

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	<p>①Oshida S, Mori F, Sasaki M, Sato Y, Kobayashi M, Yoshida K, Fujiwara S, Ogasawara K: Wall Shear Stress and T1 Contrast Ratio Are Associated With Embolic Signals During Carotid Exposure in Endarterectomy. Stroke. 49(9):2061-2066 (2018)</p> <p>②Uwano I, Kudo K, Sato R, Ogasawara K, Kameda H, Nomura JI, Mori F, Yamashita F, Ito K, Yoshioka K, Sasaki M: Noninvasive Assessment of Oxygen Extraction Fraction in Chronic Ischemia Using Quantitative Susceptibility Mapping at 7 Tesla. Stroke. 48(8):2136-2141 (2017)</p> <p>③Low SK, Takahashi A, Ebana Y, Ozaki K, Christophersen IE, Ellinor PT; AFGen Consortium, Ogishima S, Yamamoto M, Satoh M, Sasaki M, Yamaji T, Iwasaki M, Tsugane S, Tanaka K, Naito M, Wakai K, Tanaka H, Furukawa T, Kubo M, Ito K, Kamatani Y, Tanaka T: Identification of six new genetic loci associated with atrial fibrillation in the Japanese population. Nature genetics. 49(6):953-958 (2017)</p> <p>④Hachiya T, Kamatani Y, Takahashi A, Hata J, Furukawa R, Shiwa Y, Yamaji T, Hara M, Tanno K, Ohmomo H, Ono K, Takashima N, Matsuda K, Wakai K, Sawada N, Iwasaki M, Yamagishi K, Ago T, Ninomiya T, Fukushima A, Hozawa A, Minegishi N, Satoh M, Endo R, Sasaki M, Sakata K, Kobayashi S, Ogasawara K, Nakamura M, Hitomi J, Kita Y, Tanaka K, Iso H, Kitazono T, Kubo M, Tanaka H, Tsugane S, Kiyohara Y, Yamamoto M, Sobue K, Shimizu A: Genetic Predisposition to Ischemic Stroke: A Polygenic Risk Score. Stroke. 48(2):253-258 (2017)</p> <p>⑤Kudo K, Liu T, Murakami T, Goodwin J, Uwano I, Yamashita F, Higuchi S, Wang Y, Ogasawara K, Ogawa A, Sasaki M: Oxygen extraction fraction measurement using quantitative susceptibility mapping: Comparison with positron emission tomography. Journal of cerebral blood flow and metabolism. 36(8):1424-1433 (2016)</p>
山下 典生	超高磁場MRI診断・病態研究部門	講師	博士（医学）	医用画像、画像処理、画像診断システム	<p>①Yamashita F, Sasaki M, Fukumoto K, Otsuka K, Uwano I, Kameda H, Endoh J, Sakai A: Detection of changes in the ventral tegmental area of patients with schizophrenia using neuromelanin-sensitive MRI. Neuroreport 27(5):289-294 (2016)</p> <p>②Okada N, Fukunaga M, Yamashita F, Koshiyama D, Yamamori H, Ohi K, Yasuda Y, Fujimoto M, Watanabe Y, Yahata N, Nemoto K, Hibar DP, van Erp TG, Fujino H, Isobe M, Isomura S, Natsubori T, Narita H, Hashimoto N, Miyata J, Koike S, Takahashi T, Yamasue H, Matsuo K, Onitsuka T, Iidaka T, Kawasaki Y, Yoshimura R, Watanabe Y, Suzuki M, Turner JA, Takeda M, Thompson PM, Ozaki N, Kasai K, Hashimoto R: Abnormal asymmetries in subcortical brain volume in schizophrenia. Mol Psychiatry doi: 10.1038/mp.2015.209. (2016)</p> <p>③Yamashita F, Sasaki M, Saito M, Mori E, Kawaguchi A, Kudo K, Natori T, Uwano I, Ito K, Saito K: Voxel-based morphometry of disproportionate cerebrospinal fluid space distribution for the differential diagnosis of idiopathic normal pressure hydrocephalus. J Neuroimaging 24(4):359-365 (2014)</p> <p>④Maikusa 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)</p> <p>⑤Yamashita 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)</p>

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
上野 育子	超高磁場MRI診断・病態研究部門	助教	博士（ソフトウェア情報学） 博士（医学）	医用画像、画像処理、画像診断システム	<p>①Todate Y, Uwano I, Yashiro S, Chida A, Hasegawa Y, Oda T, Nagasawa K, Honma H, Sasaki M, Ishigaki Y: High Prevalence of Cerebral Small Vessel Disease on 7T Magnetic Resonance Imaging in Familial Hypercholesterolemia. J Atheroscler Thromb. Epub (2019)</p> <p>②Nomura JI, Uwano I, Sasaki M, Kudo K, Yamashita F, Ito K, Fujiwara S, Kobayashi M, Ogasawara K: Preoperative Cerebral Oxygen Extraction Fraction Imaging Generated from 7T MR Quantitative Susceptibility Mapping Predicts Development of Cerebral Hyperperfusion following Carotid Endarterectomy. AJNR Am J Neuroradiol. 38(12):2327-2333 (2017)</p> <p>③Uwano I, Kudo K, Sato R, Ogasawara K, Kameda H, Nomura JI, Mori F, Yamashita F, Ito K, Yoshioka K, Sasaki M: Noninvasive Assessment of Oxygen Extraction Fraction in Chronic Ischemia Using Quantitative Susceptibility Mapping at 7 Tesla. Stroke 48(8):2136-2141 (2017)</p> <p>④Uwano I, Sasaki M, Kudo K, Boutelier T, Kameda H, Mori F, Yamashita F: Tmax Determined Using a Bayesian Estimation Deconvolution Algorithm Applied to Bolus Tracking Perfusion Imaging: A Digital Phantom Validation Study. Magn Reson Med Sci 10:16(1):32-37 (2017)</p> <p>⑤Kudo K, Uwano I, Hirai T, Murakami R, Nakamura H, Fujima N, Yamashita F, Goodwin J, Higuchi S, Sasaki M: Comparison of Different Post-Processing Algorithms for Dynamic Susceptibility Contrast Perfusion Imaging of Cerebral Gliomas. Magn Reson Med Sci. 10:16(2):129-136 (2017)</p>
松田 豪	超高磁場MRI診断・病態研究部門	助教	修士(医科学)	医用画像、画像診断システム、生体計測	<p>①Matsuda T, Kimura H, Kabasawa H, Kanamoto M: Three-dimensional arterial spin labeling imaging with a DANTE preparation pulse. Magn Reson Imaging. (49): 131-137. (2018)</p> <p>②Kosaka N, Fujiwara Y, Kurokawa T, Matsuda T, Kanamoto M, Takei N, Takata K, Takahashi J, Yoshida Y, Kimura H: Evaluation of retained products of conception using pulsed continuous arterial spin-labeling MRI: clinical feasibility and initial results. MAGMA. 31(4):577-584 (2018).</p> <p>③Kameda H, Kudo K, Matsuda T, Harada T, Iwadate Y, Uwano I, Yamashita F, Yoshioka K, Sasaki M: 3. Improvement of the repeatability of parallel transmission at 7T using interleaved acquisition in the calibration scan. J Magn Reson Imaging 48(1):94-101 (2018)</p> <p>④Kim DW, Shim WH, Yoon SK, Oh JY, Kim JK, Jung H, Matsuda T, Kim D. J: 5. Measurement of arterial transit time and renal blood flow using pseudocontinuous ASL MRI with multiple post-labeling delays: Feasibility, reproducibility, and variation. J Magn Reson Imaging. 46(3):813-819 (2017)</p> <p>⑤特願2018-106552「名称 磁気共鳴イメージング装置」</p>
森 太志	超高磁場MRI診断・病態研究部門	助教	博士(情報科学)	数値流体力学解析、バイオメカニクス、医用画像、画像処理	<p>① Mori F, Ishida F, Natori T, Miyazawa H, Kameda H, Harada T, Yoshioka K, Yamashita F, Uwano I, Ito K, Sasaki M. Computational fluid dynamics analysis of lateral striate arteries in acute ischemic stroke using 7T high-resolution MRA. J Stroke Cerebrovasc Dis (2019, in press)</p> <p>②Oshida S, Mori F, Sasaki M, Sato Y, Kobayashi M, Yoshida K, Fujiwara S, Ogasawara K. Wall Shear Stress and T1 Contrast Ratio Are Associated With Embolic Signals During Carotid Exposure in Endarterectomy. Stroke. 2018;49(9): 2061-2066</p> <p>③Mori F, Hanida S, Kumahata K, Miyabe-Nishiwaki T, Suzuki J, Matsuzawa T, Nishimura T. Minor Contributions of the Maxillary Sinus to the Air-conditioning Performance in Macaque Monkeys, J Exp Biol. 2015;218(Pt15):2394-2401</p> <p>④Mori F, Ohta M, Matsuzawa T. Changes in Blood Flow due to Stented Parent Artery Expansion in an Intracranial Aneurysm, Technol Health Care. 2015;23(1):9-21</p> <p>⑤Mori F, Hanida S, Ohta M, Matsuzawa T. Effect of parent artery expansion by stent placement in cerebral aneurysms, Technol Health Care. 2014;22(2):209-223</p>