

**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)  
 Aiding 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.

**Epidemiological study**

- 211** China Stroke Statistics 2019: A Report From the National Center for Healthcare Quality Management in Neurological Diseases, China National Clinical Research Center for Neurological Diseases, the Chinese Stroke Association, National Center for Chronic and Non-communicable Disease Control and Prevention, Chinese Center for Disease Control and Prevention and Institute for Global Neuroscience and Stroke Collaborations  
*Y-J Wang, Z-X Li, H-Q Gu, Y Zhai, Y Jiang, X-Q Zhao, Y-L Wang, X Yang, C-J Wang, X Meng, H Li, L-P Liu, J Jing, J Wu, A-D Xu, Q Dong, D Wang, J-Z Zhao, On behalf of China Stroke Statistics 2019 Writing Committee*

**Editorial**

- 240** China Stroke Statistics 2019: a wealth of opportunities for stroke prevention  
*J D Spence*

**Guidelines**

- 242** Expert consensus on prevention and control of COVID-19 in the neurological intensive care unit (first edition)  
*F Wang, J Liu, P Zhang, W Jiang, L Zhang, M Zhang, J Teng, J Wang, X Xie, J Cao, W Li, Y Wu, H Zhou, Y Su, S Pan, L Liu*
- 250** Chinese Stroke Association guidelines for clinical management of cerebrovascular disorders: executive summary and 2019 update of clinical management of stroke rehabilitation  
*T Zhang, J Zhao, X Li, Y Bai, B Wang, Y Qu, B Li, S Zhao, Chinese Stroke Association Stroke Council Guideline Writing Committee*
- 260** Chinese Stroke Association guidelines for clinical management of cerebrovascular disorders: executive summary and 2019 update on organizational stroke management  
*M Lou, J Ding, B Hu, Y Zhang, H Li, ZF Tan, Y Wan, A-D Xu, Chinese Stroke Association Stroke Council Guideline Writing Committee*

- 270** Chinese Stroke Association guidelines for clinical management of cerebrovascular disorders: executive summary and 2019 update of the management of high-risk population  
*Y Wang, S Han, H Qin, H Zheng, B Jiang, Y Cao, Y Gao, L Guan, Q Jia, Y Jiang, Y Jiao, S Li, Y Li, Z Li, W Liu, X Ru, D Sun, H Sun, P Wang, T Wang, L Zong, L Guo, X Xie, Y Xu, X Yang, Y Yang, M Zhou, W Wang, Chinese Stroke Association Stroke Council Guideline Writing Committee*

**Original research**

- 279** Acute cerebrovascular disease following COVID-19: a single center, retrospective, observational study  
*Y Li, M Li, M Wang, Y Zhou, J Chang, Y Xian, D Wang, L Mao, H Jin, B Hu*
- 285** Thrombolysis with alteplase 3–4.5 hours after acute ischaemic stroke: the first multicentre, phase III trial in China  
*H Zheng, Y Yang, H Chen, C Li, Y Chen, F-D Shi, L Yang, X Cui, Z Lu, Y Liang, S Cui, A Xu, Y Wu, Y Sun, Y Wang*
- 291** Endovascular treatment of bilateral intracranial vertebral artery aneurysms: an algorithm based on a 10-year neurointerventional experience  
*Y Zhang, Z Tian, W Zhu, J Liu, Y Wang, K Wang, Y Zhang, X Yang, W Li*

**Review**

- 302** Donning and doffing of personal protective equipment protocol and key points of nursing care for patients with COVID-19 in ICU  
*L Yuan, S Chen, Y Xu*

**Case report**

- 308** Staged endovascular reconstruction of complex traumatic intracranial carotid artery dissection  
*K K Topiwala, M Hussain, J Modak, I Kureshi, A Nouh, M Pervez, B Killory, D Lee*

**Protocol**

- 311** Shuxuetong for Prevention of recurrence in Acute Cerebrovascular events with Embolism (SPACE) trial: rationale and design  
*H-Q Gu, X-W Xie, J Jing, X Meng, W Lv, J-D Yu, X-P Lv, H Li, Y-L Wang, Y-J 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)  
 Jie 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)  
 Xihai 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](mailto:info.svn@bmj.com)