

University of Groningen

The impact of Juvenile idiopathic arthritis

Armbrust, Wineke

IMPORTANT NOTE: You are advised to consult the publisher's version (publisher's PDF) if you wish to cite from it. Please check the document version below.

Document Version

Publisher's PDF, also known as Version of record

Publication date:

2016

[Link to publication in University of Groningen/UMCG research database](#)

Citation for published version (APA):

Armbrust, W. (2016). The impact of Juvenile idiopathic arthritis: Moving beyond the joint [Groningen]: Rijksuniversiteit Groningen

Copyright

Other than for strictly personal use, it is not permitted to download or to forward/distribute the text or part of it without the consent of the author(s) and/or copyright holder(s), unless the work is under an open content license (like Creative Commons).

Take-down policy

If you believe that this document breaches copyright please contact us providing details, and we will remove access to the work immediately and investigate your claim.

Downloaded from the University of Groningen/UMCG research database (Pure): <http://www.rug.nl/research/portal>. For technical reasons the number of authors shown on this cover page is limited to 10 maximum.

The impact of juvenile idiopathic arthritis

Moving beyond the joint

Wineke Armbrust

Cover design: Eva Heisterkamp
© Wineke Armbrust 2016

Printing of this thesis was financially supported by Research Institute SHARE, Pfizer and the University of Groningen.

Printing: Gildeprint Enschede.

The study as presented in the chapters 5,6,7,and 8 were financed by The Dutch Arthritis Foundation and by Nutsohra.

Acknowledgement: We acknowledge the help of Titia Palthe for correcting the English manuscript (Chapter 2 and 7). We acknowledge the university correction and translation service of the of the language center of the University of Groningen for medical writing and editorial support (Chapter 4,5 and 8)





rijksuniversiteit
 groningen

The impact of juvenile idiopathic arthritis

Moving beyond the joint

Proefschrift

ter verkrijging van de graad van doctor aan de
 Rijks Universiteit Groningen
 op gezag van de
 rector magnificus prof. dr. E. Sterken
 en volgens besluit van het Colleges voor Promoties.

De openbare verdediging zal plaatsvinden op

maandag 10 oktober 2016 om 16.15 uur

door

Wineke Armbrust

geboren op 1 juni 1971

te Stadskanaal

Promotores

Prof. dr. P.J.J. Sauer

Prof. dr. J.H.B. Geertzen

Prof. dr. N.M. Wulffraat

Beoordelingscommissie

Prof. dr. A.H. Bootsma

Prof. dr. A.B.J. Prakken

Prof. dr. A.E.E. Verhagen

Paranimfen

Elizabeth Legger

Christa van der Veere

CONTENTS

Chapter 1	Introduction, Juvenile Idiopathic Arthritis: more than just a joint.	9
Chapter 2	Assessment of disease activity by patients with juvenile idiopathic arthritis and the parents compared to the assessment by pediatric rheumatologists. <i>Pediatric Rheumatology 2013(11);48:1-8</i>	29
Chapter 3	Romantic and sexual relationships of young people with juvenile idiopathic arthritis compared to healthy controls. <i>Submitted</i>	45
Chapter 4	Fatigue in patients with juvenile idiopathic arthritis: a systematic review of the literature. <i>Seminars in Arthritis and Rheumatology 2016;45:587-95</i>	59
Chapter 5	Fatigue in relation to perceived health, self-efficacy and to participation in patients with juvenile idiopathic arthritis. <i>Submitted</i>	89
Chapter 6	Measuring physical activity in patients with juvenile idiopathic arthritis: Activity Diary versus Accelerometer. <i>Submitted</i>	105
Chapter 7	Design and acceptance of Rheumates@Work, a combined internet-based and in person instruction model, interactive, educational, and cognitive behavioral program for children with juvenile idiopathic arthritis. <i>Pediatric Rheumatology 2015, 13</i>	121
Chapter 8	An internet program for physical activity and exercise capacity, in children with juvenile idiopathic arthritis; results of a multicenter randomized controlled trial. <i>Accepted in Arthritis Care & Research</i>	147
Chapter 9	General discussion	171

Chapter 10	Summary	189
	Dutch summary (Nederlandse samenvatting)	193
Addendum	List of publications	201
	Affiliations of co-authors	205
	Dissertations research institute SHARE	207
	Dankwoord	211

