Function and structure of the eye muscles in myasthenia gravis: novel methods to aid in diagnosis and understanding of pathophysiology

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List of publications

Keene KR, van Vught L, van de Velde NM, Ciggaar IA, Notting IC, Genders SW, et al. The feasibility of quantitative MRI of extra-ocular muscles in myasthenia gravis and Graves' orbitopathy. NMR Biomed 2021;34:e4407. *doi: 10.1002/nbm.4407*.

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Curriculum Vitae

Kevin Keene was born on the 22th of February 1992 in Delft, the Netherlands. In 2010 he completed gymnasium secondary school at Marnix College in Ede and moved to Leiden to study medicine. In 2018 he graduated and got his master in medicine and his master in biomedical sciences at the Leiden University Medical Center (LUMC). During his clinical internships he focused on neurology. His biomedical research internships were in the department of human genetics on whole genome sequencing and in the department of clinical neurophysiology studying diagnostic in myasthenia gravis.

After obtaining his bachelor's degree in medicine and pre-master biomedical sciences in 2013, he joined the full-time board of the rowing association Asopos de Vliet as treasurer for a year. After this he kept volunteering for Asopos de Vliet and became a member of merit in 2021. Next to medicine and biomedical research, Kevin always had an interest in computer technology and worked at a medical informatics company MEDrecord during his bachelor's degree and worked at Nictiz for half a year in 2018.

Kevin started as a PhD student at the LUMC in 2018 at the department of neurology, radiology and ophthalmology studying ocular symptoms in myasthenia gravis, under the supervision of prof. dr. Jan Verschuuren, dr. Martijn Tannemaat, dr. Hermien Kan and dr. Jan-Willem Beenakker. In his PhD he collaborated in Duchenne and Becker research in the LUMC and in Pompe research with the Erasmus University Medical Center.

Currently he is working as a resident in neurology at the Haga Hospital in The Hague.

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I can look back to interesting discussions during scientific meetings of the C.J. Gorter MRI center, the myasthenia gravis research group, the MR-EYE research group and the Duchenne muscular dystrophy research group. Many thanks for all the insights, knowledge and feedback. It was very inspiring to be able to participate in three departments: the neurology department, the radiology department and the ophthalmology department.

Also many thanks to everybody for the research collaborations and the opportunity to learn about other research field and other diseases. Thanks to you I learned a lot about Duchenne and Becker muscular dystrophy, about Pompe disease, manu other neuromuscular diseases, many neurodegenerative disease, eye disease and even about brown fat. Furthermore, I am also grateful for all the conferences I was allowed to go to. The ISMRM in Montreal, the many ISMRM Benelux editions, the ESMRMB in Rotterdam, the MYO-MRI conference in Berlin, the conference of the MGFA in Miami, the NOG conferences in Groningen and all the digital conferences during the covid pandemic.

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