Editors’ column
427  The mission lifetime severity-based stroke treatment algorithm: We need more time
J Mocco, D Forella, F C Albuquerque

Commentary
429  ‘Standards and guidelines for standards and guidelines’; intracranial dural arteriovenous shunts as a paradigm
I A Awad

Ischemic stroke
431  Topographic distribution of cerebral infarct probability in patients with acute ischemic stroke: mapping of intra-arterial treatment effect
A M Boers, O A Berkhemer, C H Slump, W H van Zwanum, Y B W E M Ross, A van der Looit, R J van Oostenbrugge, A J Yoo, D W J Dippel, H A Marquering, C B L M Majoe, on behalf of the MR CLEAN trial investigators

437  Long term experience using the ADAPT technique for the treatment of acute ischemic stroke
J Vargas, A Sepúlveda, K Fargen, R Turner, I Chaudry, A Turk

Hemorrhagic stroke
471  Treatment of posterior circulation non-saccular aneurysms with flow diveters: a single-center experience and review of 56 patients
P Bhogal, M A Pérez, O Gamslandt, H Bäzner, H Henkes, S Fischer

482  Safety and outcomes of simultaneous vasospasm and endovascular aneurysm treatment (SVAT) in subarachnoid hemorrhage

Basic science
486  Novel methodology to replicate clot analogs with diverse composition in acute ischemic stroke
S Duffy, M Farrell, K McArdle, T Doh, D Vale, E Rainsford, T Lumbe, J Shub, D Vale

459  Optimizing endovascular stroke treatment: removing the microcatheter before clot retrieval with stent-retrievers increases aspiration flow
O Nikoubashman, J P Ah, A Nikoubashman, M Bisnen, S Heringer, C Brockmann, M-A Brockmann, M Müller, A Reich, M Wiesmann

463  Endovascular management of cerebral septic embolism: three recent cases and review of the literature
E L Scharf, T Chakravarty, A Rabinstein, A S Mtraqput

466  MRI audit of complications in intracranial stenosis treated with Wingspan device
L L L Yeo, Y M Wu, Y L Chen, C H Yeh, T H Lee, H F Weng

445  Proteinuria as an independent risk factor for contrast-induced acute kidney injury and mortality in patients with stroke undergoing cerebral angiography
Y Tao, W Dong, Z Li, Y Chen, H Liang, R Li, L Mo, L Xu, S Liu, W Shi, L Zhang, X Liang

449  Proposed methodology and classification of Infarct in New Territory (INT) after endovascular stroke treatment
M Goyal, B K Moniz, A Demchuk, J L Saver, M Essa, C Majoe, M Jayaraman, M D Hill

455  Timeline of blood pressure changes after intra-arterial therapy for acute ischemic stroke based on recanalization status
S John, W Hazaa, K Uchino, M S Hussain
492 NADPH oxidase inhibitor improves outcome of mechanical reperfusion by suppressing hemorrhagic transformation
Y-H Tuo, Z Liu, J-W Chen, Q-Y Wang, S-L Li, M-C Li, G Dai, J-S Wang, Y-L Zhang, L Feng, Z-S Shi

Neuroimaging
499 Acute management and outcomes of iatrogenic dissections during cerebral angiography
A P Groves, A P Kansagra, D T Cross, C J Moran, C P Derdeyn

502 The application of susceptibility-weighted MRI in pre-interventional evaluation of intracranial dural arteriovenous fistulas
N K Jain, S K Kannath, T R Kapilamoorthy, B Thomas

History
508 Citation classics in neurointerventional research: a bibliometric analysis of the 100 most cited articles
E S Kim, D Y Yoon, H J Kim, H J Jeon, J Y Lee, B-M Cho, K Lee

Clinical neurology
512 Venous sinus stenting in patients without idiopathic intracranial hypertension
M R Levitt, F C Albuquerque, B A Gross, K Moon, A P Jadhav, A F Ducruet, R W Crowley

Standards
516 Standard and Guidelines: Intracranial Dural Arteriovenous Shunts

Letter to the editor
524 Comment on the article What constitutes the M1 segment of the middle cerebral artery?
D Lobsien, M Gawlitza, K-T Hoffmann, B Friedrich

Electronic pages
e17 Traumatic basilar artery entrapment with patency of pontine perforators and absence of significant brainstem infarction: report of an unusual case
S Kliesch, C Bauknecht, G Bohner, T Liebig, E Siebert

e18 Use of aspirin as sole oral antiplatelet therapy in acute flow diversion for ruptured dissecting aneurysms
A H Y Chiu, R Ramesh, J Wenderoth, M Davies, A Cheung

e19 Retreatment of a choroidal vein of Galen malformation with embolization 42 years after open surgical treatment in the neonatal period
L Eljovich, A F Choudri, A S Arthur, P Climo, F A Boop, A Berenstein

e20 A rare case of absent left common carotid artery with bovine origin of the left external carotid artery
S Goyal, A K Sinha