Contents

Editorial
1 Nothing changes on New Year’s day
R W Tarr

Standards
3 Standard of practice: embolization of spinal arteriovenous fistulae, spinal arteriovenous malformations, and tumors of the spinal axis

Hemorrhagic stroke
6 Dural arteriovenous fistulae in pediatric patients: associated conditions and treatment outcomes
B P Walcott, E R Smith, R M Scott, D B Orbach

10 Pial arteriovenous fistulae in pediatric patients: associated syndromes and treatment outcome
B P Walcott, E R Smith, R M Scott, D B Orbach

15 Stent assisted coil embolization of unruptured middle cerebral artery aneurysms
J D Fields, L Brambrink, A Dogan, E K Helseth, K C Liu, D S Lee, G M Nesbit, B D Petersen, S L Barnwell

20 A checklist for cerebral aneurysm embolization complications
M Chen

28 Current endovascular treatment options of dural venous sinus thrombosis: a review of the literature
N B Gala, N Agarwal, J Barrese, C D Gandhi, C J Prestigiacomo

Ischemic stroke
35 Factors associated with rapid neurological improvement 24 h following intra-arterial thrombolytic treatment for acute ischemic stroke
G Christofondis, Y M Mohammad, M Khadir, M Yang, A P Shivka

40 Safety and effectiveness of emergency carotid artery stenting for a high-grade carotid stenosis with intraluminal thrombus under proximal flow control in hyperacute and acute stroke
T Iwata, T Mori, H Tajiri, Y Miyazaki, M Nakazaki

New devices
45 Estimating the proportion of intracranial aneurysms likely to be amenable to treatment with the pipeline embolization device
W Brinkley, H J Clef, D Fiorella, G Lanuzo, D F Kalines

49 Mechanical thrombectomy as first-line treatment for venous sinus thrombosis: technical considerations and preliminary results using the AngioJet device
S R Dashti, Y C Hu, T Yao, D Fiorella, A P Mitka, F C Albuquerque, C G McDougall

54 Complex shaped detachable platinum coil system for the treatment of cerebral aneurysms: The Codman Trufill DCS and Trufill DCS Orbit Detachable Coil System COMPLEX Registry final results
B R Benfoc, R J Rahme, for the Complex Registry Group

Clinical neurology
62 Dural venous sinus angioplasty and stenting for the treatment of idiopathic intracranial hypertension
J D Fields, P P Javedani, J Falaradeau, G M Nesbit, A Dogan, E K Helseth, K C Liu, S L Barnwell, B D Petersen

Neuroimaging
69 Frameless multimodal image guidance of localized conversion-enhanced delivery of therapeutics in the brain
I M van der Bom, R P Moser, G Gao, M Sena-Esteves, N Aronin, M J Counts

Copyright: © 2013 Society of NeuroInterventional Surgery. All rights reserved; no part of this publication may be reproduced, stored in a retrieval system or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise without prior permission. Published by BMJ Publishing Group Ltd, Tavistock Square, London, WC1H 9JR, UK. Issn: 1759-8478 (Print) Issn: 1759-8486 (online). This journal is a member of and subscribes to the principles of the Committee on Publication Ethics and is distributed in the USA by Air Business Ltd. Periodical postage paid at Jamaica NY 11431. POSTMASTER: send address changes to Journal of NeuroInterventional Surgery, Air Business Ltd, c/o Wardtree Shipping Inc., 156-15, 146th Avenue, 2nd Floor, Jamaica, NY 11434, USA. This article has been chosen by the Editor to be of special interest or importance and is freely available online. This article has been made freely available online under the BMJ Journals Open Access scheme. See http://jnis.bmj.com/site/about/guidelines.xhtml#open-access. This journal is a member of and subscribes to the principles of the Committee on Publication Ethics.
Initial experience with a combined multidetector CT and biplane digital subtraction angiography suite with a single interactive table for the diagnosis and treatment of neurovascular disease
J J Gemmete, N Chaudhary, A S Pandey, Y Oweis, B G Thompson, C O Maher, D Gandhi, S A Ansari

Cyberknife radiosurgery in treating trigeminal neuralgia
B M Lazzara, O Ortiz, R Bordia, M R Witten, J A Haas, A J Katz, J A Brown

Ready or not! Here comes ICD-10
L Manchikanti, F J E Falco, J A Hirsch

Book review

Socioeconomics

PostScript