

VRIJE UNIVERSITEIT

Foot impairments and related disability
in patients with rheumatoid arthritis

ACADEMISCH PROEFSCHRIFT

ter verkrijging van de graad Doctor
aan de Vrije Universiteit Amsterdam,
op gezag van de rector magnificus
prof.dr. L.M. Bouter,
in het openbaar te verdedigen
ten overstaan van de promotiecommissie
van de faculteit der Geneeskunde
op dinsdag 30 juni 2009 om 10.45 uur
in de aula van de universiteit,
De Boelelaan 1105

door

Marike van der Leeden

geboren te Rotterdam

promotor: prof.dr. J. Dekker
copromotor: dr. M.P.M. Steultjens

Contents

Chapter 1	General introduction	7
Chapter 2^a	The prevalence and course of forefoot impairments and walking disability in the first eight years of rheumatoid arthritis <i>Arthritis Care and Research 2008; 59(11):1596-602</i>	21
Chapter 2^b	Forefoot disease activity in rheumatoid arthritis patients in remission <i>Submitted for publication</i>	37
Chapter 3	Prediction of walking disability by disease-related factors in patients with rheumatoid arthritis <i>Submitted for publication</i>	41
Chapter 4	Reliability of plantar pressure measurements in patients with chronic arthritis: a comparison of one-step, two-step and three-step protocols and an estimate of the number of measurements required <i>Foot and Ankle International 2004; 25(10):739-44</i>	55
Chapter 5	Forefoot joint damage, pain and disability in rheumatoid arthritis patients with foot complaints: the role of plantar pressure and gait characteristics <i>Rheumatology 2006; 45(4):465-6</i>	67
Chapter 6	The relationship of disease duration to foot function, pain and disability in rheumatoid arthritis patients with foot complaints <i>Clinical and Experimental Rheumatology 2007; 25(2):275-80</i>	81
Chapter 7	A systematic review of instruments measuring foot function, foot pain and foot-related disability in patients with rheumatoid arthritis <i>Arthritis Care and Research 2008; 59(9):1257-69</i>	93
Chapter 8	General discussion	129
Summary		146
Samenvatting		149
Acknowledgements		153
Curriculum Vitae		155
List of publications		157