Contents

Volume 16 Issue 1 | JNIS January 2024

Editor’s column

1 Triage of Emergent Large Vessel Occlusion (ELVO) patients directly to Comprehensive Stroke Centers (CSCs) is good practice and benefits patients in Urban and Suburban population Centers – New insights from the TRIAGE-STROKE and RACECAT studies


Commentary

4 The perils and promises of generative artificial intelligence in neurointerventional surgery

T R Ray, R T Kellogg, K M Fargen, F Hui, J Vargus

Hemorrhagic stroke

8 Magnetic resonance perfusion imaging findings following flow diversion in patients with complex middle cerebral artery bifurcation aneurysms: a single-center analysis regarding the jailed cortical branches

B Korkmazer, A K Katraman, A Ustundag, S Arslan, O Kızılkılıç, N Koçer, C Islak

15 Characterization of length of stay after minimally invasive endoscopic intracerebral hemorrhage evacuation


16 Management of basilar meningeal aneurysms: a systematic review with an illustrative case report

M A Essahay, V M Sinowasan, HJ Madrichin-Navia, M T Park, L Scherschinski, J S Catapano, E F Ducruet, C S Graffeo, A F Ducruet, F C Albuquerque, M T Lavernet

Ischemic stroke

31 Core overestimation of CT perfusion in patients with cardiac insufficiency who had a stroke is mediated by impaired collaterals

G He, L Wei, H Lu, J Deng, F Wang, Y Zhu

38 Early neurological deterioration in patients with minor stroke due to isolated M2 occlusion undergoing medical management: a retrospective multicenter study


45 Interaction between intravenous thrombolysis and clinical outcome between slow and fast progressors undergoing mechanical thrombectomy: a post-hoc analysis of the SWIFT-DIRECT trial

G Marwan, J Kaesmacher, I Buektikofer, I Sibon, S Saleme, R Pen, H Hevon, P Michel, M Mazighi, Z Kulcsar, K Jawo, P Machi, A Pikula, J C Gentric, M Hernandez-Perez, L U Krause, G Turc, D S Liebeschid, J Gralla, U Fischer, on behalf of the SWIFT-DIRECT investigators

53 Development and validation of machine learning-based model for mortality prediction in patients with acute basilar artery occlusion receiving endovascular treatment: multicentric cohort analysis

C Liu, J Huang, W Kong, L Chen, J Song, J Yang, F Li, W Zi

61 Clinical evaluation of a deep-learning model for automatic scoring of the Alberta stroke program early CT score on non-contrast CT

S J Lee, G Park, D Kim, S Jung, S Song, J M Hong, D H Shin, J S Lee

67 Dual-layered stents reduce cerebral embolism compared with first-generation stents during carotid stenting of high lipid core plaque lesions

I Nakagawa, M Kotsugi, S Yekovayama, R Macotca, T Funata, H Tanaka, Y Takeshima, R Matsuda, S Yamada, H Nakase

73 Prevention of in-stent restenosis with drug-eluting balloons in patients with poststented carotid stenosis accepting percutaneous angioplasty and stenting

C-H Wu, J-M Lin, C-P Chuang, K-W Yu, W-A Tai, C-B Luo, J-F Liang, F-C Chang

50 More contents ➤
**Contents**

**New devices and techniques**

81  Definitive treatment of seizures due to hemimegalencephaly in neonates and young infants by transarterial embolization: technical considerations for ‘endovascular embolic hemispherectomy’

M S Pearl, T N Tsuchida, C Oluigbo, P Kratimenos, T Anwar, Y Kousa, W D Gaillard, T Chang

88  Efficacy and safety of low dose intravenous cangrelor in a consecutive cohort of patients undergoing neuroendovascular procedures

F Cagnazzo, R A Radu, J Derrez, P H Lefèvre, C Dargazanti, P Machi, R Morganti, G Gascou, J Fendelser, P Rapido, V Costalat

**Technical video**

107  Retrograde endovascular recanalization of chronic common carotid total occlusion: a technical video

R A Radu, F Cagnazzo, J Derrez, G Gascou, V Costalat

**Letters**

108  Correspondence on ‘Percutaneous cervical sympathetic block to treat cerebral vasospasm and delayed cerebral ischemia: a review of the evidence’ by Bombardieri et al

M Perez Herrero, E Yamak Altipullde, F Galluccio, K Espinoza Morales, R L J Pacheco, M Fajardo

109  Ischemic stroke and infarct in a new territory following mechanical thrombectomy: a meta-analysis of clinical trials

M Amoukhteh, A Hassankhani, P Valizadeh, P Jannatdoust, S Ghozy, D F Kallmes

**Spine**

94  Clarifying the clinical landscape of pediatric spinal arteriovenous shunts: an institutional experience and individual patient-data meta-analysis

C D Reynolds, M T Caton, A Baker, E R Smith, M R Amans, D L Cooke, C F Dowd, R T Higashida, N Gupta, A A Abil, K Augustine, C H Fox, H Fullerton, S W Hetts

**Neuroimaging**

101  Simplified stroke imaging selection modality for endovascular thrombectomy in the extended time window: systematic review and meta-analysis

Z Dong, S Dong, J Zhang, S Chen, Z Ye, L Zhang, R Hu, C Zhong, X Liu, C Qin

107  Time to treat the climate and nature crisis as one indivisible global health emergency

C Zielinski, on behalf of the authorship group listed below

**Electronic pages**

e1  Correction: Low left atrial volume is an independent predictor of persistent hypotension after carotid artery stenting

e2  Correction: Association of asymptomatic hemorrhage after endovascular stroke treatment with outcomes

e3  Correction: Endovascular treatment for vaccine-induced cerebral venous sinus thrombosis and thrombocytopenia following ChAdOx1 nCoV-19 vaccination: a report of three cases

e4  Correction: SNIS 20th Annual Meeting Abstracts 2023