



ISSN 1673-5765 CN 11-5434/R

中国卒中杂志

# 中国卒中杂志

Chinese Journal of Stroke

ISSN 1673-5765



万方数据

主编手记

- 1 卒中：回眸2021 王拥军，熊云云，李子孝，张玉梅，杨晓萌，王上，霍晓川，杨明，谢雪微，  
罗岗，陈晓霖，李光硕，王利圆，王传颖，闫然，王文洁，段春苗，路正钊

述评

- 21 脑血管病临床研究设计现状、存在的问题及对策 金奥铭，严鸿伊，向祥龙，潘岳松

专题论坛：脑血管病临床研究设计

- 26 脑血管病临床研究设计的方法简介和实例分析 张润华，潘岳松，姜勇，刘改芬  
31 临床研究样本量的估计方法和常见错误 潘岳松，金奥铭，王梦星  
36 临床研究数据库的构建与管理 朱之恺，黄馨莹，姜勇  
43 临床研究中统计学方法的规范应用与典型案例解析 郑德强，段明瑞，李小春，侯锐，吴立娟，王友信

临床观点

- 51 颅内脑外出血与磁共振多序列影像评估 李琳琳，张英魁

论著

- 56 2020中国急性缺血性卒中血管内治疗现状调查分析 霍晓川，李晓青，缪中荣，国家神经系统疾病医疗  
质量控制中心神经介入质控专家委员会，急性脑梗死再灌注治疗质量改进国家行动血管内治疗工作委员会  
66 替罗非班治疗MRI筛选的轻中度非心源性缺血性卒中的安全性和有效性研究  
张俊良，黄双凤，徐璐瑶，向薇，张曼曼，梁志刚  
73 西安地区中青年急性卒中患者肾小球滤过率估计值与1年死亡的关系研究  
张瑜瑜，刘仲仲，逯青丽，王静，刘佩，侯丽娜，张娜，蔺雪梅，王芳，吴松笛  
80 P波指数对缺血性卒中后心房颤动的预测价值研究 杨晓萌，吴越阳，尤佳，姜勇，黄馨莹，王拥军

指南与共识

- 85 脑健康服务：组织、结构和实施的挑战——脑健康服务用户手册（第1部分）  
译者：郑华光，李雯博，王瑞青，王拥军

病例讨论

- 93 卒中后发作性运动障碍1例报告 王茜茜，沈翔，桂雅星，王国栋，吴云成

综述

- 97 空间导航功能神经网络研究进展 王会会，白秋菊，常琳丽，张彦海，迟丽屹

教学园地

- 103 脑血管病专业研究生对导师的期望调查分析与导师培训启示 霍墨菲，杜鑫，任依

- 65 本期缩略语表

# CONTENTS IN BRIEF

Chinese Journal of Stroke

Monthly Established in January 2006  
Volume 17, Number 1, January 20, 2022

## Editorial

- 1 Highlights on Stroke Research in 2021 WANG Yongjun, XIONG Yunyun, LI Zixiao, ZHANG Yumei, YANG Xiaomeng, WANG Shang, HUO Xiaochuan, YANG Ming, XIE Xuewei, LUO Gang, CHEN Xiaolin, LI Guangshuo, WANG Liyuan, WANG Chuanying, YAN Ran, WANG Wenjie, DUAN Chunmiao, LU Zhengzhao

## Commentary

- 21 Current Status, Problems and Solving Strategy of Clinical Study Design in Cerebrovascular Disease  
JIN Aoming, YAN Hongyi, XIANG Xianglong, PAN Yuesong

## Special Forum: Clinical Research Design in Cerebrovascular Disease

- 26 Introduction of Clinical Study Design in Cerebrovascular Disease ZHANG Runhua, PAN Yuesong, JIANG Yong, LIU Gaifen
- 31 Methods and Common Pitfalls of Sample Size Estimation in Clinical Studies PAN Yuesong, JIN Aoming, WANG Mengxing
- 36 Construction and Management of Clinical Research Database ZHU Zhikai, HUANG Xinying, JIANG Yong
- 43 Application of Statistical Methods and Typical Cases Analysis in Clinical Research ZHENG Deqiang, DUAN Mingrui, LI Xiaochun, HOU Rui, WU Lijuan, WANG Youxin

## Clinical Perspectives

- 51 Multi-modal MRI in Intracranial Extracerebral Hemorrhage LI Linlin, ZHANG Yingkui

## Original Contributions

- 56 A Survey of Current Practice in Acute Ischemic Stroke Endovascular Treatment in China in 2020 HUO Xiaochuan, LI Xiaoqing, MIAO Zhongrong, Expert Committee for Neurointervention Quality Control of National Center for Healthcare Quality Management in Neurological Diseases, Endovascular Treatment Working Committee of National Action for Quality Improvement of Acute Cerebral Infarction Reperfusion Therapy
- 66 Safety and Efficacy of Tirofiban in the Treatment of Mild to Moderate Non-Cardiogenic Ischemic Stroke Screened by MRI ZHANG Junliang, HUANG Shuangfeng, XU Luyao, XIANG Wei, ZHANG Manman, LIANG Zhigang
- 73 The Relationship between eGFR and 1-Year Mortality in Young and Middle-aged Patients with Acute Stroke in Xi'an ZHANG Yuyu, LIU Zhongzhong, LU Qingli, WANG Jing, LIU Pei, HOU Lina, ZHANG Na, LIN Xuemei, WANG Fang, WU Songdi
- 80 Predictive Value of P-Wave Indices for Atrial Fibrillation Detected after Stroke YANG Xiaomeng, WU Yueyang, YOU Jia, JIANG Yong, HUANG Xinying, WANG Yongjun

## Guidelines and Consensus

- 85 Brain Health Services: Organization, Structure, and Challenges for Implementation. A User Manual for Brain Health Services (Part 1) Translators: ZHENG Huaguang, LI Wenbo, WANG Ruiqing, WANG Yongjun

## Case Discussion

- 93 A Case of Paroxysmal Dyskinesia after Stroke WANG Qianqian, SHEN Xiang, GUI Yaxing, WANG Guodong, WU Yuncheng

## Reviews

- 97 Progress of Functional Neural Networks for Space Navigation WANG Huihui, BAI Qiuju, CHANG Linli, ZHANG Yanhai, CHI Liyi

## Teaching Garden

- 103 Survey of Expectations of Postgraduates in Cerebrovascular Disease on Their Supervisors and Implications for Tutors Training HUO Mofei, DU Xin, REN Yi

## Responsible Institution

Ministry of Science and Technology,  
P.R.C

## Sponsor

Institute of Scientific and Technical  
Information of China  
Scientific and Technical  
Documentation Press

## Honorary Chairman

ZHAO Jizong

## Editor-in-Chief

WANG Yongjun

## Associate Editors

Ka-Sing Wong

DONG Qiang

ZENG Jinsheng

WANG Chunxue

## Executive Editor

PAN Yuesong

## English Language Editor

David Z. Wang (USA)

## Managing Director

WANG Chunxue

## Edited and Published by

Editorial Department of Chinese Journal  
of Stroke

Fuxing Road No. 15, Haidian District,  
Beijing, 100038

Tel: (010) 58882845

<http://www.chinastroke.org.cn>

E-mail: [cjs@chinastroke.net](mailto:cjs@chinastroke.net)

## Domestic Distributor:

China Post Beijing Post Offices

Code No. 80-507

## Price

RMB 39.00 Yuan

## CSSN

ISSN 1673-5765

CN 11-5434/R