


Curriculum Vitae

| Personal Information | |
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| Title | Prof. |
| Name | Hiroyuki Kabasawa |
| Degree | PhD |
| Country | Japan |
| Affiliation | International University of Health and Welfare |
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| Educational Background | |
| Apr, 2004 - Mar, 2008 Graduate School of Medicine, The University of Tokyo (PhD in Medical Sciences) | |
| Apr, 1991 - Mar, 1993 Applied Physics, Graduate School of Science and Engineering, Tokyo Institute of Technology (MSc in Applied Physics) | |
| Apr, 1987 - Mar, 1991 School of Science, Tokyo Institute of Technology (BS in Applied Physics) | |
| Professional Career | |
| Apr, 2020 - Present | Professor, Department of Radiological Sciences, International University of Health and Welfare |
| Sep, 2017 - Mar, 2020 | Global MR Vascular application manager, MR Applications, GE Healthcare |
| Jul, 2011 - Aug, 2017 | Manager, MR applied science laboratory Asia Pacific, GE Healthcare |
| Jan, 2010 - Jul, 2011 | Manager, MR applied science laboratory Japan, GE Healthcare |
| Apr, 1993 - Dec, 2009 | MR Scientist, Applied Science Laboratory, GE Healthcare Japan |
| Board of Trustees, Japanese Society for Magnetic Resonance in Medicine. 2022-Present | |
| Editor in Chief, Japanese Journal of Magnetic Resonance in Medicine. 2022-Present | |
| Board of Directors, Asian Society of Magnetic Resonance in Medicine. 2021-2023 | |
| Research Field | |
| Pulse Sequence development | |
| Image analysis, Image processing | |
| Diffusion/Perfusion MRI | |
| High field MRI | |
| Virtual MRI scanner development and its application to MR technologist education/training | |
| Main Scientific Publications | |
| [1] Pulse Sequences and Reconstruction in Fast MR Imaging of the Liver. <u>Kabasawa H</u> , Kiryu S. Magn Reson Med Sci. 2023 Apr 1;22(2):176-190. | |
| [2] Impact of deep learning reconstruction on intracranial 1.5 T magnetic resonance angiography. Yasaka K, Akai H, Sugawara H, Tajima T, Akahane M, Yoshioka N, <u>Kabasawa H</u> , Miyo R, Ohtomo K, Abe O, Kiryu S. Jpn J Radiol. 2022 May;40(5):476-483. | |
| [3] MR Imaging in the 21st Century: Technical Innovation over the First Two Decades. <u>Kabasawa H</u> . Magn Reson Med Sci. 2022 Mar 1;21(1):71-82. | |
| [4] Silent navigator-triggered silent MRI of the abdomen. Iwadate Y, Nozaki A, Nunokawa Y, Okuda S, Jinzaki M, <u>Kabasawa H</u> . Magn Reson Med. 2018 Apr;79(4):2170-2175. | |
| [5] Robust automated bolus tracker positioning for MRI liver scans. Goto T, <u>Kabasawa H</u> . Magn Reson Imaging. 2015 Jan;33(1):63-71. | |
| [6] Enhancement of respiratory navigator-gated three-dimensional spoiled gradient-recalled echo sequence with variable flip angle scheme. Iwadate Y, Brau AC, Vasanawala SS, <u>Kabasawa H</u> . Magn Reson Med. 2014 Jul;72(1):172-7. | |
| [7] Quantitative diffusion tensor analysis using multiple tensor ellipsoids model and tensor field interpolation at fiber crossing. <u>Kabasawa H</u> , Masutani Y, Abe O, Aoki S, Ohtomo K. Acad Radiol. 2008 Jan;15(1):84-92. | |
| [8] 3T PROPELLER diffusion tensor fiber tractography: a feasibility study for cranial nerve fiber tracking. <u>Kabasawa H</u> , Masutani Y, Aoki S, Abe O, Masumoto T, Hayashi N, Ohtomo K. Radiat Med. 2007 Nov;25(9):462-6. | |
| [9] Diffusion tensor imaging for preoperative evaluation of tumor grade in gliomas. Inoue T, Ogasawara K, Beppu T, Ogawa A, <u>Kabasawa H</u> . Clin Neurol Neurosurg. 2005 Apr;107(3):174-80. | |
| [10] Discrimination of metastatic cervical lymph nodes with diffusion-weighted MR imaging in patients with head and neck cancer. Sumi M, Sakihama N, Sumi T, Morikawa M, Uetani M, <u>Kabasawa H</u> , Shigeno K, Hayashi K, Takahashi H, Nakamura T. AJNR Am J Neuroradiol. 2003 Sep;24(8):1627-34. | |