超高磁場MRI診断・病態研究部門

氏名	所属	職名	取得学位	専門分野	主な論文・著作・業績
佐々木　真理	超高磁場MRI診断・病態研究部門	教授	博士（医学）	放射線科学、神経放射線診断学、磁気共鳴医学	①Sasaki M, Kudo K, Honjo K, Hu JQ, Wang HB, Shintaku K: Prediction of infarct volume and neurologic outcome by using automated multiparametric perfusion-weighted magnetic resonance imaging in a primate model of permanent middle cerebral artery occlusion. J Cereb Blood Flow Metab 31:448-456 (2011) ②Hirano T, Sasaki M, Mori E, Minematsu K, Nakagawara J, Yamaguchi T: Residual Vessel Length on Magnetic Resonance Angiography Identifies Poor Responders to Alteplase in Acute Middle Cerebral Artery Occlusion Patients: Exploratory Analysis of the Japan Alteplase Clinical Trial II. Stroke 41:2828-2833 (2010) ③Sasaki M, Kudo K, Ogasawara K, Fujiwara S: Tracer delay-insensitive algorithm can improve reliability of CT perfusion imaging for cerebrovascular steno-occlusive disease: comparison with quantitative single-photon emission CT. AJNR Am J Neuroradiol 30:188-193 (2009) ④Sasaki M, Yamada K, Watanabe Y, Matsui M, Ida M, Fujiwara S, Shibata E: Variability in absolute apparent diffusion coefficient values across different platforms may be substantial: a multivendor, multi-institutional comparison study. Radiology 249:624-630 (2008) ⑤Shibata E, Sasaki M, Tohyama K, Otsuka K, Endoh J, Terayama Y, Sakai A: Use of neuromelanin-sensitive MRI to distinguish schizophrenic and depressive patients and healthy individuals based on signal alterations in the substantia nigra and locus ceruleus. Biol Psychiatry 64:401-406 (2008)
山下　典生	超高磁場MRI診断・病態研究部門	助教	博士（医学）	脳形態計測、画像情報処理、画像診断システム	①Maikusa N, Yamashita F, Tanaka K, Abe O, Kawaguchi A, Kabasawa H, Chiba S, Kasahara A, Kobayashi N, Yuasa T, Sato N, Matsuda H and Iwatsubo T: Improved volumetric measurement of brain structure with a distortion correction procedure using an ADNI phantom. Med Phys 40(6):062303 (2013) ②Matsuda H, Mizumura S, Nemoto K, Yamashita F, Imabayashi E, Sato N, Asada T: Automatic voxel-based morphometry of structural MRI by SPM8 plus diffeomorphic anatomic registration through exponentiated lie algebra improves the diagnosis of probable Alzheimer Disease. AJNR Am J Neuroradiol. 33:1109-14 (2012) ③Yamashita F, Sasaki M, Takahashi S, Matsuda H, Kudo K, Narumi S, Terayama Y, Asada T: Detection of changes in cerebrospinal fluid space in idiopathic normal pressure hydrocephalus using voxel-based morphometry. Neuroradiology. 52:381-6 (2010) ④Hashimoto R, Hirata Y, Asada T, Yamashita F, Nemoto K, Mori T, Moriguchi Y, Kunugi H, Arima K, Ohnishi T: Effect of the brain-derived neurotrophic factor and the apolipoprotein E polymorphisms on disease progression in preclinical Alzheimer's disease. Genes Brain Behav. 8:43-52. (2009) ⑤Hirao K, Ohnishi T, Hirata Y, Yamashita F, Mori T, Moriguchi Y, Matsuda H, Nemoto K, Imabayashi E, Yamada M, Iwamoto T, Arima K, Asada T: The prediction of rapid conversion to Alzheimer's disease in mild cognitive impairment using regional cerebral blood flow SPECT. Neuroimage. 28:1014-21. (2005)

超高磁場MRI診断・病態研究部門

氏名	所属	職名	取得学位	専門分野	主な論文・著作・業績
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