**Stroke: Highlights of Selected Articles**

**Major Clinical Trials**

Desmoteplase 3 to 9 Hours After Major Artery Occlusion Stroke: The DIAS-4 Trial (Efficacy and Safety Study of Desmoteplase to Treat Acute Ischemic Stroke)

Rüdiger von Kummer, Prof Dr med; Eisuro Mori, MD; Thomas Truelsen, MD; Jens-Kristian S. Jensen, MSc; Björn A. Grønning, MD; Jochen B. Fiebach, Prof Dr med; Karl-Olof Lovblad, Prof Dr med; Salvador Pedraza, MD, PhD; Javier M. Romero, MD; Hugues Chabriat, MD, PhD; Ku-Chou Chang, MD; Antoni Dávalos, MD, PhD; Gary A. Ford, FRCP; James Grotta, MD; Markku Kaste, MD, PhD; Lee H. Schwamm, MD; Ashfaq Shuaib, MD, FRCP; Gregory W. Albers, MD; for the DIAS-4 Investigators

Results of the ICTuS 2 Trial (Intravascular Cooling in the Treatment of Stroke 2)

Patrick Lyden, MD; Thomas Hemmen, MD, PhD; James Grotta, MD; Karen Rapp, BSN; Karin Ernstson, MS; Teresa Rzesiewicz, MSN; Stephanie Parker, MSN; Mauricio Concha, MD; Syed Hussain, MD; Sachin Agarwal, MD; Brett Meyer, MD; Julie Jurf, MSN; Irfan Altafullah, MD; Rema Raman, PhD

Original Contributions

**Clinical Sciences**

Altered Expression of Long Noncoding RNAs in Blood After Ischemic Stroke and Proximity to Putative Stroke Risk Loci

Cheryl Dykstra-Aiello, BS; Glen C. Jackling, MD; Bradley P. Ander, PhD; Natasha Shroff, BS; Xinhua Zhan, MD, PhD; DaZhi Liu, PhD; Heather Hull, BS; Miles Orantia, BS; Boryana S. Stamova, PhD; Frank R. Sharp, MD

Linkage and Association Analysis Identifies TRAF1 Influencing Common Carotid Intima–Media Thickness

Nicole Heßler, MSc; Marie Henrike Geisel, MSc; Stefan Coassin, PhD; Raimund Erbel, MD; Stefanie Heißmann, PhD; Frauke Hannig, MSc; Barbara Hoffmann, MD; Karl-Heinz Jöckel, PhD; Susanne Moebs, PhD; Susanna Moskau-Hartmann, MD; Gudrun Nürnberg, MSc; Peter Nürnberg, PhD; Maren Vens, PhD; Thomas Klockgether, MD; Florian Kronenberg, MD; André Scherag, PhD; Andreas Ziegler, PhD

Menopausal Hot Flashes and Carotid Intima Media Thickness Among Midlife Women

Rebecca C. Thurston, PhD; Yuefang Chang, PhD; Emma Barinas-Mitchell, PhD; J. Richard Jennings, PhD; Doug P. Landsittel, PhD; Nanette Santoro, MD; Roland von Känel, MD; Karen A. Matthews, PhD

Effect of Exhaust- and Nonexhaust-Related Components of Particulate Matter on Long-Term Survival After Stroke

Anita Desikan, MSc; Siobhan Crichton, PhD; Uy Hoang, MPH, MBBS, MD; Benjamin Barratt, PhD; Sean D. Beevers, PhD; Frank J. Kelly, PhD; Charles D.A. Wolfe, MD

Impact of Clinical Trial Results on the Temporal Trends of Carotid Endarterectomy and Stenting From 2002 to 2014

Mohamad A. Hussain, MD; Muhammad Mamdani, PharmD, MA, MPH; Jack V. Tu, MD, PhD; Gustavo Saposnik, MD, MSc; Zeyad Khousshal, MBBS, MPH; Badr Aljabri, MD; Subdoh Verma, MD, PhD; Mohammed Al-Omran, MD, MSc

This article contains online supplementary information that is available at http://stroke.ahajournals.org/
Power of an Adaptive Trial Design for Endovascular Stroke Studies: Simulations Using IMS (Interventional Management of Stroke) III Data
Maarten G. Lansberg, MD; Ninad S. Bhat, MD; Sharon D. Yeatts, MS, PhD; Yoko Y. Palesch, PhD; Joseph P. Broderick, MD; Gregory W. Albers, MD; Tze L. Lai, PhD; Philip W. Lavori, PhD ........................................... 2931

Insulin Resistance Is a Risk Factor for Silent Lacunar Infarction
Ji Eun Lee, MD, MPH; Dong Wook Shin, MD, PhD; Jae Moon Yun, MD, MPH; Sang Hyuck Kim, MD; You-Seon Nam, MD; BeLong Cho, MD, MPH; Jae-Sung Lim, MD; Han-Yeong Jeong, MD; Hyung-Min Kwon, MD, PhD; Jin-Ho Park, MD, PhD .................................................. 2938

Dissociation of Early and Delayed Cerebral Infarction After Aneurysmal Subarachnoid Hemorrhage
Oliver G.S. Ayling, MD, MSc; George M. Ibrahim, MD, PhD; Naif M. Alotaibi, MD; Peter A. Gooderham, MD; R. Loch Macdonald, MD, PhD ................................................................. 2945

Combined Effects of Inflammatory Status and Carotid Atherosclerosis: A 12-Year Follow-Up Study
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Effect of Right Insular Involvement on Death and Functional Outcome After Acute Ischemic Stroke in the IST-3 Trial (Third International Stroke Trial)
Luciano A. Sposato, MD, MBA; Geoffrey Cohen, MSc; Joanna M. Wardlaw, MD; Peter Sandercoc, DM; Richard I. Lindley, MD; Vladimir Hachinski, CM, MD, FRCP, DSC; on behalf of the IST-3 Expert Reading Panel and the IST-3 Collaborative Group ................................................ 2959

Optimal Computed Tomographic Perfusion Scan Duration for Assessment of Acute Stroke Lesion Volumes
Aimen S. Kasasbeh, MD, PhD; Søren Christensen, PhD; Matus Straka, PhD; Nishant Mishra, MD, PhD; Michael Mlynash, MD, PhD; Roland Bammer, PhD; Gregory W. Albers, MD; Maarten G. Lansberg, MD, PhD .......................................................... 2966

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Kilian M. Treurniet, MD, MSc; Albert J. Yoo, MD; Olvert A. Berkhemer, MD, MSc; Hester F. Lingsma, PhD; Anna M.M. Boers, MSc; Puck S.S. Fransen, MD, MSc; Debbie Beumer, MD, MSc; Lucie A. van den Berg, MD, MSc; Marieke E.S. Sprengers, MD, PhD; Sjoerd F.M. Jenniskens, MD; Geert J. Lycklama A Nijeholt, MD, PhD; Marianne A.A. van Walderveen, MD, PhD; Joseph C.J. Bot, MD, PhD; Ludo F.M. Beenen, MD; René van den Berg, MD, PhD; Win H. van Zwam, MD, PhD; Aad van der Luijt, MD, PhD; Robert J. van Oostenbrugge, MD, PhD; Diederik W.J. Dippel, MD, PhD; Yvo B.W.E.M. Roos, MD, PhD; Henk A. Marquering, PhD; Charles B.L.M. Majoie, MD, PhD; on behalf of the MR CLEAN Investigators ............................................. 2972

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Patrick Lyden, MD; Sara Weyser, BS; Chris Coffey, PhD; Merit Cudkowicz, MD, MSc; Samantha Berg, BA; Sarah O’Brien, MPH; Marc Fisher, MD; E. Clarke Haley, MD; Pooja Khatri, MD, MSc; Jeff Saver, MD; Steven Levine, MD; Howard Levy, MD, PhD; Marilyn Rymer, MD; Lawrence Wessler, MD; Ashutosh JadHAV, MD, PhD; Elizabeth McNeil, MD, MSc; Salina Waddy, MD; Kent Pryor, PhD .......................................................... 2979

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Syed F. Ali, MD; Khawaja Siddiqui, MD; Hakan Ay, MD; Scott Silverman, MD; Aneesh Singhal, MD; Anand Viswanathan, MD, MPH; Natalia Rost, MD, MPH; Michael Lev, MD; Lee H. Schwamm, MD, CME ................................................ 2986

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Maurizio Acampa, MD, PhD; Pietro Enea Lazzerini, MD; Giuseppe Martini, MD

Corrections

On the cover: The image is taken from an article in this issue, “Histopathologic Analysis of Retrieved Thrombi Associated With Successful Reperfusion After Acute Stroke Thrombectomy” by Hashimoto et al (Stroke. 2016;47:3035–3037). The image is Figure A and B.
The online version of this article, along with updated information and services, is located on the World Wide Web at:

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