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

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

Ischemic stroke
431 Topographic distribution of cerebral infarct probability in patients with acute ischemic stroke: mapping of intra-arterial treatment effect
A M J Boers, O A Berkhemer, C H Slump, W H van Zwam, Y B W E M Roos, A van der Lugt, R J van Oostenbrugge, A J Yoo, D W J Dippel, H A Marxquering, 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 Spinnia, K Fargen, R Turner, J Chaudry, A Turk

442 ASPECTS decay during inter-facility transfer in patients with large vessel occlusion strokes
M Molkin, R Gupta, W R Guerrero, D Z Rose, W S Burgin, S Sivakanthan

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 Monos, A Demchuk, J L Saver, M Eesa, C Majoe, M Jhayaraman, M D Hill

451 Admission systolic blood pressure and outcomes in large vessel occlusion strokes treated with endovascular treatment
N Goyal, G Tsivgoulis, S Sifakas, Y Khochbéd, M Enawad Iftiqua, V T Doo, R Zand, J Chang, K Acherbini, A Choudhri, D Hse, A V Alexandrov, A S Arthur, L Eljovitch

455 Timeline of blood pressure changes after intra-arterial therapy for acute ischemic stroke based on recanalization status
S John, W Hazaa, K Ubico, M S Hussain

459 Optimizing endovascular stroke treatment: removing the microcatheter before clot retrieval with stent-retrievers increases aspiration flow
O Nikoukas, J P Ah, O Nikoukas, M Bijen, S Heninger, C Brockmann, M-A Brockmann, M Muller, A Reich, M Wiesmann

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

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

Hemorrhagic stroke
471 Treatment of posterior circulation non-saccular aneurysms with flow diverters: a single-center experience and review of 56 patients
P Bhogal, M A Perez, O Gamslandt, H Bzner, 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 Duff, M Farrell, K McArdle, J Thornton, D Vale, E Ramsford, I Morris, D S Liebeskind, E MacCarthy, M Callary

490 Sickle cell disease: the role of imaging in a global epidemic
J Mocco, D Fovella, F C Albuquerque

493 ASPECTS regions as described in the report by Boers A M M.

491 ASPECTS imaging and its role in defining the window of opportunity to treat ischemic stroke
J Mocco, D Fovella, F C Albuquerque

494 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

495 Timeline of blood pressure changes after intra-arterial therapy for acute ischemic stroke based on recanalization status
S John, W Hazaa, K Ubico, M S Hussain

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

501 Admission systolic blood pressure and outcomes in large vessel occlusion strokes treated with endovascular treatment
N Goyal, G Tsivgoulis, S Sifakas, Y Khochbéd, M Enawad Iftiqua, V T Doo, R Zand, J Chang, K Acherbini, A Choudhri, D Hse, A V Alexandrov, A S Arthur, L Eljovitch

505 Timeline of blood pressure changes after intra-arterial therapy for acute ischemic stroke based on recanalization status
S John, W Hazaa, K Ubico, 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 P Dacruz, K 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

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

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