

Stanford



Haruto Uchino

Postdoctoral Research Fellow, Neurosurgery

Bio

PROFESSIONAL EDUCATION

- Doctor of Medicine, Hokkaido University (2008)
- Doctor of Philosophy, Hokkaido University (2017)

STANFORD ADVISORS

- Gary Steinberg, Postdoctoral Faculty Sponsor

Research & Scholarship

LAB AFFILIATIONS

- Gary Steinberg (4/1/2018)

Publications

PUBLICATIONS

- **Circulating miRNome profiling in Moyamoya disease-discordant monozygotic twins and endothelial microRNA expression analysis using iPS cell line** *BMC MEDICAL GENOMICS*
Uchino, H., Ito, M., Kazumata, K., Hama, Y., Hamauchi, S., Terasaka, S., Sasaki, H., Houkin, K.
2018; 11: 72
- **Novel insights into symptomatology of moyamoya disease in pediatric patients: survey of symptoms suggestive of orthostatic intolerance** *JOURNAL OF NEUROSURGERY-PEDIATRICS*
Uchino, H., Kazumata, K., Ito, M., Nakayama, N., Houkin, K.
2017; 20 (5): 485–88
- **Synergistic Interactions Between Direct and Indirect Bypasses in Combined Procedures: The Significance of Indirect Bypasses in Moyamoya Disease** *NEUROSURGERY*
Uchino, H., Kim, J., Fujima, N., Kazumata, K., Ito, M., Nakayama, N., Kuroda, S., Houkin, K.
2017; 80 (2): 201–8
- **Edaravone Reduces Hyperperfusion-Related Neurological Deficits in Adult Moyamoya Disease Historical Control Study** *STROKE*
Uchino, H., Nakayama, N., Kazumata, K., Kuroda, S., Houkin, K.
2016; 47 (7): 1930–32
- **A novel application of four-dimensional magnetic resonance angiography using an arterial spin labeling technique for noninvasive diagnosis of Moyamoya disease** *CLINICAL NEUROLOGY AND NEUROSURGERY*
Uchino, H., Ito, M., Fujima, N., Kazumata, K., Yamazaki, K., Nakayama, N., Kuroda, S., Houkin, K.
2015; 137: 105-111

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- **Intraoperative assessment of cortical perfusion by indocyanine green videoangiography in surgical revascularization for moyamoya disease** *ACTA NEUROCHIRURGICA*
Uchino, H., Kazumata, K., Ito, M., Nakayama, N., Kuroda, S., Houkin, K.
2014; 156 (9): 1753–60
 - **Semiquantitative analysis of indocyanine green videoangiography for cortical perfusion assessment in superficial temporal artery to middle cerebral artery anastomosis** *ACTA NEUROCHIRURGICA*
Uchino, H., Nakamura, T., Houkin, K., Murata, J., Saito, H., Kuroda, S.
2013; 155 (4): 599–605
 - **Intraoperative Dual Monitoring During Carotid Endarterectomy Using Motor Evoked Potentials and Near-Infrared Spectroscopy** *WORLD NEUROSURGERY*
Uchino, H., Nakamura, T., Kuroda, S., Houkin, K., Murata, J., Saito, H.
2012; 78 (6): 651–57
 - **Predictors and clinical features of postoperative hyperperfusion after surgical revascularization for moyamoya disease: a serial single photon emission CT/positron emission tomography study.** *Stroke*
Uchino, H., Kuroda, S., Hirata, K., Shiga, T., Houkin, K., Tamaki, N.
2012; 43 (10): 2610–16
 - **Persistent Primitive Olfactory Artery as Novel Collateral Channel to the Anterior Cerebral Artery in Moyamoya Disease.** *Journal of stroke and cerebrovascular diseases : the official journal of National Stroke Association*
Kamo, T., Uchino, H., Saito, H., Kashiwazaki, D., Akioka, N., Kuwayama, N., Kuroda, S.
2018
 - **Cerebral Hyperperfusion Syndrome After Revascularization Surgery in Moyamoya Disease: Region-Symptom Mapping and Estimating a Critical Threshold** *WORLD NEUROSURGERY*
Kazumata, K., Uchino, H., Tokairin, K., Ito, M., Shiga, T., Osanai, T., Kawabori, M.
2018; 114: E388–E395
 - **Factors influencing cerebral aneurysm obliteration and reliability of indocyanine green video-angiography** *ACTA NEUROCHIRURGICA*
Gekka, M., Nakayama, N., Uchino, H., Houkin, K.
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 - **Postoperative Intracerebral Hemorrhage After Combined Revascularization Surgery in Moyamoya Disease: Profiles and Clinical Associations.** *World neurosurgery*
Tokairin, K., Kazumata, K., Uchino, H., Ito, M., Ono, K., Tatezawa, R., Shindo, T., Kawabori, M., Nakayama, N., Houkin, K.
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 - **Efficacy of Carotid Endarterectomy for Mild (<50%) Symptomatic Carotid Stenosis with Unstable Plaque.** *World neurosurgery*
Kashiwazaki, D., Shiraiishi, K., Yamamoto, S., Kamo, T., Uchino, H., Saito, H., Akioka, N., Kuwayama, N., Noguchi, K., Kuroda, S.
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 - **Downregulation of Apolipoprotein-E and Apolipoprotein-J in Moyamoya Disease-A Proteome Analysis of Cerebrospinal Fluid** *JOURNAL OF STROKE & CEREBROVASCULAR DISEASES*
Kashiwazaki, D., Uchino, H., Kuroda, S.
2017; 26 (12): 2981–87
 - **Mapping altered brain connectivity and its clinical associations in adult moyamoya disease: A resting-state functional MRI study** *PLOS ONE*
Kazumata, K., Tha, K., Uchino, H., Ito, M., Nakayama, N., Abumiya, T.
2017; 12 (8): e0182759
 - **Topographic changes in cerebral blood flow and reduced white matter integrity in the first 2 weeks following revascularization surgery in adult moyamoya disease** *JOURNAL OF NEUROSURGERY*
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 - **Direct Anastomosis Using Occipital Artery for Additional Revascularization in Moyamoya Disease After Combined Superficial Temporal Artery-Middle Cerebral Artery and Indirect Bypass** *OPERATIVE NEUROSURGERY*
Kazumata, K., Kamiyama, H., Saito, H., Maruichi, K., Ito, M., Uchino, H., Nakayama, N., Kuroda, S., Houkin, K.
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- **Proposal for a Prospective Registry for Moyamoya Disease in Japan** *NEUROLOGIA MEDICO-CHIRURGICA*
Kazumata, K., Ito, M., Uchino, H., Nishihara, H., Houkin, K.
2017; 57 (2): 66-72
- **Cellular Functions and Gene and Protein Expression Profiles in Endothelial Cells Derived from Moyamoya Disease-Specific iPS Cells** *PLOS ONE*
Hamauchi, S., Shichinohe, H., Uchino, H., Yamaguchi, S., Nakayama, N., Kazumata, K., Osanai, T., Abumiya, T., Houkin, K., Era, T.
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- **Characteristics of Diffusional Kurtosis in Chronic Ischemia of Adult Moyamoya Disease: Comparing Diffusional Kurtosis and Diffusion Tensor Imaging** *AMERICAN JOURNAL OF NEURORADIOLOGY*
Kazumata, K., Tha, K. K., Narita, H., Ito, Y. M., Shichinohe, H., Ito, M., Uchino, H., Abumiya, T.
2016; 37 (8): 1432-39
- **Investigating Brain Network Characteristics Interrupted by Covert White Matter Injury in Patients with Moyamoya Disease: Insights from Graph Theoretical Analysis** *WORLD NEUROSURGERY*
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- **Familial moyamoya disease in two Turkish siblings with same polymorphism in RNF213 gene but different clinical features** *CHILDS NERVOUS SYSTEM*
Bayram, A., Yilmaz, E., Per, H., Ito, M., Uchino, H., Doganay, S., Houkin, K., Unal, E.
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- **Postoperative Acute Submandibular Sialadenitis after Neurosurgery: Two Case Reports and a Review of the Literature.** *NMC case report journal*
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- **Irregular Neointimal Lining with Prominent Proliferative Activity After Carotid Patch Angioplasty: An Autopsy Case Report** *WORLD NEUROSURGERY*
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- **Transient crossed cerebellar diaschisis due to cerebral hyperperfusion following surgical revascularization for moyamoya disease: case report.** *Neurologia medico-chirurgica*
Hokari, M., Kuroda, S., Simoda, Y., Uchino, H., Hirata, K., Shiga, T., Nakayama, N., Houkin, K., Tamaki, N.
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- **[Flow diversion by double-overlapping-stent for fusiform vertebral artery aneurysm: a case report].** *No shinkei geka. Neurological surgery*
Uchino, H., Asano, T., Nakayama, N., Kuroda, S., Houkin, K.
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- **[Multiple infectious intracranial lesions of Mycobacterium genavense in an immunocompromised patient].** *Brain and nerve = Shinkei kenkyu no shinpo*
Uchino, H., Terasaka, S., Yamaguchi, S., Kobayashi, H., Kawai, K., Kubota, K., Ooe, S., Houkin, K.
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