

Cover image: Examples of volume of interest imaging with truncation correction and without with metal artifact correction.

Editor

Robert W Tarr

Associate Editors

Felipe Albuquerque

Michael Chen

Dave Fiorella

Rishi Gupta

Joshua Hirsch

Italo Linfante

William Mack

J Mocco

Ansaar Rai

Associate Editor, Basic Science

Matthew Gounis

Assistant Editors, Social Media

Andrew Ducruet

Kyle Fargen

SNIS Executive Director

Marie Williams

Editorial Office

Journal of NeuroInterventional Surgery BMJ

Publishing Group Ltd

BMA House

Tavistock Square

London, WC1H 9JR, UK

T: +44 (0)20 7383 6170

E: info.jnis@bmjgroup.com

Guidelines for authors and reviewers

Full instructions are available online at <http://JNIS.bmj.com/fora>. Articles must be submitted electronically <http://mc.manuscriptcentral.com/jnis>. Authors retain copyright but are required to grant JNIS an exclusive licence to publish <http://JNIS.bmj.com/fora/licence.dtl>

ISSN: 1759-8478 (print)

ISSN: 1759-8486 (online)

Twitter: @JNIS_BMJ

Disclaimer: While every effort is made by the publishers and editorial board to see that no inaccurate or misleading data, opinions, or statements appear in this Journal, they wish to make it clear that the data and opinions appearing in the articles and advertisements herein are the responsibility of the contributor or advertiser concerned.

Accordingly, the publishers and the Society of NeuroInterventional Surgery, the editorial committee and their respective employees, officers and agents, accept no liability whatsoever for the consequences of any such inaccurate or misleading data, opinion or statement. While every effort is made to ensure that drug doses and other quantities are presented accurately, readers are advised that new methods and techniques involving drug usage, described within this Journal, should only be followed in conjunction with the drug manufacturer's own published literature.

Copyright: © 2016 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.

Journal of NeuroInterventional Surgery is published by BMJ Publishing Group Ltd, typeset by Nova Techset Private Limited, Bengaluru & Chennai, India and printed in the UK on acid free paper
Journal of NeuroInterventional Surgery (ISSN 1759-8478) is published monthly by BMJ Publishing Group and is distributed in the USA by Air Business Ltd. Periodicals postage paid at Jamaica NY 11431. POSTMASTER: send address changes to *Journal of NeuroInterventional Surgery*, Air Business Ltd, c/o Worldnet Shipping Inc., 156-15, 146th Avenue, 2nd Floor, Jamaica, NY 11434, USA.

Contents

Volume 8 Issue 11 | JNIS November 2016

Editor's column

1095 Supplementing mechanical thrombectomy with neuroprotection

W J Mack

Commentaries

1097 Operator for stroke interventions

G Vidal, J Milburn

1099 Shifting bottlenecks in acute stroke treatment

M Goyal, A P Jadhav, A T Wilson, R G Nogueira, B K Menon

Ischemic stroke

1101 Anesthetic variation and potential impact of anesthetics used during endovascular management of acute ischemic stroke

C Sivasankar, M Stiefel, T A Miano, G Kosiratna, S Yandrawathana, R Hurst, W A Koflee

1107 Outcomes of endovascular treatment of basilar artery occlusion in the stent retriever era: a systematic review and meta-analysis

K Phan, S Phan, Y R Huo, F Jia, A Mortimer

1116 Comparison of four different collateral scores in acute ischemic stroke by CT angiography

F Seker, A Potreck, M Möhlenbruch, M Bendszus, M Pham

1119 The Capillary Index Score before thrombectomy: an angiographic correlate of favorable outcome

P-E Labeyrie, H Redjem, R Blanc, M-A Labeyrie, B Bartolini, G Ciccio, T Robert, B Gilboa, R Fahed, M Abrivard, M Piotin

1123 Comparison of clinical outcomes in patients with acute ischemic strokes treated with mechanical thrombectomy using either Solumbra or ADAPT techniques

J E D Almandoz, Y Kayan, M L Young, J L Fease, J M Scholz, A M Milner, T H Hehr, P Roohani, M Mulder, R M Tarrel

1129 The impact of evidence: evolving therapy for acute ischemic stroke in a large healthcare system

J R Mascitelli, N Wilson, H Shoirah, R A De Leacy, S V Furtado, S Paramasivam, E K Oermann, W J Mack, S Tuhim, N S Dangayach, S A Meyer, J B Bederson, J Mocco, J T Fifi

1136 Silent ischemic events after Pipeline embolization device: a prospective evaluation with MR diffusion-weighted imaging

L B C Brasiense, M A Stanley, S S Grewal, H J Cloft, E Sauvageau, G Lanzino, D Miller, D F Kallmes, R Hanel

Hemorrhagic stroke

1140 Effect of hemodynamics on outcome of subtotally occluded paraclinoid aneurysms after stent-assisted coil embolization

J Liu, L Jing, C Wang, N Paliwal, S Wang, Y Zhang, J Xiang, A H Siddiqui, H Meng, X Yang

1148 Safety and efficacy of a new prophylactic tirofiban protocol without oral intraoperative antiplatelet therapy for endovascular treatment of ruptured intracranial aneurysms

Xiao-dong Liang, Zi-liang Wang, Tian-xiao Li, Ying-kun He, Wei-xing Bai, Yang-yang Wang, Guo-yu Zhou

Neuroimaging

1154 Vessel wall imaging for intracranial vascular disease evaluation

M Mossa-Basha, M Alexander, S Gaddikeri, C Yuan, D Gandhi

1160 Vessel wall MRI and intracranial aneurysms

P Bhogal, C Uff, H L D Makalanda

1163 Separating the wheat from the chaff: region of interest combined with metal artifact reduction for completion angiography following cerebral aneurysm treatment

E A M Duckworth, C Nickele, S Schafer, S Bauer, B Scholz, L Elijovich, D Hoit, V T Doss, A S Arthur

MORE CONTENTS ►



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>

COPE

Member since 2009

This journal is a member of and subscribes to the principles of the Committee on Publication Ethics

<http://publicationethics.org/>

equator network




When you have finished with this please recycle it

- 1168** Detection and characterization of intracranial aneurysms: a 10-year multidetector CT angiography experience in a large center
J J Heit, R G Gonzalez, D Sabbag, H B Brouwers, E G O Rubiano, P W Schaefer, J A Hirsch, J M Romero

- 1173** Prevalence of dural venous sinus stenosis and hypoplasia in a generalized population
C R Durst, D A Ornan, M A Reardon, P Mehndiratta, S Mukherjee, R M Starke, M Wintermark, A Evans, M E Jensen, R W Crowley, J Gaughen, K C Liu

New devices

- 1178** Emergent mechanical thrombectomy for acute stroke using the Mindframe Capture LP system: initial single-center experience
R Cerejo, S John, A Bauer, M S Hussain, M Bain, P Rasmussen, F Hui, T Masaryk, G Toth
- 1181** Headway Duo microcatheter for cerebral arteriovenous malformation embolization with n-BCA
J J Heit, A G S Faisal, N A Telischak, O Choudhri, H M Do
- 1186** Single-center experience in the endovascular treatment of wide-necked intracranial aneurysms with a bridging intra-/extra-aneurysm implant (pCONus)
S Fischer, A Weber, A Tischert, C Brenke, A Kowoll, W Weber
- 1192** The safety and efficacy of low profile visualized intraluminal support (LVIS) stents in assisting coil embolization of intracranial saccular aneurysms: a single center experience
Z Feng, Y Fang, Y Xu, B Hong, W Zhao, J Liu, Q Huang

- 1197** Intra-aneurysmal hemodynamics: evaluation of pCONus and pCANvas bifurcation aneurysm devices using DSA optical flow imaging
 OPEN ACCESS
M A Pérez, H Henkes, P Bouillot, O Brina, L-A Slater, V M Pereira

Socioeconomics

- 1203** Continuity of care and 30-day readmission for patients evaluated in the emergency room after cerebral aneurysm treatment
K Bekelis, S Missios, T A MacKenzie

Electronic pages

- e43** Successful endovascular stroke therapy in a 103-year-old woman
SoHyun Boo, U B Duru, M S Smith, A T Rai
- e44** A direct aspiration first pass technique for retrieval of a detached coil
N Masahira, T Ohta, N Fukui, T Yanagawa, Y Kondou, M Morimoto, T Ueba
- e45** Posterior reversible encephalopathy syndrome with thalamic involvement during vasopressor treatment of vertebrobasilar vasospasm after subarachnoid hemorrhage
T P Madaelil, R Dhar
- e46** Aberrant cervical vasculature anastomosis as cause of neck pain and successful treatment with embolization technique
L He, T R Ladner, M Cobb, J Mocco
- e47** Pipeline embolization device thrombosis induced peri-construct collateral channels
A H Y Chiu, T R Marotta