Contents

Volume 14  Issue 8 | JNIS August 2022

Editor’s column
743 Getting ahead of stroke
W J Mack

Head and neck
745 Middle meningeal artery embolization:
preventing subdural hematoma recurrence and
saving money?
R W Regenhardt, A A Dmytriw, J E Vrnic,
A B Patel, C J Stapleton

Ischemic stroke
747 Outcomes of endovascular thrombectomy in
patients selected by computed tomography
perfusion imaging – a matched cohort study
comparing nonanagenerians to younger patients
R Rathanagadle, C T Hacken, R Corjo, N M Fuller,
K Mahboub, R Williamson, T Hentsoz, A H Tayal,
S S Rana

752 Predictors of futile recanalization in patients
undergoing endovascular treatment in the
DIRECT–MT trial
T Zhou, T Y, T Li, L Zhu, Y Li, Z Li, M Wang,
Q Li, Y He, P Yang, Y Zhang, L Li, Y Zhang,
X Ye, W Chen, S Wang, J Liu, DIRECT–MT
Registry Investigators

756 Safety and efficacy of balloon-mounted stent
in the treatment of symptomatic intracranial
atherosclerotic disease: a multicenter
experience
M H Mohammadan, R G Nogueira, W Teke,
S Ortega-Gutierrez, M Fatoori, C B Zavalla,
R A Hanel, G M Coren, A Aghaeibrahim,
R M Starke, H Aref, A Elbassaweny, A Gamea,
A Alraj, M Sadeh, M Gregorayan, O Kaybu,
D C Haussen, S A Sheh, A Maud, S M Corinda,
O Tanweer, F Kan, J K Burkehaed, R Granelli,
F Saddiq, A E Hassan

762 Association of residual stenosis after balloon
angioplasty with vessel wall geometries in
intracranial atherosclerosis
Z Hou, Z Zhang, L Yin, J You, M Wan, J Song,
Y Pion, F Hui, Z Miao, X Lou, Y Wang, J Jing,
N Ma

767 General anesthesia during endovascular therapy
for acute ischemic stroke: benefits beyond
better reperfusion?
C Z Simonsen, M Rasmussen, S Schönenberger,
P L Hedens, J Bösel, J Paris Valent

772 Cerebral angiographic features of central
retinal artery occlusion patients treated with
intra-arterial thrombolysis
J Kim, S Jung, K H Park, S J Woo, C Jung

779 Successful mechanical thrombectomy in acute
ischemic stroke: revascularization grade and
functional independence
S Ghzey, S E O Kacimi, A Y Azzam, R A Farahat,
A Abdelal, K M Kalbines, G Adusumilli, J J Heit,
R Kadirel, D F Kalbines

783 Embotrap Extraction & Clot Evaluation &
Lesion Evaluation for NeuroThrombectomy
(EXCELLENT) Registry design and methods
A H Siddique, M Waqas, W Bonjihni, S F De Meyer,
R Doyle, J Feiher, W Hacke, R A Hanel, T C Joon,
D S Liebeskind, A J Yoo, O O Zaidat, T Anderson,
R G Nogueira

Vascular neurology
788 Endovascular treatment for cerebral venous thrombosis: current status, challenges, and
opportunities
M Goyal, J Flade, J M Coutinho, R McDonough,
J Ospel

794 Diagnostic performance of an algorithm for
automated large vessel occlusion detection on
CT angiography
S P R Luiten, I Wolff, M H C Duvekot,
P J van Doornland, W Moudaei, H Kerkhoff,
G J Lycklama a Nijeholt, R P H Bokkers, L S F Yo,
J Hofmeijer, W H van Zwam, A C G M van Es,
D W J Dippe, B Rozendaal, A van der Lugt, on
behalf of the MR CLEAN Registry and PRESTO
Investigators

799 Development of a machine learning-based
real-time location system to streamline acute
dendovascular intervention in acute stroke:
reduction in travel time, and its impact on
outcomes
D Z Lim, M Ye, A Daham, B Tahayori, H K Koh,
M Abdass-Rad, J Maingard, N Katalbas, J Russell,
V Thijis, A Jhaml, R V Chandra, M Brooks,
C Barras, H Asadi

More Contents ➤
Socioeconomics
804 Total 1-year hospital cost of middle meningeal artery embolization compared to surgery for chronic subdural hematomas: a propensity-adjusted analysis

Hemorrhagic stroke
807 Clinical Assessment of WEB device in Ruptured aneurysms (CLARYS): results of 1-month and 1-year assessment of rebleeding protection and clinical safety in a multicenter study

New devices and techniques
815 Primary results of the Vesalio NeVa VS for the Treatment of Symptomatic Cerebral Vasospasm following Aneurysm Subarachnoid Hemorrhage (VITAL) Study
R Gupta, K Woodward, D Fiorella, H H Woo, D Liebeskind, D Frei, A Siddiqui, R De Leacy, R Honel, L Elmoohr, A Maud, for the VITAL Study Investigators

820 Complications of transradial versus transfemoral access for neuroendovascular procedures: a meta-analysis
D Schantz, S M K Akkipeddi, N Ellis, R Rahmani, G S Kohli, J Bechel, J M Caplan, T K Matingly, T Bholl, A T Bender

826 Using angiographic parametric imaging-derived radiomics features to predict complications and embolization outcomes of intracranial aneurysms treated by pipeline embolization devices
F Liang, C Ma, H Zhu, J Liu, S Liang, P Jiang, Y Zhang, C Jiang

Neuroimaging
832 The impact of software-based metal artifact reduction on the liquid embolic agent Onyx in cone-beam CT: a systematic in vitro and in vivo study
N Schmitt, C S Weyland, L Wucherpfennig, C M Sommer, M Bendus, M A Möhlenbruch, D F Vollherbst

837 Intracranial perianeurysmal cysts: case series and review of the literature
E S Liang, M Efrusy, C Winter, A Coulthard

Technical video
842 Transcarotid artery revascularization (TCAR): a technical video
N Sujijantarat, J Antonios, A Koo, D Renedo, B J Cord, A Zechi, R Hebert, C Matouk

Spine
844 Revision balloon kyphoplasty and vertebra-pediculoplasty using cannulated screws for osteoporotic vertebral fractures with cement dislodgement following conventional balloon kyphoplasty
Y Yonezawa, Y Yonezawa, Y Kanatsawa, T Yonezawa, K Yonezawa, S Demura