Cover image: Schematic drawing depicting a model of a vein of Galen malformation from the manuscript by Meila D et al.

Editor
Felicie C. Albuquerque

Associate Editors
Michael Chen
Christophe Cognard
Lucas Eljovitch
David Florella
Joshua Hirsch
William Mack
J Mocco

Associate Editor, Basic Science
Matthew Gounis

Assistant Editors, Social Media
Rusie DeLeacy
Andrew Duncart
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
Tel: +44 (0)20 7339 6170
E: info.jnis@bmjgroup.com

Guidelines for authors and reviewers
Full instructions are available online at http://jnis.bmj.com/infos. 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/forlicence.dfl

ISSN: 1759-8478 (print)
ISSN: 1759-8486 (online)

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, opinions 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 monthly by BMJ Publishing Group Ltd, 200 Theobald’s Road, London, WC1X 8RR. Periodicals postage paid at Jamaica NY 11431. POSTMASTER: send address changes to Journal of NeuroInterventional Surgery, BMJ Publishing Group Ltd, 200 Theobald’s Road, London, WC1X 8RR, USA.

Editor’s column
813 Neurointervention: a call to science
M J Gounis

Commentary
815 Direct to embolectomy without IV tPA: the stage is set for a randomized controlled trial
R V Chandra, T M Leslie-Mazwi, B P Mehta, J A Hirsch

Ischemic stroke
817 Acute Recanalization of Thrombo-Emolic Ischemic Stroke with pReset (ARTESp): the impact of occlusion time on clinical outcome of directly admitted and transferred patients
S Prothmann, B J Schweiger, A S Gersing, W Reith, T Niederstadt, A Felber, W Kure

823 Impact of ASPECT scores and infarct distribution on outcomes among patients undergoing thrombectomy for acute ischemic stroke with the ADAPT technique

830 Thrombectomy in acute ischemic stroke: estimations of increasing demands
A Kuntze Söderqvist, T Anderson, N Ahmed, N Wahlgren, M Kaiser

834 Predictors of false-positive stroke thrombectomy transfers
J Yi, D Zielinski, B Ouyang, J Connors, R Dafer, M Chen

837 The association between carotid intraplaque hemorrhage and outcomes of carotid stenting: a systematic review and meta-analysis
W Bronkip, V T Lehman, J Huston, M H Muraad, G Lanzino, H J Cloft, D F Kalyme

843 Interaction between the stent strut and thrombus characterized by contrast-enhanced high-resolution cone beam CT during deployment of the Solitaire stent retriever
T Tsumoto, Y Tsurusaki, S Tokunaga

New devices
849 Canadian Registry of LVIS Jr for Treatment of Intracranial Aneurysms (CRA)

854 Endovascular treatment of complex intracranial aneurysms using Acandis Acclino stents
F Brassel, D Grieb, D Meila, M Schlunz-Hendann, B Greling, K Melber

Head and neck
860 Endovascular treatment of head and neck arteriovenous malformations: long-term angiographic and quality of life results
D Meila, D Grieb, B Greling, K H Miller, C Jacobs, M Hechtner, T Schmitz, M Schlunz-Hendann, H Lastermann, F Brassel

Clinical neurology
867 Dural sinus stenting for idiopathic intracranial hypertension: factors associated with hemodynamic failure and management with extended stenting
D A Kampe, J Seinfeld, X Huang, Q Mei, D E Case, C D Roark, P S Subramanian, K E Lind, V S Pelak, J L Bennett

Basic science
875 Verapamil eluting stents as a possible treatment for vasospasm after subarachnoid hemorrhage
P Bhambri, A Sarvi, J H Wong, U Sundararaj, A P Mihai

880 Fistulosity-type vein of Galen malformation phantom model for endovascular training and research
D Meila, K Meller, D Grieb, C Jacobs, H Lastermann, F Brassel

Neuroimaging
887 Time-resolved 3D rotational angiography: display of detailed neurovascular anatomy in patients with intracranial vascular malformations
S Lescher, S Gehrisch, S Klein, J Berkefeld

MORE CONTENTS ➤
Pediatric neurointervention: collimation on radiation exposure-associated lifetime excess tumor risk
K Chen, S Paramasivam, A Berenstein

Sacroplasty procedural extravasation with high viscosity bone cement: comparing the intraoperative long-axis versus short-axis techniques in osteoporotic cadavers
J W Miller, A Diani, S Docsa, K Ashton, M Sciamanna

Armband activity monitor data do not correlate with reported pain scores in patients receiving vertebroplasty
J G Peacock, R L Vine, J S McDonald, P J Novotny, D F Kallmes

Integrated live biplane fluoroscopic and cone-beam CT-guided external ventricular drain placement in the neurointerventional suite
A H Y Chiu, T R Marenza, J Spears

Renal cell carcinoma metastasis involving vertebral hemangioma: dual percutaneous treatment by navigational bipolar radiofrequency ablation and high viscosity cement vertebroplasty
J-B Zerlauth, R Meuli, V Dunet

A case of right middle cerebral artery 'tendonectomy' following mitral valve replacement surgery
M C Thomas, J E Delgado Almandoz, A J Todd, M L Young, J L Fease, J M Scholz, A M Milner, M Mulder, Y Kayan

Rete mirabile associated with pial arteriovenous fistula: imaging features with literature review
P K Mondel, R Saraf, U S Limaye