

Cover Page



Universiteit Leiden



The handle <http://hdl.handle.net/1887/35586> holds various files of this Leiden University dissertation

Author: Markusse, Iris

Title: Long-term outcomes of targeted treatment in early rheumatoid arthritis

Issue Date: 2015-09-30

Long-term outcomes of targeted treatment
in early rheumatoid arthritis

Iris Marjolein Markusse

ISBN/EAN: 9789462330764

© Iris Markusse 2015

All rights reserved. No part of this thesis may be reproduced in any form without written permission from the authors or, as appropriate, of the publishers of the publications.

The BeSt study was designed and conducted by rheumatologists participating in the Foundation for Applied Rheumatology Research. The study was supported by a government grant from the Dutch Insurance Companies, with additional funding from Schering-Plough B.V. and Janssen B.V.

Printing: Gildeprint, Enschede

Cover design: Pauline Baartmans, www.paulinebaartmans.nl

Layout design: Midas Mentink, www.midasmentink.nl

Printing of this thesis was financially supported by Dutch Arthritis Foundation, Crescendio Bioscience, Pfizer B.V., Chipsoft B.V., Abbvie B.V.

Long-term outcomes of targeted treatment in early rheumatoid arthritis

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 woensdag 30 september 2015
klokke 13.45 uur

door

Iris Marjolein Markusse

geboren te Heemstede
in 1988

PROMOTIECOMMISSIE

Promotores	Prof. dr. T.W.J. Huizinga Prof. dr. W.F. Lems (VUmc, Amsterdam)
Copromotor	Dr. C.F. Allaart
Promotiecommissie	Prof. dr. D.M.F.M. van der Heijde Prof. dr. T. Stijnen Prof. dr. M. Boers (VUmc, Amsterdam) Dr. S.E. Geerlings (AMC, Amsterdam)

After climbing a great hill,
one only finds that there are
many more hills to climb

Nelson Mandela

1918 – 2013

CONTENT

Chapter 1	General introduction and outline	9
Chapter 2	Feasibility of tailored treatment based on risk stratification in patients with early rheumatoid arthritis	25
Chapter 3	A multi-biomarker disease activity score for rheumatoid arthritis predicts radiographic joint damage in the BeSt study	43
Chapter 4	Linear extrapolation of missing radiographic change scores in clinical trials does not spuriously overestimate group radiographic changes in rheumatoid arthritis	55
Chapter 5	Long-term outcomes of patients with recent-onset rheumatoid arthritis after 10 years of tight controlled treatment: a randomized trial	71
Chapter 6	Effectiveness of four dynamic treatment strategies in patients with anti-citrullinated protein antibody-negative rheumatoid arthritis – a randomised trial	97
Chapter 7	Disease flares in rheumatoid arthritis are associated with joint damage progression and disability: 10 year results from the BeSt study	115
Chapter 8	Evaluating adherence to a treat-to-target protocol in recent-onset rheumatoid arthritis: reasons for compliance and hesitation	131
Chapter 9	Continued participation in a 10-year tight control treat-to-target study in rheumatoid arthritis: why keep patients doing their BeSt?	145
Chapter 10	Drug-free holiday in patients with rheumatoid arthritis: a qualitative study to explore patients' opinion	159
Chapter 11	Summary, conclusions and future perspectives	169
Chapter 12	Nederlandse samenvatting	181
Appendices	List of publications	195
	Curriculum Vitae	197

