Cover caption: Accumulated packaging waste after a tumor embolization procedure from the manuscript by Shum PL et al.

Editor-in-Chief
Felipe C. Albuquerque

Deputy Editors
David Fiorella
Joshua Hirsch

Commissioning Editor
Michael Chen

Associate Editors
Alessandra Birindelli
Krykle Farge
Jens Falk
Ashraf Janhavi
William Mack
James Milburn
J-Mocco
Gabor Toth
Philip White

Associate Editors, Basic Science
Matthew Sons
David Strassman

Assistant Editors, Social Media
Dorothea Amichl
Reade DeLeacy
Andrew Ducruet
Michael Lovitt

Assistant Editors, Technical Videos
Wolter Bekkers
Maxim Molin

Editor Emeritus
Robert Towner

SNIS Executive Director
Marie Williams

Editorial Office
Journal of NeuroInterventional Surgery (JNIS) Publishing Group Ltd
BMA House
Tavistock Square
London, WC1H 9JR, UK
E: info.jnis@bmj.com

Guidelines for authors and reviewers
Full instructions are available online at http://jnisp.bmj.com/ifora/conditions.dtl

Disclaimer:
The Editor of Journal of NeuroInterventional Surgery has been granted editorial freedom and Journal of NeuroInterventional Surgery is published in accordance with editorial guidelines issued by the World Association of Medical Editors and the Committee on Publication Ethics. Journal of NeuroInterventional Surgery is primarily intended for healthcare professionals and its content is for information only. The journal is published without any guarantee as to its accuracy or completeness and any representations or warranties are expressly excluded to the fullest extent permitted by law. Readers are advised to independently verify any information on which they choose to rely. Acceptance of advertising by Journal of NeuroInterventional Surgery does not imply endorsement. Neither SNIS nor BMA Publishing Group Limited shall have any liability for any loss, injury or damage whatsoever arising from Journal of NeuroInterventional Surgery (except for liability which cannot be legally excluded).

Copyright: © 2020 Society of NeuroInterventional Surgery. All rights reserved. No part of this publication may be reproduced in any form without permission. Journal of NeuroInterventional Surgery, 6(9), 1729–1847. BMA House, Tavistock Square, London WC1H 9JR, UK. The US copyright and serial number is 972713. Artwork and mailing in the USA by agent named Worldnet Shipping Inc., 150 E 144th Avenue, Thornton, Jaffee, Jamaica, NY 11431, USA. Periodicals postage paid at Jamaica, NY 11431.

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://authors.bmj.com/open-access/

Downloaded from http://jnisp.bmj.com/ on 1 November 2020.
Contents

1088 Tandem occlusions in acute ischemic stroke – impact of antithrombotic medication and complementary heparin on clinical outcome and stent patency
U Neuberger, K Moteva, D F Vollherbst, S Schönberger, T Reiff, P A Ringleb, M Bendziszus, J A R Pfiff, M Möhlenbruch

1094 Outcome of endovascular recanalization for intracranial in-stent restenosis
K Kang, F Gao, D Mo, M Yang, Y Liu, B Yang, X Chen, W Gu, G Ma, X Zhao, Z-R Mao, N Ma

1099 Direct aspiration stroke thrombectomy: a comprehensive review
W Buisseau, S Escalard, R Fahed, B Lapergue, S Smajda, B Maier, J P Desilles, F Deboeye, G Ciccio, H Redjem, S Heben, M Ben Maacha, G Walker, B Cory, S Richard, M Mazigle, M Pinin, R Blanc

Hemorrhagic Stroke

1107 Periprocedural to 1-year safety and efficacy outcomes with the Pipeline Embolization Device with Shield technology for intracranial aneurysms: a prospective, post-market, multi-center study
H Rice, M Martinez Caldames, M Hofmannspöter, J Spelle, K Lagos, M Ruggiero, P Vega, H Sonwallar, R Chapot, S Lumin

1113 Safety and efficacy of ticagrelor as single antiplatelet therapy in prevention of thromboembolic complications associated with the Pipeline Embolization Device (PED): multicenter experience
M H Mohammaden, S W English, C J Stapleton, E Khedr, A Shoyb, A Hegazy, A Elbassoumy

1117 Elevation of inflammatory S100A8/S100A9 complexes in intracranial aneurysms
A M de Korte, R Aquarius, T Vogl, J Roth, R H M A Bartels, H D Boogaarts, P L E M van Lent, J De Vries

New Devices and Techniques

1122 Incorporation of transradial approach in neuroendovascular procedures: defining benchmarks for rates of complications and conversion to femoral access

1127 Stenting with Acculon (flex) for symptomatic intracranial stenosis as secondary stroke prevention
I Meyer, H Leischner, G Thomalla, L U Krause, S Lowens, J Rothaupt, U Hanning, J H Halk, H Fiehler, R Chapot, C P Stracke, M Bestor

1132 Initial experience with the Scepter Mini dual-lumen balloon for transpontalmonic artery embolization of anterior cranial fossa dural arteriovenous fistulae
B Pulli, E S Sussman, V Mayerzik, G K Steinberg, H M Do, J J Heit

Neuroimaging

1137 Deep neuromuscular block improves angiographic image quality during endovascular coiling of unruptured cerebral aneurysm: a randomized clinical trial
B Y Kim, S H Chung, S J Park, S H Han, O-K Kwon, J-Y Chung, J-H Kim

1142 Increased focal internal carotid artery angulation in patients with posterior communicating artery aneurysms
R Rosato, G Comptaer, R Mulligan, J M Breton, E Lesha, A Lotic, A M Malek

Technical video

1148 Mechanical thrombectomy of right internal carotid artery terminus occlusion using the ADAPT technique: impact of aspiration on parent vessel
R H Dossani, M K Ts, M Waqas, H H Rai, G B Rajok, A H Siddiqui

Electronic page

e8 Republished: Successful treatment of direct carotid–cavernous fistula in a patient with Ehlers–Danlos syndrome type IV without arterial puncture: the transvenous triple-overlay embolization (TAILOREd) technique
T J Huyyn, R P Morton, M R Levitt, B V Ghodke, O Wink, D K Hallman