

Editor in Chief

Yongjun Wang (China)

Honorary Editors

Louis Caplan (USA)
 Marc Fisher (USA)
 S Claiborne Johnston (USA)
 Jizong Zhao (China)

Deputy & Managing Editor

David Wang (USA)

Associate Editors

Qiang Dong (China)
 Yi Dong (China)
 Zhongrong Miao (China)
 Xinyi Leng (China)
 Lee H Schwamm (USA)
 J David Spence (Canada)
 Yi Sui (China)
 Zefeng Tan (China)
 Joanna Wardlaw (UK)
 Xia Wang (Australia)
 Anding Xu (China)
 Huguang Zheng (China)

Associate Editor of Neurobiology

Qionghai Dai (China)

Associate Editor in Neurosurgery

Li-Mei Lin (USA)

Associate Editors in Basic Science

Guohua Xi (USA)
 Guo-Yuan Yang (China)

Associate Editors of Statistics

Gaifen Liu (China)
 Haipeng Shen (China)

Assistant Editors

Steven Davis (Australia)
 Liping Liu (China)
 Yilong Wang (China)
 Lawrence Wechsler (USA)
 Yun Xu (China)

Manager of Editorial Office

Hao Li (China)

Deputy Manager of Editorial Office

Xin Dou (China)

Assistant Manager of Editorial Office

Michelle Lee (China)

Disclaimer: The Editor of *SVN* has been granted editorial freedom and *SVN* is published in accordance with editorial guidelines issued by the World Association of Medical Editors and the Committee on Publication Ethics. *SVN* is primarily intended for healthcare professionals and its content is for information only. The Journal is published without any guarantee as to its accuracy or completeness and any representations or warranties are expressly excluded to the fullest extent permitted by law. Readers are advised to independently verify any information on which they choose to rely. Acceptance of advertising by *SVN* does not imply endorsement. Neither *CSA* nor *BMJ Publishing Group Limited* shall have any liability for any loss, injury or damage howsoever arising from *SVN* (except for liability which cannot be legally excluded).

Copyright: © 2020 Chinese Stroke Association. All rights reserved; no part of this publication may be reproduced in any form without permission. *SVN* is published by *BMJ Publishing Group Ltd*, typeset by *Exeter Private Limited*, Bengaluru & Chennai, India. *Stroke and Vascular Neurology* (ISSN 2059-8688) is published quarterly by *BMJ Publishing Group*.

Original research

- 315** Cerebral microhaemorrhage in COVID-19: a critical illness related phenomenon?
 OPEN ACCESS *L Dixon, C McNamara, P Gaur, D Mallon, C Coughlan, F Tona, W Jan, M Wilson, B Jones*
- 323** Impact of COVID-2019 on stroke services in China: survey from the Chinese Stroke Association
 OPEN ACCESS *X Wang, M Ouyang, C Carcel, C Chen, L Sun, J Yang, Y Zhang, G Chen, S You, Y Cao, L Ma, X Hu, Y Sui, C Anderson, L Song, Y Wang, D Wang*
- 331** Stroke in COVID-19: a single-centre initial experience in a hotspot of the pandemic
 OPEN ACCESS *I Bach, P Surathi, N Montealegre, O Abu-Hadid, S Rubenstein, S Redko, S Gupta, M Hillen, P Patel, P Khandelwal, A Kamel*
- 337** Inconsistent centralised versus non-centralised ischaemic stroke aetiology
 OPEN ACCESS *Y Suo, J Jing, X Meng, Z Li, Y Pan, Y Jiang, X Yang, H Liu, H Yan, L Liu, X Zhao, Y Wang, H Li, Y Wang*
- 348** Who may benefit from lower dosages of intravenous tissue plasminogen activator? Results from a cluster data analysis
 OPEN ACCESS *Y Dong, Y Han, H Shen, Y Wang, F Ma, H Li, Y Wang, Q Dong*
- 353** Worldwide 1-month case fatality of ischaemic stroke and the temporal trend
 OPEN ACCESS *R Zhang, Y Wang, J Fang, M Yu, Y Wang, G Liu*
- 361** Multiple hypointense vessels on susceptibility-weighted imaging predict early neurological deterioration in acute ischaemic stroke patients with severe intracranial large artery stenosis or occlusion receiving intravenous thrombolysis
 OPEN ACCESS *Y-L Liu, H-P Yin, D-H Qiu, J-F Qu, H-H Zhong, Z-H Lu, F Wang, M-Q Liang, Y-K Chen*
- 368** Prognostic value of systemic immune-inflammation index in acute/subacute patients with cerebral venous sinus thrombosis
 OPEN ACCESS *S Li, K Liu, Y Gao, L Zhao, R Zhang, H Fang, Y Tao, H Liu, J Zhao, Z Xia, Y Xu, B Song*
- 374** Changing the strategy and culture of stroke awareness education in China: implementing Stroke 1-2-0
 OPEN ACCESS *J Zhao, X Li, X Liu, Y Xu, J Xu, A Xu, Y Wang, R Liu*

Reviews

- 381** Big data and artificial intelligence discover novel drugs targeting proteins without 3D structure and overcome the undruggable targets
 OPEN ACCESS *H He, B Liu, H Luo, T Zhang, J Jiang*
- 388** Intracerebral haemorrhage: from clinical settings to animal models
 OPEN ACCESS *Q Bai, Z Sheng, Y Liu, R Zhang, V W Yong, M Xue*

Guidelines

- 396** Chinese Stroke Association guidelines for clinical management of cerebrovascular disorders: executive summary and 2019 update of clinical management of intracerebral haemorrhage
 OPEN ACCESS *Y Cao, S Yu, Q Zhang, T Yu, Y Liu, Z Sun, M Zhao, W Wang, J Z Zhao, Chinese Stroke Association Stroke Council Guideline*

Brief reports

- 403** Decline in stroke alerts and hospitalisations during the COVID-19 pandemic
 OPEN ACCESS *M Sharma, V-A Lioutas, T Madsen, J Clark, J O'Sullivan, M S V Elkind, J Z Willey, R S Marshall, M H Selim, D Greer, D L Tirschweller, T Burton, A Boehme, H J Aparicio*
- 406** No benefit of flat head positioning in early moderate-severe acute ischaemic stroke: a HeadPoST study subgroup analysis
 EDITOR'S CHOICE
 OPEN ACCESS *A M Brunser, M Ouyang, H Arima, P M Lavadas, T Robinson, P Muñoz-Venturelli, V V Olavarria, L Billot, M L Hackett, L Song, S Middleton, O Pontes-Neto, T-H Lee, C Watkins, C S Anderson*

Protocol

- 410** Statin treatment for unruptured intracranial aneurysms study: a study protocol for a double-blind, placebo-controlled trial
 OPEN ACCESS *W Li, Y Zhang, Z Tian, W Zhu, J Liu, Y Zhang, X Yang, D-C Tian*
- 416** Gene panel for Mendelian strokes
 OPEN ACCESS *F Fang, Z Xu, Y Suo, H Wang, S Cheng, H Li, W Li, Y Wang*

Editorial Board

Harold Adams (USA)
 Craig Anderson (Australia)
 Philip Bath (UK)
 Gavin W Brits (USA)
 Seemant Chaturvedi (USA)
 Christopher Chen (Singapore)
 Jeff W Chen (USA)
 Jieli Chen (USA)
 Kangning Chen (China)
 Sherry Chou (USA)
 Alexander Lewis Coon (USA)
 Antonio Culebras (USA)
 Yuchuan Ding (USA)
 Wuwei Feng (USA)
 Mark Fisher (USA)
 Nancy Futrell (USA)
 Junbo Ge (China)
 Keun-Sik Hong (Korea)
 Bo Hu (China)
 Judy Huang (USA)
 Yong Huo (China)
 Weijian Jiang (China)
 Walter Kernan (USA)
 Giuseppe Lanzino (USA)
 Julius Gene S Latorre (USA)
 Enrique C Leira (USA)
 Junfa Li (China)
 David Liebeskind (USA)

Yan Liu (China)
 Min Lou (China)
 Benyan Luo (China)
 Xianli Lv (China)
 Bijoy Menon (Canada)
 Chaoyu Miao (China)
 Jiangyong Min (USA)
 Bin Peng (China)
 John H Pula (USA)
 Jinma Ren (USA)
 Xuefang (Sophie) Ren (USA)
 Peter Rothwell (UK)
 Fudong Shi (China)
 Aneesh B Singhal (USA)
 Sarah Song (USA)
 Dingfeng Su (China)
 Gene Yong Sung (USA)
 Beisha Tang (China)
 Krishna Veeravalli (USA)
 Michael F Waters (USA)
 Chunxue Wang (China)
 Guijing Wang (USA)
 James Wang (USA)
 Jian Wang (USA)
 Junling Wang (China)
 Ning Wang (China)
 Shaoshi Wang (China)
 Shuo Wang (China)
 Xin Wang (China)

KS Lawrence Wong (China)
 Ying Xian (USA)
 Peng Xie (China)
 Zhigang Xiong (USA)
 Jindong Xu (USA)
 Weihai Xu (China)
 Yuming Xu (China)
 Mengzhou Xue (China)
 Shaohua Yang (USA)
 Qingwu Yang (China)
 Yi Yang (China)
 Shouzheng Ye (Taiwan)
 Jinsheng Zeng (China)
 Tong Zhang (China)
 Yonghua Zhang (USA)
 Gang Zhao (China)
 Heng Zhao (USA)
 Xinhai Zhao (China)
 Xinquan Zhao (China)
 Yihua Zhou (USA)
 Dongya Zhu (China)
 Li Zhu (China)

Editorial Office
Stroke and Vascular Neurology
 BMJ Journals
 BMA House, Tavistock Square
 London, WC1H 9JR, UK
 E: info.svn@bmj.com