



Valentina Mazzoli

Postdoctoral Research Fellow, Radiology

Bio

PROFESSIONAL EDUCATION

- Doctor of Philosophy, Technische Universiteit Eindhoven (2017)
- Master of Science, Technische Universiteit Eindhoven (2013)
- Bachelor of Science, Università Degli Studi Di Bologna (2010)

Publications

PUBLICATIONS

- **T1rho-mapping for assessing knee joint cartilage in children with juvenile idiopathic arthritis - feasibility and repeatability.** *Pediatric radiology*
Barendregt, A. M., Mazzoli, V., van den Berg, J. M., Kuijpers, T. W., Maas, M., Nederveen, A. J., Hemke, R.
2019
- **Crossing muscle fibers of the human tongue resolved in vivo using constrained spherical deconvolution** *JOURNAL OF MAGNETIC RESONANCE IMAGING*
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- **A noninvasive MRI based approach to estimate the mechanical properties of human knee ligaments.** *Journal of the mechanical behavior of biomedical materials*
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- **Crossing muscle fibers of the human tongue resolved in vivo using constrained spherical deconvolution.** *Journal of magnetic resonance imaging : JMIR*
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2019
- **An advanced magnetic resonance imaging perspective on the etiology of deep tissue injury.** *Journal of applied physiology (Bethesda, Md. : 1985)*
Nelissen, J. L., Traa, W. A., de Boer, H. H., de Graaf, L., Mazzoli, V., Savci-Heijink, C. D., Nicolay, K., Froeling, M., Bader, D. L., Nederveen, A. J., Oomens, C. W., Strijkers, G. J.
2018
- **Accelerated 4D phase contrast MRI in skeletal muscle contraction.** *Magnetic resonance in medicine*
Mazzoli, V., Gottwald, L. M., Peper, E. S., Froeling, M., Coolen, B. F., Verdonschot, N., Sprengers, A. M., van Ooij, P., Strijkers, G. J., Nederveen, A. J.
2018
- **Accelerated 4D self-gated MRI of tibiofemoral kinematics.** *NMR in biomedicine*
Mazzoli, V., Schoormans, J., Froeling, M., Sprengers, A. M., Coolen, B. F., Verdonschot, N., Strijkers, G. J., Nederveen, A. J.
2017; 30 (11)
- **Assessment of passive muscle elongation using Diffusion Tensor MRI: Correlation between fiber length and diffusion coefficients** *NMR IN BIOMEDICINE*
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2016; 29 (12): 1813-1824

- **A novel diffusion-tensor MRI approach for skeletal muscle fascicle length measurements.** *Physiological reports*
Oudeman, J., Mazzoli, V., Marra, M. A., Nicolay, K., Maas, M., Verdonshot, N., Sprengers, A. M., Nederveen, A. J., Strijkers, G. J., Froeling, M.
2016; 4 (24)
- **Water and fat separation in real-time MRI of joint movement with phase-sensitive bSSFP.** *Magnetic resonance in medicine*
Mazzoli, V., Nederveen, A. J., Oudeman, J., Sprengers, A., Nicolay, K., Strijkers, G. J., Verdonshot, N.
2016
- **Diffusion-Prepared Neurography of the Brachial Plexus With a Large Field-of-View at 3T** *JOURNAL OF MAGNETIC RESONANCE IMAGING*
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2016; 43 (3): 644-654