Contents

Volume Issue 3 | JNIS March 2017

Editor’s column
219 Incremental progress
F C Albuquerque

Commentary
220 Proposal for an improved classification system for cavernous sinus dural arteriovenous fistula (CS-DAVF)
J Wenderoth

Ischemic stroke
225 Implications of limiting mechanical thrombectomy to patients with emergent large vessel occlusion meeting top tier evidence criteria

229 Comparison of outcome and interventional complication rate in patients with acute stroke treated with mechanical thrombectomy with and without bridging thrombolysis
R Weber, H Nordsmeyer, J Hadiisyraya, M Hedder, M Stauder, P Stracke, K Berger, R Chopti

234 Lenticulostriate infarctions after successful mechanical thrombectomy in middle cerebral artery occlusion
J F Kleine, E Beller, C Zimmer, J Kaesmacher

240 ASPECTS discrepancies between CT and MR imaging: analysis and implications for triage protocols in acute ischemic stroke
F K Ha, N A Obrechowski, S John, G Toth, I Katzane, D White, C Cheng-Chung, K Uchino, S-M J Man, S Hussain

244 Rescue mechanical thrombectomy using a retrievable stent for thromboembolic occlusion occurring during coil embolization of ruptured intracranial aneurysms
J H Ahn, H S Jun, J H Song, B M Cho, H K Lee, B-C Kim, D-K Hyun, I B Chang

250 Remote aspiration thrombectomy in large vessel acute ischemic stroke
D C Haussen, M Boudama, J A Grossberg, R G Nogueira

253 Active push deployment technique improves stent/vessel-wall interaction in endovascular treatment of acute stroke with stent retrievers
M Wiesmann, M-A Brockmann, S Heninger, M Müller, A Reich, O Nikoubashman

257 Experimental evaluation of stent retrievers’ mechanical properties and effectiveness
P Machi, F Jourdan, D Ambard, C Reynaud, K Lobotes, M Sanchez, A Bonafé, V Costalat

Hemorrhagic stroke
264 Clinical outcome after surgical clipping or endovascular coiling for cerebral aneurysms: a pragmatist meta-analysis of randomized and non-randomized trials with short- and long-term follow-up
A F Delgado, T Andersson, A F Delgado

278 Larger size ratio associated with the rupture of very small (≤3 mm) anterior communicating artery aneurysms
T Xu, B Lin, S Luo, X Shao, N Xia, Y Zhang, H Xu, Y Yang, M Zhong, Q Zhuge, B Zhao, W Chen

283 Use of flow diverters in the treatment of unruptured saccular aneurysms of the anterior cerebral artery
P Bhogal, R M Moreno, O Ganslandt, H Bäzner, H Herbes, M A Perez

Head and neck
290 Novel approaches to access and treatment of cavernous sinus dural arteriovenous fistula (CS-DAVF): case series and review of the literature
J Wenderoth

COPYRIGHT
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, signed by Nova Technofix Private Limited, Bengaluru 560078, India and printed in the UK on acid free paper. Journal of NeuroInterventional Surgery ISSN 1759-8476 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 Worldview Shipping Inc., 15615, 1485 Avenue, 2nd Floor, Jamaica, NY 11434, USA.
### Neuroimaging

- Subjective and objective evaluation of image quality in biplane cerebral digital subtraction angiography following significant acquisition dose reduction in a clinical setting
  - A R Honarmand, A Shabani, T Pashaee, F H Syed, M G Hurley, C L Sammet, M B Potts, B S Jahromi, S A Ansari

- Three-dimensional image fusion of CTA and angiography for real-time guidance during neurointerventional procedures
  - Q Zhang, Q Sun, Y Zhang, H Zhang, T Shan, J Han, W Pan, C Gu, R Xu

### Basic science

- Concomitant coiling reduces metalloproteinase levels in flow diverter-treated aneurysms but anti-inflammatory treatment has no effect
  - E Thilen, M McClure, A Rouchaud, Y-H Ding, D Dai, D Schroeder, J Gobat, D F Kallmes, R Kadivel

- Flow diversion of bifurcation aneurysms is more effective when the jailed branch is occluded: an experimental study in a novel canine model
  - R Fahed, J C Gentric, I Salazkin, G Gevry, J Raymond, T E Darsaut

### Standards

- Initial hospital management of patients with emergent large vessel occlusion (ELVO): report of the standards and guidelines committee of the Society of NeuroInterventional Surgery

### Socioeconomics

- Medicare expenditures for elderly patients undergoing surgical clipping or endovascular intervention for unruptured cerebral aneurysms
  - K Bekelis, D Cotteleer, Y Su, N Labropoulos, G Bovis, M T Lawton, T A MacKenzie

- Developing a statewide protocol to ensure patients with suspected emergent large vessel occlusion are directly triaged in the field to a comprehensive stroke center: how we did it
  - M V Jayaraman, A Iqbal, B Silver, M S Siket, C Amedee, R A Taggart, G Paolucci, J Rhodes, J Povin, M Tucker, N Alexander-Scott

### Electronic pages

- Spontaneous subarachnoid hemorrhage due to ruptured cavernous internal carotid artery aneurysm after medical prolactinoma treatment
  - S S Khalsa, T C Hollow, R Shastri, J D Trobe, J J Gemmete, A S Paudey

- Trigeminocardiac reflex caused by selective angiography of the middle meningeal artery
  - T Tamura, D E Rex, M G Marosfiei, A S Puri, M J Goumsi, A K Wakhloo

- The transclival artery: a variant persistent carotid–basilar arterial anastomosis not previously reported
  - J D Kirkland, B C Dahlin, W T O’Brien

- Transvenous ethanol sclerotherapy of feeding arteries for treatment of a dural arteriovenous fistula