

Cover Page



Universiteit Leiden



The handle <http://hdl.handle.net/1887/28732> holds various files of this Leiden University dissertation.

Author: Marks, Miriam

Title: Treatment of patients with hand osteoarthritis : outcome measures, patient satisfaction, and economic evaluation

Issue Date: 2014-09-11





APPENDIX

PUBLICATION LIST
CURRICULUM VITAE



PUBLICATION LIST

Marks M, Vliet Vlieland TPM, Audigé L, Herren DB, Nelissen RGHH, van den Hout WB. Healthcare costs and loss of productivity in patients with trapeziometacarpal osteoarthritis. Submitted

Marks M, Audigé L, Reissner L, Herren DB, Schindele S, Vliet Vlieland TPM. Outcomes of surgical and conservative treatment in patients with trapeziometacarpal osteoarthritis and determinants of patient satisfaction - Results of a prospective cohort study. Submitted

Reissner L, Schindele S, Hensler S, **Marks M**, Herren DB. Ten year follow-up of pyrocarbon implants for proximal interphalangeal joint replacement. *J Hand Surg Eur Vol* 2014; 39:582-86.

Herren DB, Keuchel T, **Marks M**, Schindele S. Revision Arthroplasty for Failed Silicone Proximal Interphalangeal Joint Arthroplasty. Indications and 8-Year Results. *J Hand Surg Am* 2014;39:462-66.

Marks M, Audigé L, Herren DB, Schindele SF, Nelissen RG, Vliet Vlieland TPM. Measurement properties of the German Michigan Hand Outcomes Questionnaire in patients with trapeziometacarpal osteoarthritis. *Arthritis Care Res (Hoboken)* 2014;66:245-52.

Goldhahn J, Beaton D, Ladd A, MacDermid J, Hoang-Kim A, on behalf of the distal radius working group of ISFR and IOF (member **Marks M**). Recommendation for measuring clinical outcome in distal radius fractures: a core set of domains for standardized reporting in clinical practice and research. *Arch Orthop Trauma Surg* 2014;134:197-205.

Angst F, **Marks M**, Goldhahn J. Begleitende Messungen zur Qualitätssicherung bei Ellbogenprothetik. In: *Manual der Arbeitsgemeinschaft Endoprothetik (AE) - Band Ellbogen*, Rüter W, Simmen BR Eds. Heidelberg Dordrecht London New York: Springer 2013: 217-27.

Marks M, Schoones JW, Kolling C, Herren DB, Goldhahn J, Vliet Vlieland TPM. Outcome measures and their measurement properties for trapeziometacarpal osteoarthritis: a systematic literature review. *J Hand Surg Eur Vol* 2013;38:822-38.

Räber C, Kolling C, Albrecht C, Born R, Schwyzer HK, **Marks M**. [Objective and Subjective Short-Term Results of Patients after Shoulder Arthroplasty]. *physioscience* 2012;8:61-66.

Liem IS, Kolling C, **Marks M**, Nelissen RG, Goldhahn J. Development of a score set to measure function and quality of life in patients suffering from elbow pathology. *Arch Orthop Trauma Surg* 2012;132:831-37.

Jörn Good U, **Marks M**. Graded Motor Imagery-Programm - Neurophysiologische Basis und Anwendung bei der Behandlung von Schmerzsyndromen. *Zeitschrift für Handtherapie* 2012;1:32-39.

Marks M, Muoth C, Goldhahn J, Liebmann A, Schreiber I, Schindele SF, Simmen BR, Vliet Vlieland TP. Packaging - A Problem for Patients with Hand Disorders? A Cross-sectional Study on the Forces Applied to Packaging Tear Tabs. *J Hand Ther* 2012;25:387-95.

Tami I, **Marks M**, Schindele S. [Hand surgery for rheumatoid arthritis in light of modern basic therapy. An obsolete model?] *Obere Extremität*, 2011;6:240-45.

Marks M, Herren DB, Vliet Vlieland TP, Simmen BR, Angst F, Goldhahn J. Determinants of patient satisfaction after orthopedic interventions to the hand: a review of the literature. *J Hand Ther* 2011;24:303-12

Marks M, Schöttker-Königer T, Probst A. Efficacy of Cervical Spine Mobilization Versus Peripheral Nerve Slider Techniques in Cervicobrachial Pain Syndrome. *J Phys Ther* 2011;4:9-17.

Bleckert M, Greb A, Felder H, Grüneberg C. [Treadmill Therapy in the Acute Rehabilitation Stage in Hemiparetic Patients]. *physioscience* 2006;2:67-72.

CURRICULUM VITAE

Miriam Marks was born Miriam Bleckert in Achern, Germany, in 1980. In 2000, she passed the *Abitur* [German university entrance qualification] at the *Gymnasium* [grammar school] in Achern.

Physiotherapy

Following four years of studies in physiotherapy at the Fresenius University of Applied Sciences in Idstein, Germany, and at the Hogeschool van Utrecht, The Netherlands, she gained the degree of Bachelor of Health in 2004, and a degree in education. Until 2009, she was employed as a physiotherapist in an outpatient rehabilitation centre (Therapiezentrum Lamprecht) in Kirchheim unter Teck, Germany, where she also held the post of deputy head and head of the physiotherapy department for some time. She specialised in treating patients with musculoskeletal disorders. From 2004 to 2008, she took several training courses in manual therapy according to the Maitland concept and passed the exam in Orthopaedic Manual Therapy (OMT). In addition to working at the centre, she attended lectures at the University of Applied Sciences and Arts in Hildesheim, Germany, for five semesters and graduated in 2009 with the degree Master of Science in Physiotherapy with specialisation in Disciplinary Research.

Research

Following her Master's degree in 2009, Ms Marks started work as a research assistant in the Department of Research and Development, Upper Extremities and Hand Surgery, Schulthess Clinic in Zurich, Switzerland. In 2010, she began her PhD at the Leiden University Medical Centre, in Leiden, The Netherlands, under the supervision of Prof. Dr Rob Nelissen and Prof. Dr Thea Vliet Vlieland. Her PhD research about outcome measures, patient satisfaction, and economic aspects in the treatment of patients with hand osteoarthritis was done mainly in the Schulthess Clinic, where she was promoted to a Research Associate in 2012. Starting in 2011, she took a three-semester course in Applied Statistics at the Swiss Federal Institute of Technology (ETH) in Zurich, Switzerland, gaining the Certificate of Advanced Studies (CAS) in 2012. She also completed several training courses in scientific writing, project management, good clinical practice (GCP), and presentation skills. She has presented her research results at several national and international conferences.





ACKNOWLEDGEMENTS



This PhD thesis would not have been possible without the support of so many people. I would like to express my gratitude to all those who have been instrumental in its successful completion.

First of all, I wish to express my deepest gratitude to **Prof. Dr Rob Nelissen** and **Prof. Dr Thea Vliet Vlieland** from the Leiden University Medical Center, who agreed to supervise my thesis over a distance of more than 800 kilometres. Thea and Rob, thank you very much indeed for your inspiration, your scientific input, and your valuable feedback in planning the project, conducting the study, and writing the thesis, from which I have benefited greatly.

Deepest gratitude is also due to **Dr Daniel Herren** from the Schulthess Clinic for having the idea for this thesis. Thank you, Daniel, for your continual support in recognizing the importance of my work, for providing expert clinical advice for my research, and for establishing my PhD work contract.

I would like to express my very great appreciation to **PD Dr Jörg Goldhahn**, who was also involved in initiating the topic of this thesis, who established contact with Prof. Nelissen, and who supported me so well in all scientific matters at the beginning of my PhD.

Special thanks are due to **Dr Laurent Audigé**, for introducing me to the many possibilities of statistics using Stata, for his invaluable critiques of my papers, and for his confidence in my work.

I would also like to extend my thanks to the hand surgeons of the Schulthess Clinic, **Dr Daniel Herren**, **Dr Stephan Schindele**, **Dr Sebastian Kluge**, **Dr Lisa Reissner**, **PD Dr Beat Simmen**, **Dr Ivan Tami**, and **Dr Silvia Kündig**, for their help in patient recruitment and for clinical advice. Furthermore, the assistance of the **secretaries** in the Department of Hand Surgery at the Schulthess Clinic, as well as that of **Mrs Francine Teng**, secretary of the Department of Orthopaedics at the Leiden University Medical Center, is very much appreciated.

I am grateful for the assistance of **Stefanie Hensler** and **Franziska Kohler**, who continued data collection during my absences.

Many thanks to all the coauthors of my publications, particularly **Dr Jan Schoones** for searching the literature, **Dr Christoph Kolling** for reviewing numerous articles, **Dr Lisa Reissner** for evaluating the radiographs, **Andrea Liebmann** and **Ina Schreib** from the Fraunhofer Application Centre for Processing Machinery and Packaging Technology, Dresden, Germany, for their close cooperation on the packaging project, **Carina Muoth** for data collection in the packaging project, and **Dr Wilbert van den Hout** for his support with the economic analysis. Not to be forgotten are my students, **Martina Wehrli**, **Carina Simon**, **Regula Frouzakis**, and **Stefanie Saxer**, who took on several activities that contributed to this thesis.

In addition, I would like to thank **Mr Tobias Pressler** from the accounts department of the Schulthess Clinic for providing the cost data presented in chapter seven.

My sincere thanks go also to **Dr André Peeters** and **Prof. Dr Thea Vliet Vlieland** for translating the summary into Dutch.

Many thanks to the **occupational therapists** of the Schulthess Clinic for allowing me to use their measurement devices and their treatment room.

ACKNOWLEDGEMENTS

My grateful thanks are also extended to **Dr Meryl Clarke, Kirsten Clift, Martina Wehrli, and Dr Christoph Kolling** for proofreading this thesis.

Special thanks should be given to all those **patients** who willingly participated in the RASSH and packaging studies and spent their time filling in long questionnaires.

Finally, I would like to express my love for **my family**, with gratitude for their understanding, faith in me, and support in all areas of life.