



Cover image: In-stent growth visualized with digital subtraction angiography, VasoCT, and histology. From Flood *et al.*, page 118.

Editor

Robert W Tarr

Associate Editors

Felipe Albuquerque
Michael Chen
Dave Fiorella
Rishi Gupta
Joshua Hirsch
Italo Linfante
William Mack
J Mocco
Ansaar Rai

Assistant Editors, Social Media

Kyle Fargen
Brijesh Mehta

Assistant Editor, Point-Counterpoint Section

Kristine Blackham

Assistant Editor, Book Review Section

Albert Yoo

Assistant Editor, Basic Science

Matthew Gounis

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: © 2015 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 Techset, India and printed in the US.

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 7 Issue 2 | JNIS February 2015

Commentaries

79 Endovascular therapy for acute ischemic stroke is indicated and evidence based: a position statement

J Mocco, D Fiorella, K M Fargen, F Albuquerque, M Chen, R Gupta, J A Hirsch, I Linfante, W Mack, A T Rai, R W Tarr

82 A research roadmap of future endovascular stroke trials

R Gupta, A T Rai, J A Hirsch, I Linfante, W Mack, J Mocco, F Albuquerque, M Chen, D Fiorella, R W Tarr

Ischemic stroke

84 A meta-analysis of prospective randomized controlled trials evaluating endovascular therapies for acute ischemic stroke

K M Fargen, D Neal, D J Fiorella, A S Turk, M Froehler, J Mocco

90 Distal aspiration with retrievable stent assisted thrombectomy for the treatment of acute ischemic stroke

W Humphries, D Hoit, V T Doss, L Eljovich, D Frei, D Loy, G Dooley, A S Turk, I Chaudry, R Turner, J Mocco, P Morone, D Fiorella, A Siddiqui, M Mokin, A S Arthur

95 Contemporary therapeutic strategies for occlusion of the artery of Percheron: a review of the literature

X Li, N Agarwal, D R Hansberry, C J Prestigiacomo, C D Gandhi

99 Discharge disposition to skilled nursing facility after endovascular reperfusion therapy predicts a poor prognosis

S R Belagaje, C-H J Sun, R G Nogueira, B A Glenn, L A Wuermsler, V Patel, M R Frankel, A M Anderson, T T Thomas, C M Horn, R Gupta

104 Thrombus density predicts successful recanalization with Solitaire stent retriever thrombectomy in acute ischemic stroke

M Mokin, S Morr, S K Natarajan, N Lin, K V Snyder, L N Hopkins, A H Siddiqui, E I Levy

108 Direct carotid artery puncture access for endovascular treatment of acute ischemic stroke: technical aspects, advantages, and limitations

M Mokin, K V Snyder, E I Levy, L N Hopkins, A H Siddiqui

Basic science

114 Early detachment of the Solitaire stent during thrombectomy retrieval: an in vitro investigation

H-J Kwon, J-Y Chueh, A S Puri, H-S Koh

118 Quantitative analysis of high-resolution, contrast-enhanced, cone-beam CT for the detection of intracranial in-stent hyperplasia

T F Flood, I M J van der Bom, L Strittmatter, A S Puri, G M Hendricks, A K Wakhloo, M J Gounis

New devices

126 Analysis of early angiographic outcome using unique large diameter coils in comparison with standard coils in the embolization of cerebral aneurysms: a retrospective review

J R Mascitelli, A B Patel, M F Polykarpou, A A Patel, H Moyle



EDITOR'S CHOICE



OPEN ACCESS

Scan here to listen to a podcast with Joshua Hirsch, J Mocco and David Fiorella on this issue's Editor's Choice article.

MORE CONTENTS ►



EDITOR'S CHOICE

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>



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

<http://publicationethics.org/>



Receive regular table of contents by email. Register using this QR code.



J NeuroIntervent Surg: first published as on 1 February 2015. Downloaded from <http://JNIS.bmj.com/> on August 10, 2022 by guest. Protected by copyright.

Neuroimaging

- 131** Correlation of clot imaging with endovascular recanalization in internal carotid artery terminus occlusion
M Fujimoto, N Salamon, K Takemoto, H Takao, L Song, S Tateshima, F Viñuela
- 135** Contrast-enhanced time-resolved MRA for pre-angiographic evaluation of suspected spinal dural arterial venous fistulas
A M Saindane, S R Boddu, F C Tong, S Dehkharghani, J E Dion
- 141** Practical techniques for reducing radiation exposure during cerebral angiography procedures
M S Pearl, C Torok, J Wang, E Wyse, M Mahesh, P Gailloud

Clinical Neurology

- 146** Current practice regarding seizure prophylaxis in aneurysmal subarachnoid hemorrhage across academic centers
M C Dewan, J Mocco

Socioeconomics

- 150** Hospital-based financial analysis of endovascular therapy and intravenous thrombolysis for large vessel acute ischemic strokes: the 'bottom line'
A T Rai, K Evans

Electronic pages

- e5** A single burr hole approach for direct transverse sinus cannulation for the treatment of a dural arteriovenous fistula
J M Caplan, I Kaminsky, P Gailloud, J Huang
- e6** Hybrid surgery for dural arteriovenous fistula in the neurosurgical hybrid operating suite
S-C Shen, Y-S Tsuei, W-H Chen, C-C Shen
- e7** Retrograde trans-anterior communicating artery rescue of unopened Pipeline Embolization Device with balloon dilation: complication management
R Navarro, J Yoon, T Dixon, D A Miller, R A Hanel, R G Tawk
- e8** Very late stent thrombosis following the placement of a crossing Y-stent with dual closed-cell stents for the coiling of a wide-necked aneurysm
C-Y Lee, C-H Kim