



Cover image: Coil-in-shell device and histological section of a treated canine bifurcation aneurysm 12 weeks post treatment (left). WEB device and explanted canine bifurcation aneurysm 6 months post treatment (right).

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
Andrew Ducruet
Kyle Fargen

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.

Editor's column

549 Casting a wide net: the unique diversity of neuroendovascular surgery
W J Mack

Ischemic stroke

551 Impact of the ASPECT scores and distribution on outcome among patients undergoing thrombectomy for acute ischemic stroke
A M Spiotta, J Vargas, H Hawk, R Turner, M I Chaudry, H Battenhouse, A S Turk

559 M1 is not M1 in ischemic stroke: the disability-free survival after mechanical thrombectomy differs significantly between proximal and distal occlusions of the middle cerebral artery M1 segment
D Behme, A Kowoll, W Weber, A Mpotsaris

564 Picture-to-puncture time in acute stroke endovascular intervention: are we getting faster?
J van Heerden, B Yan, L Churilov, R J Dowling, P J Mitchell

Hemorrhagic stroke

569 Minimally invasive cone beam CT-guided evacuation of parenchymal and ventricular hemorrhage using the Apollo system: proof of concept in a cadaver model
D Fiorella, A Arthur, S Schafer

574 Posterior circulation flow diversion: a single-center experience and literature review
G Toth, M Bain, M S Hussain, S Moskowitz, T Masaryk, P Rasmussen, F Hui

New devices

584 Preliminary in vivo evaluation of a novel intracranial cerebral aneurysm occlusion device
R Moftekhkar, F Xu, B Aagaard-Kienitz, D W Consigny, J R Grinde, K Hart, C E Flanagan, W C Crone, K S Masters

591 Interobserver variability in the assessment of aneurysm occlusion with the WEB aneurysm embolization system
D Fiorella, A Arthur, J Byrne, L Pierot, A Molyneux, G Duckwiler, T McCarthy, C Strother

Neuroimaging

596 Technical limitations of dual-energy CT in neuroradiology: 30-month institutional experience and review of literature
J Dinkel, O Khalilzadeh, C M Phan, A H Goenka, A J Yoo, J A Hirsch, R Gupta

Head and neck

603 Primary endovascular treatment of post-irradiated carotid pseudoaneurysm at the skull base with the Pipeline embolization device
A C-O Tsang, K-m Leung, R Lee, W-m Lui, G K-K Leung

608 Balloon-augmented Onyx endovascular ligation: initial human experience and comparison with coil ligation
T Osanai, M D Bain, G Toth, M S Hussain, F K Hui

Socioeconomics

614 Analysis of short-term total hospital costs and current primary cost drivers of coiling versus clipping for unruptured intracranial aneurysms
Y Duan, K Blackham, J Nelson, W Selman, N Bambakidis

619 The ICD-10 system: a gift that keeps on taking
J A Hirsch, T M Leslie-Mazwi, G N Nicola, R Oklu, K A Schoppe, E Silva III, L Manchikanti

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 COMMITTEE ON PUBLICATION ETHICS

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

<http://publicationethics.org/>

equator network

recycle
When you have finished with this please recycle it

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



J NeuroIntervent Surg: first published as on 1 August 2015. Downloaded from <http://jnis.bmj.com/> on May 12, 2021 by guest. Protected by copyright.

Electronic pages

- e27** Onyx embolization of an avulsed thalamoperforator following endoscopic colloid cyst and lamina terminalis fenestration

R D Turner, I Chaudry, A Turk, A Spiotta

- e28** Spontaneous closure of a dural arteriovenous fistula

S Al-Afif, M Nakamura, F Götz, J K Krauss

- e29** Immunohistochemical analysis of a ruptured basilar top aneurysm autopsied 22 years after embolization with Guglielmi detachable coils

I Yuki, D Spitzer, G Guglielmi, G Duckwiler, M Fujimoto, H Takao, R Jahan, S Tateshima, Y Murayama, F Vinuela

- e30** Transvenous approach for the treatment of direct carotid cavernous fistula following Pipeline embolization of cavernous carotid aneurysm: a report of two cases and review of the literature

L-M Lin, G P Colby, B Jiang, G Pero, E Boccardi, A L Coon

Correction

- 622** Correction