



Cover image: Depiction of an early step in the "no touch" technique for the antegrade treatment of left common carotid ostial stenosis by Tang, X *et al.*

Editor
Felipe C. Albuquerque

Associate Editors
Michael Chen
David Fiorella
Joshua Hirsch
Italo Linfante
William Mack
J Mocco

Associate Editor, Basic Science
Matthew Gounis

Assistant Editors, Social Media
Reade DeLeacy
Andrew Ducruet
Kyle Fargen
Ashutosh Jadhav

Editor Emeritus
Robert W. Tarr

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: © 2017 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.

Editor's column

111 A broad spectrum
F C Albuquerque

Commentaries

113 Stent retrievers and acute stroke treatment: a rapid learning curve for experienced neurointerventional surgeons
W J Mack

115 Improving the likelihood of manuscript acceptance; a primer for trainees and young investigators
M Chen, F C Albuquerque, J Hirsch, R W Tarr

Ischemic stroke

117 Time to redefine success? TIC1 3 versus TIC1 2b recanalization in middle cerebral artery occlusion treated with thrombectomy
J F Kleine, S Wunderlich, C Zimmer, J Kaesmacher

122 Stroke vision, aphasia, neglect (VAN) assessment—a novel emergent large vessel occlusion screening tool: pilot study and comparison with current clinical severity indices
M S Teleb, A Ver Hage, J Carter, M V Jayaraman, R A McTaggart

127 Clinical diffusion mismatch better discriminates infarct growth than mean transit time–diffusion weighted imaging mismatch in patients with middle cerebral artery–M1 occlusion and limited infarct core
R G Nogueira, A Kemmling, L M Souza, S Payabvash, J A Hirsch, A J Yoo, M H Lev

131 Intra-arterial versus intravenous abciximab therapy for thromboembolic complications of neuroendovascular procedures: case review and meta-analysis
A P Kansagra, J D McEachern, T P Madaelil, A N Wallace, D T Cross III, C J Moran, C P Derdeyn

137 The modified 'no touch' technique in the antegrade endovascular approach for left common carotid artery ostial stenosis stenting
X Tang, W A Long, C Hu, F Tang, Q Wang, L Li

142 A survey of neurointerventionalists on thrombectomy practices for emergent large vessel occlusions
K M Fargen, A S Arthur, A M Spiotta, J Lena, I Chaudry, R D Turner, A S Turk

Hemorrhagic stroke

147 Treatment of complex anterior cerebral artery aneurysms with Pipeline flow diversion: mid-term results
G Dabus, J A Grossberg, C M Cawley, J E Dion, A S Puri, A K Wakhloo, D Gonsales, P Aguilar-Salinas, E Sauvageau, I Linfante, R A Hanel

152 Carotid cavernous fistula after Pipeline placement: a single-center experience and review of the literature
A K Roy, J A Grossberg, J W Osburn, S L Skukalek, B M Howard, F U Ahmad, F Tong, J E Dion, C M Cawley

159 Vein of Galen aneurysmal malformation—clinical and angiographic spectrum with management perspective: an institutional experience
H Agarwal, L J D Sebastian, S B Gaikwad, A Garg, N K Mishra

165 Stent-assisted coiling versus coiling alone of poor-grade ruptured intracranial aneurysms: a multicenter study
B Zhao, X Tan, H Yang, K Zheng, Z Li, Y Xiong, M Zhong, on behalf of AMPAS study group

169 Endovascular treatment of previously clipped aneurysms: continued evolution of hybrid neurosurgery
B A Gross, F C Albuquerque, K Moon, A F Ducruet, C G McDougall



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>



Member since 2009

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

<http://publicationethics.org/>



Neuroimaging

- 173** A new index for the assessment of transverse sinus stenosis for diagnosing idiopathic intracranial hypertension

G B da Silveira Carvalho, S L de Andrade Matas, M H Idagawa, L A T Tibana, R S de Carvalho, M L S Silva, H Cogo-Moreira, A P Jackowski, N Abdala

- 178** Impact of non-contrast enhanced volumetric MRI-based feeder localization in the treatment of spinal dural arteriovenous fistula

S K Kannath, B Thomas, P Sankara Sarma, J Enakshy Rajan

New devices

- 183** An in vitro evaluation of distal emboli following Lazarus Cover-assisted stent retriever thrombectomy

J-Y Chueh, A S Puri, M J Gounis

- 188** Use of Pipeline Flex is associated with reduced fluoroscopy time, procedure time, and technical failure compared with the first-generation Pipeline embolization device

E J Le, T Miller, Y Serulle, R Shivashankar, G Jindal, D Gandhi

Clinical neurology

- 192** Association of thrombelastographic parameters with post-stenting ischemic events

B Wang, X-Q Li, N Ma, D Mo, F Gao, X Sun, X Xu, L Liu, L Song, X-G Li, Z Zhao, X Zhao, Z-R Miao

Head and neck

- 196** Bilateral inferior petrosal sinus sampling: experience in 327 patients

A Deipolyi, A Bailin, J A Hirsch, T G Walker, R Oklu

Basic science

- 200** Statins are not associated with short-term improved aneurysm healing in a rabbit model of unruptured aneurysms

W Brinjikji, D Y Hong, D Dai, D J Schroeder, D F Kallmes, R Kadirvel

- 204** Development of an angiogenesis animal model featuring brain arteriovenous malformation histological characteristics

C Papagiannaki, F Clarençon, S Ponsonnard, C Couquet, F Maizeroi-Eugène, D Bresson, C Yardin, C Mounayer

Socioeconomics

- 211** JNIS podcasts: the early part of our journey

J A Hirsch, K Fargen, A F Ducruet, R W Tarr

- 215** Expanding the social media presence of the *Journal of Neurointerventional Surgery*: editor's report

K M Fargen, A F Ducruet, M Hyer, J A Hirsch, R W Tarr

Electronic pages

- e5** Nitinol clip distal migration and resultant popliteotibial artery occlusion complicating access closure by the StarClose SE vascular closure system

D H Choi, M J Kim, C J Yoo, C W Park

- e6** Late recurrence of a completely occluded large intracranial aneurysm treated with a Tubridge flow diverter

X Zhang, N Lv, C Wang, W Cao, J Liu, Q Huang

- e7** Endovascular treatment of posterior condylar canal dural arteriovenous fistula

V Maus, M Söderman, G Rodesch, C Kabbasch, A Mpotsaris

- e8** Intraventricular thrombolysis after endovascular treatment of a ruptured arteriovenous malformation

A Wang, A Ray, Y C Hu