

Cover Page



Universiteit Leiden



The handle <http://hdl.handle.net/1887/41483> holds various files of this Leiden University dissertation

Author: Huijbers, Maartje

Title: The pathophysiology of MuSK myasthenia gravis

Issue Date: 2016-07-06

The pathophysiology of MuSK myasthenia gravis

Maartje G. Huijbers

This thesis was supported by ArgenX, Prinses Beatrix Spierfonds and L'Association Française contre les myopathies

Cover design: Bureau Kleur door Putri

Layout & Printing: Off Page, Amsterdam

ISBN: 978-94-6182-681-7

Copyright © 2016 by Martina Gerardina Maria Huijbers

All rights reserved. No parts of this thesis may be reprinted, reproduced or utilised in any form or by electronic, mechanical, or other means, now known or hereafter devised, including photocopying and recording in any information storage or retrieval system without the expressed, written consent of the author.

The pathophysiology of MuSK myasthenia gravis

Proefschrift

ter verkrijging van
de graad van Doctor aan de Universiteit Leiden
op gezag van Rector Magnificus prof.mr.C.J.J.M. Stolker,
volgens besluit van het College voor Promoties
te verdedigen op 6 juli 2016
klokke 13.45

Door

Martina Gerardina Maria Huijbers
Geboren te Eindhoven
in 1985

PROMOTOREN

Prof. Dr. J. J. G. M. Verschuuren

Prof. Dr. Ir. S. M. van der Maarel

CO-PROMOTOR

Dr. J. J. Plomp

LEDEN PROMOTIECOMMISSIE

Prof. Dr. S. J. Burden

Skirball Institute of Biomolecular Medicine,
NYU Medical Center, New York City

Prof. Dr. M. Yazdanbakhsh

Prof. Dr. J. H. J. Wokke

University Medical Center Utrecht, Utrecht

TABLE OF CONTENTS

Chapter 1	General introduction <i>Journal of Internal Medicine</i> 2014; 275(1):12-26.	9
Chapter 2	Muscle-specific kinase myasthenia gravis IgG4 auto-antibodies cause severe neuromuscular junction dysfunction in mice <i>Brain</i> . 2012 Apr;135(Pt 4):1081-101.	37
Chapter 3	MuSK IgG4 auto-antibodies cause myasthenia gravis by inhibiting binding between MuSK and LRP4 <i>Proceedings of the National Academy of Sciences</i> . 2013 Dec 17;110 (51):20783-8.	77
Chapter 4	Longitudinal epitope mapping in MuSK myasthenia gravis: implications for disease severity <i>Journal of Neuroimmunology</i> 2016 Feb 15;291:82-8.	99
Chapter 5	Myasthenia gravis with muscle specific kinase antibodies mimicking amyotrophic lateral sclerosis. <i>Neuromuscular Disorders</i> , 2016 June; 26(6):350-3.	117
Chapter 6	General discussion <i>European Journal of Neurology</i> . 2015; 22(8):1151-61.	127
Addendum	English summary	157
	Nederlandse samenvatting	161
	List of publications	165
	Curriculum Vitae	169
	Dankwoord	171

Aan mijn ouders

