

## 研究実績

### 主要論文及び著書

1. Time-outcome relationship in acute large-vessel occlusion exists across all ages: subanalysis of RESCUE-Japan Registry 2. Todo K, Yoshimura S, Uchida K, Yamagami H, Sakai N, Kishima H, Mochizuki H, Ezura M, Okada Y, Kitagawa K, Kimura K, Sasaki M, Tanahashi N, Toyoda K, Furui E, Matsumaru Y, Minematsu K, Kitano T, Okazaki S, Sasaki T, Sakaguchi M, Takagaki M, Nishida T, Nakamura H, Morimoto T; RESCUE-Japan Registry 2 Investigators. *Sci Rep.* 2021 Jun 17;11(1):12782. doi: 10.1038/s41598-021-92100-7.
2. Clinical Trial of the New Stent Retriever Tron FX for both Proximal and Distal Intracranial Large Vessel Occlusions. Imamura H, Sakai N, Yamagami H, Satow T, Matsumoto Y, Imai K, Ota S, Horie N, Kondo R, Enomoto Y, Yoshimura S, Hirohata M, Shibata M, Matsumaru Y, Ohara N, Sakai C; T-01 trial Investigators. *J Stroke Cerebrovasc Dis.* 2021 Mar;30(3):105585. doi: 10.1016/j.jstrokecerebrovasdis.2020.105585. Epub 2021 Jan 5.
3. Effect of Statin Administration After Onset of Acute Ischemic Stroke With Large Vessel Occlusion: Insights From RESCUE-Japan Registry 2. Uchida K, Yoshimura S, Imamura H, Ohara N, Sakai N, Tanaka K, Yamagami H, Matsumoto Y, Takeuchi M, Morimoto T; RESCUE - Japan Registry 2 Investigators \*. *J Am Heart Assoc.* 2020 Dec;9(23):e017472. doi: 10.1161/JAHA.120.017472. Epub 2020 Nov 23.
4. Tumor Embolism Through Right-to-Left Shunt Due to Venous Invasion of Esophageal Carcinoma. Araki S, Maekawa K, Kobayashi K, Sano T, Yabana T, Shibata M, Miya F. *J Stroke Cerebrovasc Dis.* 2020 Dec;29(12):105352. doi: 10.1016/j.jstrokecerebrovasdis.2020.105352. Epub 2020 Oct 1.
7. Safety of Early Administration of Apixaban on Clinical Outcomes in Patients with Acute Large Vessel Occlusion. Yoshimura S, Uchida K, Sakai N, Imamura H, Yamagami H, Tanaka K, Ezura M, Nonaka T, Matsumoto Y, Shibata M, Ohta H, Morimoto M, Fukawa N, Hatano T, Enomoto Y, Takeuchi M, Ota T, Shimizu F, Kimura N, Kamiya Y, Shimamura N, Morimoto T. *Transl Stroke Res.* 2021 Apr;12(2):266-274. doi: 10.1007/s12975-020-00839-4. Epub 2020 Aug 7.
8. Clinical Outcome of Patients With Large Vessel Occlusion and Low National Institutes of Health Stroke Scale Scores: Subanalysis of the RESCUE-Japan Registry 2. Saito T, Itabashi R, Yazawa Y, Uchida K, Yamagami H, Sakai N, Morimoto T, Yoshimura S; RESCUE-Japan Registry 2 Investigators. *Stroke.* 2020 May;51(5):1458-1463. doi: 10.1161/STROKEAHA.119.028562. Epub 2020 Apr 16.
9. Impact of Endovascular Therapy in Patients With Large Ischemic Core: Subanalysis of Recovery by Endovascular Salvage for Cerebral Ultra-Acute Embolism Japan Registry 2. Kakita H, Yoshimura S, Uchida K, Sakai N, Yamagami H, Morimoto T; RESCUE-Japan Registry 2 Investigators. *Stroke.* 2019 Apr;50(4):901-908. doi: 10.1161/STROKEAHA.118.024646. Epub 2019 Mar 18.
10. Aseptic Meningitis as an Initial Manifestation of Anti-myelin Oligodendrocyte Glycoprotein Antibody-associated Disease. Suzuki T, Maekawa K, Matsuo K, Yamasaki M, Shibata M, Takahashi T, Naito Y. *Intern Med.* 2019 Nov 15;58(22):3319-3321. doi: 10.2169/internalmedicine.2845-19. Epub 2019 Jul 22.
11. Cholesterol Crystals in Embolic Debris are Associated with Postoperative Cerebral Embolism after Carotid Artery Stenting. Maekawa K, Shibata M, Nakajima H, Kitano Y, Seguchi M, Kobayashi K, Sano T, Yabana T, Miya F. *Cerebrovasc Dis.* 2018;46(5-6):242-248. doi: 10.1159/000495795. Epub 2019 Jan 2.

12. Erythrocyte-Rich Thrombus Is Associated with Reduced Number of Maneuvers and Procedure Time in Patients with Acute Ischemic Stroke Undergoing Mechanical Thrombectomy. Maekawa K, Shibata M, Nakajima H, Mizutani A, Kitano Y, Seguchi M, Yamasaki M, Kobayashi K, Sano T, Mori G, Yabana T, Naito Y, Shimizu S, Miya F. *Cerebrovasc Dis Extra*. 2018;8(1):39-49. doi: 10.1159/000486042. Epub 2018 Jan 15.
13. Multiple Cerebral Infarctions Due to Patent Foramen Ovale in a Patient with Eosinophilic Granulomatosis with Polyangiitis. Maekawa K, Shibata M, Seguchi M, Kobayashi K, Naito Y, Miya F. *J Stroke Cerebrovasc Dis*. 2018 Jun;27(6):e92-e94. doi: 10.1016/j.jstrokecerebrovasdis.2017.12.022. Epub 2018 Jan 17.
14. The Safety of Carotid Artery Stenting for Patients in the Acute Poststroke Phase. Seguchi M, Shibata M, Sato Y, Maekawa K, Kitano Y, Sano T, Kobayashi K, Shimizu S, Miya F. *J Stroke Cerebrovasc Dis*. 2018 Jan;27(1):83-91. doi: 10.1016/j.jstrokecerebrovasdis.2017.08.008. Epub 2017 Sep 6.
15. Acute-phase Thrombectomy Involving Posterior Circulation: Review in a Single Institution. Hirofumi Nishikawa, Masunari Shibata, Takanori Sano, Kota Maekawa, Yu Seguchi, Yotaro Kitano, Kazuto Kobayashi, Genshin Mori, Shigetoshi Shimizu, and Fumitaka Miya. *Journal of Neuroendovascular Therapy Advance Published Date: November 7, 2016*
16. Inflammatory biomarkers in atherosclerosis: pentraxin 3 can become a novel marker of plaque vulnerability. Shindo A, Tanemura H, Yata K, Hamada K, Shibata M, Umeda Y, Asakura F, Toma N, Sakaida H, Fujisawa T, Taki W, Tomimoto H. *PLoS One*. 2014 Jun 17;9(6):e100045. doi: 10.1371/journal.pone.0100045. eCollection 2014.
17. [Case of ipsilateral monoparesis by lacunar infarction: a consideration on the pathological mechanism]. Taniguchi A, Ii Y, Kawana Y, Asahi M, Naito Y, Shibata M, Maeda M, Tomimoto H. *Brain Nerve*. 2011 Feb;63(2):177-80.
18. Chronic cerebral hypoperfusion accelerates amyloid beta deposition in APPSwInd transgenic mice. Kitaguchi H, Tomimoto H, Ihara M, Shibata M, Uemura K, Kalaria RN, Kihara T, Asada-Utsugi M, Kinoshita A, Takahashi R. *Brain Res*. 2009 Oct 19;1294:202-10. doi: 10.1016/j.brainres.2009.07.078. Epub 2009 Jul 30.
19. Selective impairment of working memory in a mouse model of chronic cerebral hypoperfusion. Shibata M, Yamasaki N, Miyakawa T, Kalaria RN, Fujita Y, Ohtani R, Ihara M, Takahashi R, Tomimoto H. *Stroke*. 2007 Oct;38(10):2826-32. doi: 10.1161/STROKEAHA.107.490151. Epub 2007 Aug 30.
20. Loss of cholinergic pathways in vascular dementia of the Binswanger type. Tomimoto H, Ohtani R, Shibata M, Nakamura N, Ihara M. *Dement Geriatr Cogn Disord*. 2005;19(5-6):282-8. doi: 10.1159/000084553. Epub 2005 Mar 21.
21. White matter lesions and glial activation in a novel mouse model of chronic cerebral hypoperfusion. Shibata M, Ohtani R, Ihara M, Tomimoto H. *Stroke*. 2004 Nov;35(11):2598-603. doi: 10.1161/01.STR.0000143725.19053.60. Epub 2004 Oct 7.
22. Different mechanisms of corpus callosum atrophy in Alzheimer's disease and vascular dementia. Tomimoto H, Lin JX, Matsuo A, Ihara M, Ohtani R, Shibata M, Miki Y, Shibasaki H. *J Neurol*. 2004 Apr;251(4):398-406. doi: 10.1007/s00415-004-0330-6.
23. Ibudilast, a phosphodiesterase inhibitor, protects against white matter damage under chronic cerebral hypoperfusion in the rat. Wakita H, Tomimoto H, Akiguchi I, Lin JX, Ihara M, Ohtani R, Shibata M. *Brain Res*. 2003 Nov 28;992(1):53-9. doi: 10.1016/j.brainres.2003.08.028.
24. A comparative study on the expression of cyclooxygenase and 5-lipoxygenase during cerebral ischemia in humans.

Tomimoto H, Shibata M, Ihara M, Akiguchi I, Ohtani R, Budka H. Acta Neuropathol. 2002 Dec;104(6):601-7. doi: 10.1007/s00401-002-0590-0. Epub 2002 Jul 16.

25. 血栓回収療法の実際: 血栓回収療法における時間短縮の取り組み. 柴田益成. 脳と循環 Vol.22 No.1, 35-39, 2017 メディカルレビュー社
26. ここまで来た循環器領域の低侵襲治療: 頸動脈狭窄に対するステント治療. 柴田益成. 内科 Volume 122, Issue 2, 293 - 296 (2018) 南江堂
27. 神経疾患 common disease の診かたー内科医のための minimum requirement 脳血管障害の診かた. 柴田益成 Medicina Vol 48, Issue8,1372-1377(2011) 医学書院
28. 脳卒中専門医のための画像診断: Multiphase CTA と 4D-CTA, 柴田益成. 分子脳血管病 Vol.16 No.2(2017) 先端医学社
29. 脳動脈瘤コイル塞栓術ハンドブック: 神経学的診断. 柴田益成 滝和郎. 診断と治療社(2010)
30. 主要疾患の最新の話 2013 脳卒中 ～rt-PA 療法の現状と展望～ 柴田益成 Medicament News ライフサイエンス社
31. 4D-CTA が開く急性脳虚血病態解析の新たな地平. 柴田益成. 脳循環代謝/30 巻 (2018) 1 号
32. 急性期脳梗塞治療ー現状と近未来ー: 「インターベンションistよ! 外へ出よう!」～過疎地域を含む現場発の広域ネットワーク OISESAN NET～ 柴田益成, 吉村紳一 The Mt.Fuji Workshop on CVD vol.34(2016) にゅーろん社

## 国際学会

1. The Successful/Partial Early Reperfusion After IV rt-PA Before Mechanical Thrombectomy. Kazuto Kobayashi, Kota Maekawa, Masunari Shibata, Masayoshi Yamasaki, Takanori Sano, Yutaka Naito, Fumitaka Miya. International Stroke Conference2019: Feb 6 - 8 |Honolulu, HI
2. Intravenous Thrombolysis Preceding Mechanical Thrombectomy is Associated With Reduced Procedure Time and Lower Proportion of Fibrin in Retrieved Thrombus Kota Maekawa, Masunari Shibata, Kazuto Kobayashi, Takanori Sano, Yutaka Naito, Tadashi Yabana, Fumitaka Miya. International Stroke Conference2019: Feb 6 - 8 |Honolulu, HI
3. Fibrin Rich Thrombus versus Erythrocyte Rich Thrombus in Acute Large Vessel Occlusion Kota Maekawa, Masunari Shibata, Masaru Seguchi, Kazuto Kobayashi, Hidetaka Nakajima, Akane Mizutani, Yotaro Kitano, Masayoshi Yamasaki, Takanori Sano, Motonobu Mori, Shigetoshi Shimizu, Tadashi Yabana, Yutaka Naito, Fumitaka Miya. International Stroke Conference 2018. Jan. 23-26, 2018. Los Angeles, California.
4. The Efficacy of Intracranial Thrombectomy for Acute Ischemic Stroke in Posterior Circulation. Masaru Seguchi, Masunari Shibata, Hideki Nakajima, Kota Maekawa, Yotaro Kitano, Akane Mizutani, Takanori Sano, Kobayashi Kazuto, Masayoshi Yamasaki, Hiroshi Tanemura, Genshin Mouri, Yutaka Naito, Fumitaka Miya. XXIII World Congress of Neurology. Septemer16-21 2017. Kyoto, Japan
5. Current status of mechanical thrombectomy and telestroke in rural Japan Masunari Shibata<sup>1</sup>, Takanori Sano<sup>2</sup>, Kazuto Kobayashi<sup>1</sup>, Kota Maekawa<sup>1</sup>, Masaru Seguchi<sup>1</sup>, Hiroshi Tanemura<sup>2</sup>, Yotaro Hitano<sup>2</sup>, Hideki Nakajima<sup>2</sup>, Fumitaka Miya<sup>2</sup> <sup>1</sup> Department of Neuroendvascular therapy, Stroke Center, Japanese Red Cross Ise Hospital, <sup>2</sup> Department of Neurosurgery, Stroke Center, Japanese Red Cross Ise Hospita XIIIth International Conference on Cerebrovascular Surgery. Oct27-29 2017. Nagoya, Japan