SPECIAL COMMUNICATION

Updated terminology of chronic venous disorders: The VEIN-TERM transatlantic interdisciplinary consensus document
Bo Eklof, MD, PhD, Michel Perrin, MD, Konstantinos T. Delis, MD, MS, PhD, Robert B. Rutherford, MD, and Peter Gloviczki, MD, Helsingborg, Sweden; Lyon, France; Marousi and Larissa, Greece; Denver, Colo; and Rochester, Minn

REVIEW ARTICLES

The role of progenitor cells in the development of intimal hyperplasia
Shirling Tsai, MD, Jason Butler, PhD, Shahin Rafii, MD, Bo Liu, PhD, and K. Craig Kent, MD, New York, NY

Reinterventions for nonocclusive iliofemoral venous stent malfunctions
Seshadri Raju, MD, Paul Tackett Jr, BS, and Peter Neglen, MD, PhD, Jackson and Flowood, Miss

PRESIDENTIAL ADDRESS

Presidential address: Time to lead!
Daniel B. Walsh, MD, Lebanon, NH

VASCULAR AND ENDOVASCULAR TECHNIQUES

Tips and tricks for avoiding access problems when using large sheath endografts
Brian G. Peterson, MD, and Jon S. Matsumura, MD, St. Louis, Mo; and Chicago, Ill

PRACTICE MANAGEMENT

Changing demographics in patients with vascular disease
Christopher J. Kwolek, MD, and G. Patrick Clagett, MD, Boston, Mass; Dallas, Tex

CPT ADVISOR

Transposition of radial artery for reduction of excessive high-flow in autogenous brachial-cephalic and brachial-basilic upper arm accesses for hemodialysis
Sean P. Roddy, MD, Albany, NY

Carotid artery stenting is safe and associated with comparable outcomes in men and women
Sean P. Roddy, MD, Albany, NY

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