



Cover image: Surgical AVM specimen demonstrates a marked eosinophilic infiltrate suggestive of chronic vasculitis. H&E 10X. From Quinn JC *et al*, page 21.

Editor

Robert W Tarr (USA)

Associate Editors

Felipe Albuquerque (USA)

David Fiorella (USA)

Joshua Hirsch (USA)

Charles Prestigiacomo (USA)

Osama Zaidat (USA)

SNIS Executive Director

Marie Williams, CAE

Editorial Office

Journal of NeuroInterventional Surgery

BMJ Publishing Group Ltd

BMA House

Tavistock Square

London, WC1H 9JR, UK

T: +44 (0)20 7383 6170

F: +44 (0)20 7383 6668

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://submit-JNIS.bmj.com>. 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)

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: © 2011 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 TNQ Books & Journals, Chennai, India and printed in the UK on acid-free paper by Latimer Trend & Co Ltd, Plymouth.

Journal of NeuroInterventional Surgery (ISSN 1759-8478) is published quarterly by BMJ Publishing Group and is distributed in the USA by POSTMASTER: Send address changes to Journal of NeuroInterventional Surgery, Mercury International Ltd, 365 Blair Road, Avenel, NJ, 07001, USA.

Editor's column

1 Teach your children
R W Tarr

Editorial

2 Nickel allergy: a reason for concern?
S Jeswani, M J Alexander

Hemorrhagic stroke

5 Cranial dural arteriovenous fistula: transarterial Onyx embolization experience and technical nuances
Y C Hu, C B Newman, S R Dashti, F C Albuquerque, C G McDougall

14 Stent-assisted coiling of paraclinoid aneurysms: risks and effectiveness
C S Ogilvy, S K Natarajan, S Jahshan, Y Karmon, X Yang, K V Snyder, L N Hopkins, A H Siddiqui, E I Levy

21 Vascular inflammation with eosinophils after the use of n-butyl cyanoacrylate liquid embolic system
J C Quinn, N Mittal, A Baisre, E-S Cho, L R Share, C Gandhi, C J Prestigiacomo

25 Endovascular rescue of a misshapen intracranial stent: report of two cases
M Chen, L Goldstein-Smith

27 Salvage Neuroform stent-assisted coiling for recurrent giant aneurysm after waffle-cone treatment
E F Hauck, S K Natarajan, L N Hopkins, E I Levy, A H Siddiqui

30 Endovascular treatment of venous sinus thrombosis: a case report and review of the literature
S M Nimjee, C J Powers, B J Kolls, T Smith, G W Britz, A R Zomorodi

Ischemic stroke

34 Critical care management in acute ischemic stroke
M De Georgia, V Patel

38 Partial recanalization of concomitant internal carotid—middle cerebral arterial occlusions promotes distal recanalization of residual thrombus within 24 h
Y Loh, D S Liebeskind, Z S Shi, R Jahan, N R Gonzalez, S Tateshima, P M Vespa, S Starkman, J L Saver, F Viñuela, G R Duckwiler

43 Blood pressure measurement in the artery proximal and distal to an intra-arterial embolus during thrombolytic therapy
T Sorimachi, K Morita, Y Ito, Y Fujii

47 Stent-assisted basilar reconstruction for a traumatic vertebral dissection with a large basilar artery thrombosis
E F Hauck, S K Natarajan, D B Horvathy, L N Hopkins, A H Siddiqui, E I Levy

50 Embolic protection devices and the Penumbra 054 catheter: utility in tandem occlusions in acute ischemic stroke
F K Hui, M S Hussain, M H Elgabaly, T Sivapatham, I L Katzan, A M Spiotta

54 Stenting of a symptomatic long-segment extracranial vertebral artery occlusion
R Gupta, T Sivapatham, S I Moskowitz, S Srivastava

57 Use of far field basilar artery stenting for recurrent middle cerebral artery ischemia
W L Titsworth, A C Civelek, A Abou-Chebl

62 Percutaneous transluminal angioplasty in a patient with vasospasm secondary to coccidioidal meningitis: case report and review of the literature
Y C Hu, C B Newman, R Bristol, C G McDougall, F C Albuquerque

Clinical neurology

66 Periprocedural blood pressure management in neurointerventional surgery
T M Leslie-Mazwi, J R Sims, J A Hirsch, R G Nogueira

74 Oculomotor nerve palsy in the setting of an anterior cerebral A2 segment aneurysm
C Fairbanks, J B White

MORE CONTENTS ►



This article has been chosen by the Editor to be of special interest or importance and is freely available online.



Articles carrying the Unlocked Logo are freely available online under the BMJ Journals unlocked scheme. See <http://jnis.bmj.com/info/unlocked.dtl>



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

www.publicationethics.org.uk



Open surgery

- 77** Microsurgical retrieval of an endovascular microcatheter trapped during Onyx embolization of a cerebral arteriovenous malformation

*B P Walcott, J L Gerrard, R G Nogueira,
B V Nahed, A R Terry,
C S Ogilvy*

Spine

- 80** Endovascular management of spinal dural arteriovenous fistulas

*A Patsalides, A Santillan, J Knopman,
A J Tsiouris, H A Riina, Y P Gobin*

- 85** Transarterial Onyx embolization of sacral chordoma: case report and review of the literature

*Y C Hu, C B Newman, R W Porter,
F C Albuquerque*

- 88** The endovascular treatment of a spinal perimedullary arteriovenous fistula with coils: a case report

*L Pasqualetto, R Papa, M Isalberti, N P Nuzzi,
V Branca*

Head and neck

- 92** Hemostasis and obliteration of mandibular arteriovenous malformation through direct hydroxyapatite cement injection into the molar cavity

*V Gluncic, R R Reid, F M Baroody, L J Gottlieb,
S A Ansari*

Neuroimaging

- 95** The use of gadolinium chelates as an alternative radiographic contrast agent for use with flat panel detector angiography

F K Hui, F C Tong, J E Dion

Miscellanea

- 97** Corrections