

氏名	所属	職名	取得学位	専門分野	主な論文・著作・業績
山下 典生	超高磁場MR I 診断・ 病態研究部門	准教授	博士（医学）	医用画像 画像処理 画像診断システム	① Yamashita 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) ② Yamashita 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) ③ Maikusa 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) ④ Yamashita 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(5):381-386 (2010) ⑤ 特許第6211211号「名称：磁気共鳴イメージング装置用ファントム」
上野 育子	超高磁場MR I 診断・ 病態研究部門	講師	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	① Kimura K, Akamatsu Y, Fujimoto K, Uwano I, Sasaki M, Fujiwara S, Kobayashi M, Koji T, Yoshida K, Terasaki K, Ogasawara K: Susceptibility changes on preoperative acetazolamide-loaded 7T MR quantitative susceptibility mapping predict post-carotid endarterectomy cerebral hyperperfusion. AJNR Am J Neuroradiol. 46(8):1579-1586 (2025) ② Yabuki M, Akamatsu Y, Uwano I, Mori F, Sasaki M, Yoshioka K, Chida K, Kobayashi M, Fujiwara S, Ogasawara K: Association between preoperative cortical magnetic susceptibility and postoperative changes in the cerebral blood flow on cognitive improvement following carotid endarterectomy. Cerebrovasc Dis. 54(1):20-29 (2025) ③ Uwano I, Kobayashi M, Setta K, Ogasawara K, Yamashita F, Mori F, Matsuda T, Sasaki M: Assessment of impaired cerebrovascular reactivity in chronic cerebral ischemia using intravoxel incoherent motion magnetic resonance imaging. J Stroke Cerebrovasc Dis. 30(12):106107 (2021) ④ Uwano I, Kameda H, Harada T, Kobayashi M, Yanagihara W, Setta K, Ogasawara K, Yoshioka K, Yamashita F, Mori F, Matsuda T, Sasaki M: Detection of impaired cerebrovascular reactivity in patients with chronic cerebral ischemia using whole-brain 7T MRA. J Stroke Cerebrovasc Dis. 29(9):105081 (2020) ⑤ Uwano 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)
松田 豪	超高磁場MR I 診断・ 病態研究部門	助教	博士（医学）	医用画像 画像診断システム 生体計測	① Matsuda T, Iwadate Y, Mori F, Takeda K, Sasaki M: Using phase difference information to detect errors in the flip angle measured with actual flip angle imaging at 7T. Magn Reson Med Sci. 23(1):102-109 (2024) ② 松田 豪, 他: STEAM法による7T脳プロトンスペクトロスコピーの信号平均化数最適化の検討. 第52回日本磁気共鳴医学会大会. 千葉 (2024) ③ 松田 豪, 他: 7T actual flip angle imaging法における位相情報を用いた計測エラー画素の検出. 第51回日本磁気共鳴医学会大会. 軽井沢 (2023) ④ 松田 豪: FID-AによるLCModel basis-set作成. 第34回臨床MR脳機能研究会. 東京 (2023) ⑤ Igarashi S, Chida K, Matsuda T, Takeda K, Hayakawa S, Tsutsui S, Fujiwara S, Kubo Y, Sasaki M, Ogasawara K: Assessment of magnetic field interactions and heating for cerebral aneurysm flow diverters during 7T MRI. Neuroradiology. 65(12):1809-1812 (2023)

森 太志	超高磁場MR I 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 画像処理	① Mori F, Saito M, Fujimoto K, Kubo Y, Koji T, Akamatsu Y, Ogasawara K, Matsuda T, Uwano I, Yamashita F, Tanaka R, Sasaki M: Accuracy of computational fluid dynamics indices of unruptured cerebral aneurysms with 3 T magnetic resonance angiography. Neuroradiology. (2025 Epub) ② Dobashi K, Akamatsu Y, Yoshida J, Chida K,Koji T, Mori F,Yoshida K, Kubo Y, Sasaki M, Ogasawara K: Flow diversion effect in a saphenous vein graft aneurysm using a double-layer micromesh stent: a case report. Oper Neurosurg (Hagerstown). (2024 Epub) ③ Mori F, Kaneko A, Matsuzawa T, Nishimura T: Computational fluid dynamics simulation wall model predicting air temperature of the nasal passage for nonhuman primates. Am J Phys Anthropol. 174(4):839-845 (2021) ④ 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 magnetic resonance angiography. J Stroke Cerebrovasc Dis. 28(11):104339 (2019) ⑤ Oshida S, Mori F, Sasaki M, Sato Y, Kobayshi 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)
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