Editor’s column

717 Practice makes perfect: establishing reasonable minimum thrombectomy volume requirements for stroke centers
K M Fargen, D J Fiorella, J Mocco

Commentary

720 Patients, not pictures: why complete occlusion may be a complete disaster
D F Kallmes, D Fiorella, W Benigni, C P Dereken

Ischemic stroke

722 A population-based incidence of acute large vessel occlusions and thrombectomy eligible patients indicates significant potential for growth of endovascular stroke therapy in the USA
A T Rai, A E Salden, S Boo, P S Link, J R Domico, A R Tarabishy, N Lucke-Wold, J S Carpenter

727 Endovascular treatment of acute ischemic stroke in nonagenarians compared with younger patients in a multicenter cohort
M A Khan, G L Baird, D Miller, A Patel, S Tsokou, S Yaghi, A Puri, M Jayaraman, NHenrenger, B Silver

732 Mechanical thrombectomy for pediatric acute ischemic stroke: review of the literature
S Satti, J Chen, T Sivasubramanian, M Jayaraman, D Orbach

738 Factors associated with perforator stroke after selective basilar artery angioplasty or stenting
B Jia, D S Liebeskind, N Ma, F Gao, D Mo, G Luo, X Li, X Sui, G Peng, Z Niao

743 A comparison of acute vascular damage caused by ADAPT versus a stent retriever device after thrombectomy in acute ischemic stroke: a histological and ultrastructural study in an animal model
S Peschilo, F Diana, J Berge, P Missoni

750 Long term durability and outcomes of carotid stenting and carotid endarterectomy
J M Jung, J Y Choi, H J Kim, S I Suh, W K Seo

Hemorrhagic stroke

756 Is intensive care monitoring necessary after coil embolization of unruptured intracranial aneurysms?
W R Stelzer, J Grunwald, Y Saadeh, T J Wilson, W N At-Holou, N Chaudhary, B G Thompson, A S Pandey, J J Gennette

761 Safety and effectiveness of microsurgical clipping, endovascular coiling, and stent assisted coiling for unruptured anterior communicating artery aneurysms: a systematic analysis of observational studies
A H O’Neill, R V Chandra, L T Lai

New devices

766 Use of a pressure sensing sheath: comparison with standard means of blood pressure monitoring in catheterization procedures
P D Amy, C South, R P Kluznik, K C Liu, R L Novakovic, A S Pun, G L Pride, B A Agazaryan-Kotinian, A Ray, A C Elliott

772 Periprocedural outcomes and early safety with the use of the Pipeline Flex Embolization Device with Shield Technology for unruptured intracranial aneurysms: preliminary results from a prospective clinical study

Basic science

777 Computational fluid dynamics of cerebral aneurysm coiling using high-resolution and high-energy synchrotron X-ray microtomography: comparison with the homogeneous porous medium approach
M R Levin, M C Barbou, S R Du Roscoat, C Gendreau, V K Chivukula, P M McGah, J D Nerva, R P Morton, L J Kim, A Alsedah

783 Concomitant aneurysm detection in an intracranial dolichoectasia mouse model using a MicroFil polymer perfusion technique
Y-Q Zhu, D Y Dai, H X Xing, Y H Ding, R Kadivel, D F Kallmes

Contents

Volume 9 Issue 8 | JNIS August 2017
Tumor embolization
787 3D-guided direct puncture therapeutic embolization of intracranial tumors
J Caroff, N Benachour, I Ieka, J Neuvaux, F Parker, V Da Ros, C Mihalea, M Iacobucci, J Moret, L Spelle

Clinical neurology
792 Efficacy of a two-test protocol for achieving a therapeutic response to clopidogrel prior to elective endovascular intracranial aneurysm treatment and an 'induced' postoperative hyper-response
Y Kayan, J E Delgado Almandoz, J L Fease, A M Milner, J M Scholz, M Mulder

Spine
797 Retrospective review of percutaneous synovial cyst ruptures: increased thickness of the T2 hypointense rim on post-rupture MRI may be associated with need for subsequent surgery
B Y M Kwan, F Salehi, S Jia, S McGregor, N Duggal, D Pelz, M Sharma

Standards
801 Prehospital care delivery and triage of stroke with emergent large vessel occlusion (ELVO): report of the Standards and Guidelines Committee of the Society of Neurointerventional Surgery

Electronic pages

e29 Endovascular interventions for acute stroke: past practice and current research
J Raymond, J Ghostine, N Khoury, D Roy, T E Darsaut

e30 Basilar stroke from a persistent hypoglossal artery
A P See, J F Baranoski, B C Flores, A Ducnet, F C Albuquerque

e31 Intercostal artery pseudoaneurysm with spontaneous resolution in the setting of an artery of Adamkiewicz
A Agarwal, Y Weerakkody, M Marshall, T Singh

e32 Novel approach for independent control of brain hypothermia and systemic normothermia: cerebral selective deep hypothermia for refractory cardiac arrest
C H Wang, Y T Lin, H W Chou, Y C Wang, J J Hwang, J R Gilbert, Y S Chen

e33 Stentriever thrombectomy with distal protection device for carotid free floating thrombus: a technical case report
S Giragani, A Balani, V Agrawal