

Cover Page



Universiteit Leiden



The handle <http://hdl.handle.net/1887/20985> holds various files of this Leiden University dissertation

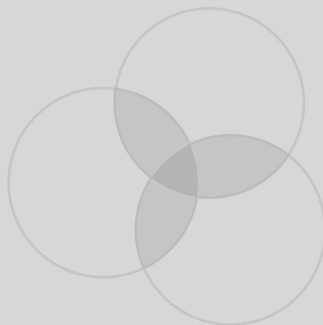
Author: Bijlsma, Astrid

Title: The definition of sarcopenia

Issue Date: 2013-06-20

The definition of sarcopenia

Astrid Y. Bijlsma



ISBN: 978-94-6191-700-3

© 2013 A.Y. Bijlsma

Copyright of each chapter is with the Publisher of the journal in which the work has appeared. No part of this thesis may be reproduced, stored in a retrieval system or transmitted in any form or by any means, without permission of the author or, when appropriate, of the publisher of publications.

Layout: A.Y. Bijlsma

Cover illustration: Chuyen Pham

Printed by Ipskamp Drukkers B.V., Enschede, The Netherlands

Financial support for the printing of this thesis by the Nederlandse Vereniging voor Gerontologie (Dutch Society for Gerontology), Nutricia Advanced Medical Nutrition, Forcelink B.V., McRoberts, Biospace, H.M. Meijers B.V., and MYOAGE (FP7, HEALTH-2007-2.4.5-10) is gratefully acknowledged.

The definition of sarcopenia

Proefschrift

ter verkrijging van

de graad van Doctor aan de Universiteit Leiden

op gezag van de Rector Magnificus prof.mr. C.J.J.M. Stolker

volgens het besluit van het College voor Promoties

te verdedigen op donderdag 20 juni 2013

klokke 13.45 uur

door

Astrid Y. Bijlsma

geboren te Rotterdam

in 1983

Promotiecommissie

Promotores

Prof. dr. R.G.J. Westendorp

Prof. dr. A.B. Maier (VU Medisch Centrum)

Co-promotor

Dr. C.G.M. Meskers

Overige leden

Prof. dr. S. Sippilä (University of Jyväskylä, Finland)

Prof. dr. J.H. van Dieën (Vrije Universiteit Amsterdam)

Prof. dr. R.G.H.H. Nelissen

*...The sixth age shifts
Into the lean and slipper'd pantaloon,
With spectacles on nose, and pouch on side,
His youthful hose well sav'd, a world too wide,
For his shrunk shank...*

(Shakespeare, The Seven Ages of Man)

Contents

Chapter 1	General introduction and outline of thesis	9
Chapter 2	Sarcopenie: Op weg naar klinische toepasbaarheid	17
Chapter 3	Chronology of age-related disease definitions: Osteoporosis and Sarcopenia	31
Chapter 4	Defining sarcopenia: the impact of different diagnostic criteria on the prevalence of sarcopenia in a large middle aged cohort	47
Chapter 5	Diagnostic criteria for sarcopenia and physical performance.....	67
Chapter 6	Diagnostic criteria sarcopenia relate differently to insulin resistance.....	85
Chapter 7	Diagnostic measures for sarcopenia and bone mineral density.....	103
Chapter 8	Muscle strength rather than muscle mass is associated with standing balance in elderly outpatients	125
Chapter 9	Key findings and general discussion	147
Chapter 10	Summary in Dutch - Nederlandse Samenvatting	165
	Acknowledgements - Dankwoord	174
	List of Publications	176
	List of Co-author Affiliations	178
	About the Author.....	181

