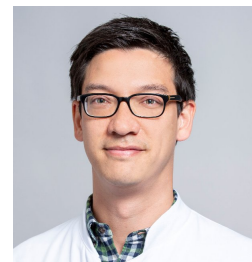


Bastian Cheng  
Department of Neurology



## Research Interests

Bastian Cheng is a consultant neurologist at the University Medical Hospital in Hamburg. His clinical focus lies on diagnosis and treatment of patients with stroke and cerebrovascular diseases. Scientific key interests are structural and functional magnetic resonance imaging in stroke, multimodal approaches of lesion-symptom inference as well as modelling and analysis of localized and large-scale structural brain networks in stroke and cerebrovascular disease relating to clinical recovery.

## Employment

### Department of Neurology

University Medical Center Hamburg-Eppendorf  
01.01.2009 → gegenwärtig

## Research outputs

### Subjective evaluation of home environment and levels of self-reported depression in middle to old age: Results from the HCHS study

Ascone, L., Mascherek, A., Weber, S., Fischer, D., Augustin, J., Cheng, B., Thomalla, G., Augustin, M., Zyriax, B-C., Gallinat, J. & Kühn, S., 05.2024, In: J CLIN PSYCHOL. 80, 5, p. 1115-1129 15 p.

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**Intravenous Thrombolysis in Patients With White Matter Hyperintensities in the WAKE-UP Trial**

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**Patient-Reported Quality of Life After Intravenous Alteplase for Stroke in the WAKE-UP Trial**

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### **Mapping the deficit dimension structure of the National Institutes of Health Stroke Scale**

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### **Cortical thickness of contralesional cortices positively relates to future outcome after severe stroke**

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### **Early effect of thrombolysis on structural brain network organisation after anterior-circulation stroke in the randomized WAKE-UP trial**

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### **New remote cerebral microbleeds in acute ischemic stroke: an analysis of the randomized, placebo-controlled WAKE-UP trial**

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### **Supervised Contrastive Learning to Classify Paranasal Anomalies in the Maxillary Sinus**

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### **Structural cerebellar reserve positively influences outcome after severe stroke**

Sadeghihassanabadi, F., Frey, B. M., Backhaus, W., Choe, C-U., Zittel, S., Schön, G., Bönstrup, M., Cheng, B., Thomalla, G., Gerloff, C. & Schulz, R., 04.08.2022, In: BRAIN COMMUN. 4, 6, p. fcac203

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Lamprecht, R., Rimmele, D. L., Schnabel, R. B., Heydecke, G., Seedorf, U., Walther, C., Mayer, C., Struppek, J., Borof, K., Behrendt, C.-A., Cheng, B., Gerloff, C., Debus, S., Smeets, R., Beikler, T., Blankenberg, S., Zeller, T., Karakas, M., Thomalla, G. & Aarabi, G., 08.2022, In: J PERIODONTAL RES. 57, 4, p. 824-834 11 p.

**Association of stroke lesion shape with newly detected atrial fibrillation – Results from the MonDAFIS study**

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**Diffusion-Weighted Imaging and Fluid-Attenuated Inversion Recovery Quantification to Predict Diffusion-Weighted Imaging-Fluid-Attenuated Inversion Recovery Mismatch Status in Ischemic Stroke With Unknown Onset**

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**Estimating nocturnal stroke onset times by magnetic resonance imaging in the WAKE-UP trial**

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**Association of Age and Structural Brain Changes With Functional Connectivity and Executive Function in a Middle-Aged to Older Population-Based Cohort**

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**Cerebral Microbleeds and Treatment Effect of Intravenous Thrombolysis in Acute Stroke: An Analysis of the WAKE-UP Randomized Clinical Trial**

Schlemm, L., Braemswig, T. B., Boutitie, F., Vynckier, J., Jensen, M., Galinovic, I., Simonsen, C. Z., Cheng, B., Cho, T.-H., Fiehler, J., Puig, J., Thijs, V., Fiebach, J., Muir, K., Nighoghossian, N., Ebinger, M., Pedraza, S., Thomalla, G., Gerloff, C., Endres, M., Lemmens, R., Nolte, C. H. & WAKE-UP Investigators, 18.01.2022, In: NEUROLOGY. 98, 3, p. e302-e314

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**Association of White Blood Cell Count With Clinical Outcome Independent of Treatment With Alteplase in Acute Ischemic Stroke**

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**Intrinsic functional brain connectivity is resilient to chronic hypoperfusion caused by unilateral carotid artery stenosis**

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**Association of COVID-19 with Intracranial Hemorrhage during Extracorporeal Membrane Oxygenation for Acute Respiratory Distress Syndrome: A 10-Year Retrospective Observational Study**

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**White matter degeneration revealed by fiber-specific analysis relates to recovery of hand function after stroke**

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#### **Linking cortical atrophy to white matter hyperintensities of presumed vascular origin**

Mayer, C., Frey, B. M., Schlemm, E., Petersen, M., Engelke, K., Hanning, U., Jagodzinski, A., Borof, K., Fiehler, J., Gerloff, C., Thomalla, G. & Cheng, B., 07.2021, In: J CEREBR BLOOD F MET. 41, 7, p. 1682-1691 10 p.

#### **Reversible Edema in the Penumbra Correlates With Severity of Hypoperfusion**

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