
Journal of Stroke and Cerebrovascular Diseases

OFFICIAL JOURNAL OF THE JAPAN STROKE SOCIETY

Follow us  @JSCVD2

Contents

Volume 28, Number 11

November 2019

REVIEW ARTICLES

- 104341 Water-Based Exercise on Functioning and Quality of Life in Poststroke Persons: A Systematic Review and Meta-Analysis**
Micheli B. Saquetto, Cássio M. da Silva, Bruno P. Martinez, Cristiano da Conceição Sena, Sarah S. Pontes, Mayra T.C. da Paixão, and Mansueto Gomes Neto

ORIGINAL ARTICLES

- 104143 The Value of the CHADS₂ and CHA₂DS₂-VASc Score for Predicting the Prognosis in Lacunar Stroke with or without Atrial Fibrillation Patients**
Hong-Jie Yang, Guang-Ji Wang, Wei Shuai, Cai-Jie Shen, Bin Kong, and He Huang
- 104282 Migraine History: A Predictor of Negative Diffusion-Weighted Imaging in IV-tPA-Treated Stroke Mimics**
Jussie Lima, Tapan Mehta, Neil Datta, Ekaterina Bakradze, Ilene Staff, Dawn Beland, and Amre Nouh
- 104288 Clematichinenoside Facilitates Recovery of Neurological and Motor Function in Rats after Cerebral Ischemic Injury through Inhibiting Notch/NF- κ B Pathway**
Dan Xu, Nian Xia, Kai Hou, Fengyang Li, Shijie Chen, Yahui Hu, Weirong Fang, and Yunman Li
- 104294 Cerebral Blood Flow Response During Bolus Normal Saline Infusion After Ischemic Stroke**
Michael T. Mullen, Ashwin B. Parthasarathy, Ali Zandieh, Wesley B. Baker, Rickson C. Mesquita, Caitlin Loomis, Jose Torres, Wensheng Guo, Christopher G. Favilla, Steven R. Messé, Arjun G. Yodh, John A. Detre, and Scott E. Kasner

CONTENTS

- 104296 The Effect of Continuous Theta-Burst Transcranial Magnetic Stimulation Combined with Prism Adaptation on the Neglect Recovery in Stroke Patients**
Shole Vatanparasti, Anoshirvan Kazemnejad, Ali Yoonessi, and Shahram Oveisgharan
- 104318 Medical Mobile Applications for Stroke Survivors and Caregivers**
Pirouz Piran, Jinu Thomas, Saroj Kunnakkat, Abhishek Pandey, Nadege Gilles, Sarah Weingast, Dee Burton, Clotilde Balucani, Steven R. Levine, and The Mobile Applications for Stroke (MAPPS) Investigators
- 104317 Educating Stroke/TIA Patients about Obstructive Sleep Apnea after Stroke: A Randomized Feasibility Study**
Laavanya Dharmakulaseelan, Nardin Kirolos, Maneesha Kamra, Armi Armesto-Heys, Cathy Bouthillier, Sharron Runions, Elizabeth Linkewich, Brian J. Murray, and Mark I. Boulos
- 104316 Urban Versus Rural Egypt: Stroke Risk Factors and Clinical Profile: Cross-Sectional Observational Study**
Nevine M. El Nahas, Hossam M. Shokri, Tamer M. Roushdy, Hany M. Aref, Salma M. Hamed, Ali S. Shalash, Mohamed I. Abdelrahem, Noha L. Dawood, Eman M. Abushady, Shady S. Georgy, Amr S. Zaki, and Rady Y. Bedros
- 104315 Acute Ischemic Stroke with Vessel Occlusion—Prevalence and Thrombectomy Eligibility at a Comprehensive Stroke Center**
Shashvat M. Desai, Matthew Starr, Bradley J. Molyneaux, Marcelo Rocha, Tudor G. Jovin, and Ashutosh P. Jadhav
- 104314 Development and Validation of an Exercise Programme for Recovery Balance Impairments in Poststroke Patients**
Almudena Medina-Rincón, Caritat Bagur-Calafat, Laura M. Pérez, Ana M. Barrios-Franquesa, and Montserrat Girabent-Farrés
- 104313 Fever Burden in Patients With Subarachnoid Hemorrhage and the Increased Use of Antibiotics**
Carolyn A. Magee, Melissa L. Thompson Bastin, Katelyn Graves, Donna Burgess, Melissa Nestor, John R. Lamm, and Aaron M. Cook

CONTENTS

- 104312 Pre-Existing Cerebral Small Vessel Disease Limits Early Recovery in Patients with Acute Lacunar Infarct**
Manuel Gómez-Choco, Juan José Mengual, Jon Rodríguez-Antigüedad, Martí Paré-Curell, Francisco Purroy, Ernest Palomeras, Blanca Fuentes, Xavier Ustrell, José Tembl, Manuel Rodríguez-Yañez, Mar Castellanos, Joan Martí-Fabregas, and Joaquín Serena
- 104305 Temporal Trends in Clinical Characteristics and Door-to-Needle Time in Patients Receiving Intravenous Tissue Plasminogen Activator: A Retrospective Study of 4 Hospitals in Japan**
Koji Tanaka, Shoji Matsumoto, Takeshi Yamada, Sukehisa Nagano, Kei-ichiro Takase, Taketo Hatano, Ryo Yamasaki, and Jun-ichi Kira
- 104304 Imaging Classification of Internal Carotid Artery Hypoplasia Based on Distal Ophthalmic Segment Occlusion**
Zhiyong Zhang, Zhiqin Liu, and Zunjing Liu
- 104320 Older Age Is Not Associated with Worse Outcomes Following Decompressive Hemicraniectomy for Spontaneous Intracerebral Hemorrhage**
Roy A. Poblete, Ling Zheng, Marcela Arenas, Alejandro Vazquez, Derek Yu, Benjamin A. Emanuel, May A. Kim-Tenser, Nerses Sanossian, and William Mack
- 104324 Cerebral Venous Sinus Thrombosis Score and its Correlation with Clinical and MRI Findings**
Jayantee Kalita, Varun K. Singh, Neeraj Jain, Usha K. Misra, and Sunil Kumar
- 104322 Nephrotic Syndrome is Associated with Increased Risk of Ischemic Stroke**
Jin-An Huang, Ching-Heng Lin, Yao-Tien Chang, Cheng-Ting Lee, and Ming-Ju Wu
- 104321 Usefulness of Oral Xa Inhibitor for Management of Ischemic Stroke Associated with Thrombosis in the Pulmonary Vein Stump after Lung Resection**
Takeo Amemiya, Tadahisa Shono, Keitaro Yamagami, Soh Takagishi, Hiroki Toma, Tomonari Koburai, Toru Eguchi, and Ichio Hirota
- 104333 Health Care Use and Its Associated Factors 5-8 Years after Stroke**
Henk J. Arwert, Iris F. Groeneveld, Thea P.M. Vliet Vlieland, and Jorit J.L. Meesters

CONTENTS

- 104332 Variability and Delay in Telestroke Physician Alert among Spokes in a Telestroke Network: A Need for Metric Benchmarks**
Amanda L. Jagolino-Cole, Shima Bozorgui, Christy M. Ankrom, Farhaan Vahidy, Arvind B. Bambhroliya, Jaskaren Randhawa, Alyssa D. Trevino, T.C. Cossey, Sean I. Savitz, and Tzu-Ching Wu
- 104331 Contribution of Onset-to-Alarm Time to Prehospital Delay in Patients with Ischemic Stroke**
Alejandro Gonzalez-Aquines, Adolfo C. Cordero-Pérez, Mario Cristobal-Niño, Gil Pérez-Vázquez, Fernando Góngora-Rivera, and GECEN Investigators
- 104330 The Effect of Motor and Cognitive Tasks on Gait in People with Stroke**
Emem Curuk, Nikita Goyal, and Alexander S. Aruin
- 104328 Development of Hemorrhage-prone Anastomoses in Asymptomatic Moyamoya Disease—A Comparative Study with Japan Adult Moyamoya Trial**
Shusuke Yamamoto, Takeshi Funaki, Miki Fujimura, Jun C. Takahashi, Haruto Uchino, Kiyohiro Houkin, Teiji Tominaga, Susumu Miyamoto, Satoshi Kuroda, and on behalf of the Asymptomatic Moyamoya Registry Investigators and the Japan Adult Moyamoya Trial Investigators
- 104327 The First 10 Thrombolysis for Acute Ischemic Stroke in Lao People's Democratic Republic under Teleconsultation from Thailand**
Aurauma Chutinet, Saysavath Keosodsay, Pongpat Vorasayan, Jitlada Samajarn, Wasan Akarathanawat, Naruchorn Kijpaisalratana, Naly Norsakpeseuth, Ketmany Phetsiriseng, Snong Thongsna, Pakkawan Vongvasinkul, and Nijasri C. Suwanwela
- 104340 Baseline Neutrophil Counts and Neutrophil Ratio May Predict a Poor Clinical Outcome in Minor Stroke Patients with intravenous Thrombolysis**
Huihui Liu, Ruojun Wang, Jijun Shi, Yanlin Zhang, Zhichao Huang, Shoujiang You, Guodong Xiao, Dapeng Wang, and Yongjun Cao
- 104339 Computational Fluid Dynamics Analysis of Lateral Striate Arteries in Acute Ischemic Stroke Using 7T High-resolution Magnetic Resonance Angiography**
Futoshi Mori, Fujimaro Ishida, Tatsunori Natori, Haruna Miyazawa, Hiroyuki Kameda, Taisuke Harada, Kunihiro Yoshioka, Fumio Yamashita, Ikuko Uwano, Kenji Ito, and Makoto Sasaki

CONTENTS

- 104337 **Repeated Use of 6-min Walk Test with Immediate Knowledge of Results for Walking Capacity in Chronic Stroke: Clinical Trial of Fast versus Slow Walkers**
Dong-Kyu Kim, and Duck-Won Oh
- 104336 **Unstable Carotid Plaque is Associated With Coagulation Function and Platelet Activity Evaluated by Thrombelastography**
Jiaqi Li, Hengqu Wu, Yong Hao, and Xiaoying Yao
- 104344 **Association of Prevalent Stroke with Hospitalization for Seizure: Patterns and Prognoses**
Alain Lekoubou, Kinfe G. Bishu, and Bruce Oobiagele
- 104351 **Comorbid Atrial Fibrillation in Cerebral Amyloid Angiopathy-related Intracerebral Hemorrhage: Between a Rock and a Hard Place**
Ashkan Shoamanesh, Andreas Charidimou, and Kevin N. Sheth
- 104342 **Long-Term Follow-Up of Cerebral Amyloid Angiopathy-Associated Intracranial Hemorrhage Reveals a High Prevalence of Atrial Fibrillation**
Johanna Kaiser, Karl-Michael Schebesch, Alexander Brawanski, Ralf A. Linker, Felix Schlachetzki, and Andrea Wagner
- 104345 **Determination of Clinical Cut-Off Values for Serum Cystatin C Levels to Predict Ischemic Stroke Risk**
Youyi Wang, Ying Zhang, Qinghua Ma, Congju Wang, Yong Xu, Hongpeng Sun, and Yana Ma
- 104343 **A Preliminary Study of Dual-Task Training Using Virtual Reality: Influence on Walking and Balance in Chronic Poststroke Survivors**
Pavel Fishbein, Yeshayahu Hutzler, Motti Ratmansky, Iuly Treger, and Ayelet Dunskey
- 104350 **In-Hospital and Long-Term Prognosis after Spontaneous Intracerebral Hemorrhage among Young Adults Aged 18-65 Years**
Francisco Bernardo, Leonor Rebordão, Sara Machado, Vasco Salgado, and Amélia Nogueira Pinto
- 104349 **Poor Sleep Quality I Related to Impaired Functional Status Following Stroke**
Ipek Sonmez, and Seide Karasel

CONTENTS

- 104353 The Yield of Multimodal Computed Tomography among Emergency Department Patients with Suspected Large Vessel Occlusion Stroke**
Yalda Serena Dastmalchi, and J. Adam Oostema
- 104358 The Prevalence of Multiple Comorbidities in Stroke Survivors in Rural Appalachia and the Clinical Care Implications**
Patrick H. Kitzman, Kathleen M. Sutton, Marc Wolfe, Lisa Bellamy, and Michael R. Dobbs
- 104356 Computer-Based Cognitive Rehabilitation in Patients with Visuospatial Neglect or Homonymous Hemianopia after Stroke**
Katrine Wordenskjold Svaerke, Kenneth Viktor Omkvoist, Inger Birgitte Havsteen, and Hanne Krarup Christensen
- 104355 Association between Common Genetic Variants in *ESR1* and Stroke Risk: A Systematic Review and Meta-Analysis**
Rong Fu, Yin Shen, and Jin Zheng
- 104354 A Case of Leukoencephalopathy and Small Vessels Disease Caused by a Novel *HTRA1* Homozygous Mutation**
Tuncay Gündüz, Yasemin Demirkol, Özlem Doğan, Serkan Demir, and Nihan Hande Akçakaya
- 104352 Serum Retinoic Acid Level and The Risk of Poststroke Cognitive Impairment in Ischemic Stroke Patients**
Le Hou, Caixia Ding, Zhao Chen, Yuanyue Liu, Haishan Shi, Cong Zou, Hui Zhang, Zhiwei Lu, and Dong Zheng
- 104359 Stroke-Related Knowledge and Lifestyle Behavior among Stroke Survivors**
Kashif Waqar Faiz, Angela Susan Labberton, Bente Thommessen, Ole Morten Rønning, and Mathias Barra
- 104363 Renal Dysfunction Associated with Symptomatic Intracranial Hemorrhage after Intravenous Thrombolysis**
Juehua Zhu, Xiahong Shen, Chunyan Han, Chunhao Mei, Yun Zhou, Hui Wang, Yan Kong, Yongjun Jiang, Qi Fang, and Xiuying Cai
- 104361 Hemicraniectomy for Supratentorial Primary Intracerebral Hemorrhage: A Retrospective, Propensity Score Matched Study**
Kasey L. Gildersleeve, Mohammad I. Hirzallah, Yoshua Esquenazi, Charles J. Moomaw, Padmini Sekar, Chunyan Cai, Nitin Tandon, Daniel Woo, and Nicole R. Gonzales

CONTENTS

- 104360 Symptomatic Intracerebral Hemorrhage after Intravenous Thrombolysis: Predictive Factors and Validation of Prediction Models**
Taha Nisar, Rajanigandhi Hanumanthu, and Priyank Khandelwal
- 104368 Mechanical Recanalization after Transfer from a Distant Primary Stroke Center: Effectiveness and Future Directions**
Geoffroy Farouil, Denis Sablot, Franck Leibinger, Laurène Van Damme, Francis Coll, Nicolas Gaillard, Majo Ibanez, Philippe Smadja, Laurent Benayoun, Anais Dutray, Maxime Tardieu, Ludovic Nguyen Them, Jean-Marie Bonnec, Snejana Jurici, Zoubir Mourad Bensalah, Nadège Olivier, Lucie Desmond, Bénédicte Fadat, Jean Louis Bertrand, Julie Mas, Aziz Akouz, Thibaut Allou, Isabelle Mourand, Adelaïde Ferraro-Allou, Adrian Dumitrana, Sabine Aptel, Caroline Arquizan, Vincent Costalat, and Alain Bonafe
- 104367 Prediction of Gait without Physical Assistance after Inpatient Rehabilitation in Severe Subacute Stroke Subjects**
M.G. Gianella, C.F. Gath, L. Bonamico, L.E. Olmos, and M.J. Russo
- 104371 Is There Equipose Regarding the Optimal Medical Treatment of Patients with Asymptomatic White Matter Hyperintensities?**
Adam de Havenon, Shyam Prabhakaran, Tanya Turan, Rebecca Gottesman, Sharon Yeatts, and Natalia Rost
- 104370 Subclinical Peripheral Arterial Disease in Patients with Acute Ischemic Stroke: A Study with Ultrasonography**
Yu Yong Shin, Sang Hee Ha, Ho Geol Woo, Sung Hyuk Heo, Dae-il Chang, and Bum Joon Kim
- 104376 Comparison of Fractional Anisotropy from Tract-Based Spatial Statistics with and without Lesion Masking in Patients with Intracerebral Hemorrhage: A Technical Note**
Tetsuo Koyama, Yuki Uchiyama, and Kazuhisa Domen
- 104373 Use of 3-Dimensional, Black-Blood, Contrast-Enhanced, T1-Weighted Magnetic Resonance Imaging to Identify Vascular Occlusion in the Posterior Circulation After Acute Ischemic Stroke**
Gyung Ho Chung, Seung Bae Hwang, and Hyo Sung Kwak

CONTENTS

- 104387 Effects of the Interaction among Motor Functions on Self-care in Individuals with Stroke**
Takaaki Fujita, Kazuaki Iokawa, Toshimasa Sone, Kazuhiro Yamane, Yuichi Yamamoto, Yoko Ohira, and Koji Otsuki
- 104391 Association of Ultrasonography and MRI Findings with Stroke Recurrence: Differences Between Patients with Past Histories of Atherothrombotic Versus Lacunar Infarctions**
Toshio Imaizumi, Shigeru Inamura, Aya Kanno, Tatsufumi Nomura, and Sang Nyon Kim
- 104396 Causes, Predictors, and Trends of Unplanned Readmissions after Elective Endovascular Embolization of Cerebral Aneurysms**
Haydn Hoffman, Matthew Protas, and Lawrence S. Chin
- 104395 Alcohol-Related Hospital Encounters Trigger Thrombotic and Hemorrhagic Vascular Events**
Caroline Gentile, Laura Stein, and Mandip S. Dhamoon

CASE REPORTS

- 104291 Floating Aortic Thrombus: A Rare Cause of Acute Ischemic Stroke Necessitating Modification of Access Route for Thrombectomy**
Sinan Balci, Ethem Murat Arsava, Mehmet Akif Topcuoglu, and Anil Arat
- 104309 Dural Sinus Thrombosis with Nonsymptomatic Persistent Falcine Sinus: A Case Report**
Ayako Shioya, Ryota Mashiko, Masanari Shiigai, Yasunobu Nakai, Nobuyuki Takahashi, Hiroyuki Kobayashi, Toshiyuki Irie, and Akira Tamaoka
- 104308 Cardiac Arrhythmias and Acute Cerebrovascular Events: A Case of QT Prolongation and Torsades de Pointes Early After Right Insular Stroke**
Ilaria Jane Romano, Antonio Lippolis, Margherita D'Anna, and Francesco Gentile
- 104306 Carotid-Cavernous Sinus Fistula caused by Persistent Primitive Trigeminal Artery Aneurysm rupture: A case report**
Yu Fan, Yuechun Li, Tianyou Zhang, Changchun Jiang, and Peng Zhang

CONTENTS

- 104319 Intraoperative Aneurysm Rupture during Resection for Presumed Metastasis**
Anna L. Kühn, Katyucia de Macedo Rodrigues, and Ajit S. Puri
- 104326 Rapid Disappearance of Intraventricular Mobile Structures with Steroids in Eosinophilic Granulomatosis with Polyangiitis**
Kenichi Sakuta, Shinji Miyagawa, Kenichiro Suzuki, and Hiroshi Yaguchi
- 104325 Intracardiac Thrombus Following Rivaroxaban Treatment in a Patient with Atrial Fibrillation Associated with Rheumatic Heart Disease**
Hiroaki Ohara, Shiro Yamamoto, Keiko Nagano, and Kazuo Hashikawa
- 104338 Cerebral Venous Thrombosis after Red Blood Cell Transfusion for the Treatment of Iron Deficiency Anemia**
Taku Inada, Nobutake Sadamasa, Ryota Motoie, Norikazu Yamana, and Waro Taki
- 104357 Intracranial Hemorrhage Diagnosed with Transcranial Ultrasound in a Comatose, Postliver Transplant Patient**
Amedeo Bianchini, Rocco D'Andrea, Berin Lepic, Lorenzo Querci, Cristiana Laici, and Antonio Siniscalchi
- 104366 "Basilar Web" Causing Basilar Branch Infarction**
Charles Esenwa, Daniel Labovitz, and Louis R. Caplan
- 104365 Clinical and Radiological Difficulties to Detect Isolated MCA Dissection before Intravenous tPA Therapy**
Kazuhiro Yoshioka, and Takahisa Mori
- 104364 A Case of Cerebral Venous Thrombosis and Deep Venous Thrombosis Due to Hyperthyroidism with Increased Factor VIII Activity**
Mutsumi Yokoyama, Ryotaro Yamashita, Masayuki Furuya, Maiko Yamazaki, Kazuo Koyama, and Fumiaki Tanaka
- 104374 "Clip Anchor-Assisted Coil Embolization" for Endovascular Parent Artery Occlusion of Intracranial Traumatic Aneurysm**
Hitoshi Fukuda, Toshio Yanagawa, Fumihiko Horikawa, Norio Nakajima, Masashi Kitagawa, Benjamin Lo, and Keisuke Yamada

CONTENTS

CORRESPONDENCE

- 104334 Comment on: External Validation of the PREMISE Score in the Athens Stroke Registry**
Thomas Gattringer, Alexandra Posekany, Stefan Kiechl, Franz Fazekas, and Christian Enzinger

CORRIGENDUM

- 104394 Corrigendum to 'External Validation of the PREMISE Score in the Athens Stroke Registry' [Journal of Stroke and Cerebrovascular disease 28 (2019) 1806–1809/10.1016/j.jstrokecerebrovasdis.2019.04.023]**
George Ntaios, George Georgiopoulos, Eleni Korompoki, and Konstantinos Vemmos

RETRACTION NOTICE

- 104426 Retraction notice to "An Open-Label Trial Comparing Alendronate and Alphacalcidol in Reducing Falls and Hip Fractures in Disabled Stroke Patients" [Journal of Stroke and Cerebrovascular Diseases, Volume 20, Issue 1, January-February 2011, Pages 41-46]**
Yoshihiro Sato, Jun Iwamoto, and Yoshiaki Honda