Illness behavior in patients with musculoskeletal disease
Bot, A.G.J.

Link to publication

Citation for published version (APA):
Bot, A. G. J. (2013). Illness behavior in patients with musculoskeletal disease

General rights
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), other than for strictly personal, individual use, unless the work is under an open content license (like Creative Commons).

Disclaimer/Complaints regulations
If you believe that digital publication of certain material infringes any of your rights or (privacy) interests, please let the Library know, stating your reasons. In case of a legitimate complaint, the Library will make the material inaccessible and/or remove it from the website. Please Ask the Library: http://uba.uva.nl/en/contact, or a letter to: Library of the University of Amsterdam, Secretariat, Singel 425, 1012 WP Amsterdam, The Netherlands. You will be contacted as soon as possible.
Acknowledgements
Thanks!!

I would like to thank a number of people, without whom this thesis would not have been possible:

Promotor:
Prof. dr. Van Dijk: Thank you so much for the opportunity you have given me to conduct research in Boston. When I started at your department as a medical student I was impressed by the research group and your skills as both an educator and a doctor. I became even more impressed by your international fame when I assisted at the ankle course. Surgeons from all over the world would come specifically to the course to learn from your amazing techniques with arthroscopy and patient care. Thank you so much for all your help and guidance with the Both Bones study. I was thrilled that I could prolong my research time under your guidance in Boston. As your student it was really helpful when we had a meeting and would go over my projects. After every PhD meeting I got a boost of new energy and ideas for my PhD, which was incredible. It was impressive that every time I asked for help and guidance you could give me that on such a short notice, which made my PhD trajectory so much more efficient. Also thank you for your help with the studies you co-authored. Your help proved invaluable for this PhD thesis, and your guidance as a promoter is unparalleled. Thank you for everything.

Co-Promotor:
Dr. Ring: Thanks for being my mentor during my time as a PhD student. I learned so much from you about your passions for patient care and research. Your specific field of interest really called to me and I feel honored to have spent two years in Boston under your supervision. You were a real inspiration for me in the way you treat patients. The time you take for each individual patient and the process of shared decision making are well appreciated by all with whom you work. Your dedication to research is incredible; you are unwavering in your commitment to enrolling new patients in studies. I appreciate your efficiency, feedback, knowledge and enthusiasm for research. Your skills to keep everyone involved in so many projects and keep everyone motivated are unmatched. Your presence as chairman of the monthly research meeting going over our projects and brainstorming about new projects was always a highlight. Finally, I always really appreciated the goodbye drinks for all the short term researchers, such a nice event you always hosted. Thank you for all the opportunities you have given me.

MGH
Prof. dr. Jupiter: Your enthusiasm and humor in clinic are unmatched. You almost treat patients as your friends, which makes it really easy to enroll them afterwards in one of our research studies. The Soccer journal club last summer was amazing. I am inspired by your soccer skills as well as by your incredible knowledge about countless topics, even unrelated to the medical field. Thanks for all your help with my projects.

Dr. Mudgal: Your thorough consideration of timing of surgery is going to be lesson for me throughout the rest of my life. Also the time you take for your patients to explain everything in detail is something I really admire. Thank you also for organizing the Harvard Journal clubs. The discussions with the faculty were always great to attend. Thank you for all your help with the studies you co-authored.
Prof. dr. Herndon: Dr. Herndon, I learned so much from your patience in seeing patients and always really enjoyed your explanations about X-rays and symptoms. The Smith day lecture you gave was outstanding. Your help with all my projects and enrolling patients was great.

Dr. Vranceanu: Thanks for all your help in the past 2.5 years. We worked together on many studies and your help was invaluable. Whenever I asked you questions or comments you responded really quickly, and I found working with you to be very stimulating and efficient. Your exceptional knowledge about psychology helped me greatly throughout my PhD trajectory. Thank you so much for all your help.

Dr. Ruchelsman: Thank you for your help with the ISDM study and enrolling patients for numerous other studies.

Dr. Lee: Thanks for your interesting discussions at the morning rounds.

Dr. Austen (Jr): Dr. Austen, it was a great experience to benefit from your enthusiasm for research in the field of Migraine surgery. I found it incredible to work with you in the plastic surgery department, and I learned so much from those experiences.

Dr. Arnstein: Dr. Arnstein, your help with the HCAHPS study proved invaluable. Although it is not part of my PhD, it is directly related. Working with you on this project really helped me focus on the need for thorough pain medication and I will take this with me in my future career. Your dedication to patients in pain is really outstanding.

Dr. Vrahas and prof. dr. Warner: Thank you very much for your help and guidance in the studies we conducted together.

Dr. Brian Healy: Your statistic classes were great. Every time I returned from a statistical lesson, I was thrilled and excited to try and practice my new stats knowledge. Everyone who would claim that statistics are boring should attend one of your lessons to prove the opposite.

Dr. Kadzielski: Thanks for your help with the job burnout study. It was really cool to finish the study you started so long ago. Also, trying to enroll patients from your clinic was really nice; you were always really cooperative and tried to help me wherever possible.

AMC:
Dr. Ir. Blankevoort: Dr. Blankevoort I would like to thank you for all your support during my time in Boston. You helped me a lot with the outline of my PhD and you were always there when I needed help. Thank you so much for all your guidance over the past years.

Dr. Kloen: Thank you for your support developing the DION study in Amsterdam. Working with you is really efficient, which makes it great to do research. Thanks for your selection of bright and motivated students to send to Boston; their help is priceless.

Prof. dr. Goslings: Thank you for your help with the Both Bones Project. It was really helpful that you were so enthusiastic and made this project possible.
The orthopaedic surgeons: Dr. Bramer, Dr. Kerkhoffs, Dr. Kloen, Dr. Schaap, Dr. Schafroth, Dr. Struijs, prof. dr. Van Dijk: I learned a lot during my final rotation at your department. Thanks for all your support for conducting studies in the Orthopaedic Clinic. I am really looking forward to my time as a resident in the AMC.

Dr. Doornberg: Dear Job, I would like to thank you for being my mentor over the past couple of years. When I was an inexperienced researcher you took such good care of me and helped me step by step through the Both Bones project. This was really useful and your incredible skills of teaching made it such a great experience for me. Your countless pieces of advice were priceless and helped me so much in the past couple of years. Thanks to you I had the opportunity to meet with prof. dr. Van Dijk and work on a project with prof. dr. Van Dijk and dr. Ring. Also, the way you are able to do research, have a family, be a resident and have so many students under your supervision is inspiring. You also helped me after the Both Bones study; again I can’t thank you enough for all your great help.

Dr. Lindenhovius: Thank you for your help with the statistics of the Both Bones Study.

Dr. Souer: Thanks for your help with the distal radius paper.

Dr. Buijze: Thanks for all your help and guidance during my time in Boston and all PhD related questions I posed when I came back in the Netherlands.

Dr. Guitton: Thanks for your all of your useful advice and your help with the scapula paper.

AMC researchers:
Wouter, Arthur, Aimee, Ruben, Inge, Maayke, Christiaan, Sjoerd, Peter, Laurens, Tan, Jan Joost, Mikel, Bas, Hanneke, Ruben, Joy, Rogier, Gijs, Bart, Gabriëlle and Inger: Thanks for all your support in the past years.

Officemanager Science and Head Secretary of the Department of Orthopedic Surgery:
Rosalie van de Sandt and Marga Lammerts: Thank you very much for all the help over the past three years. You were so helpful when I was a student and even more so when I was in Boston. It was great that you were so flexible with professor Van Dijk’s agenda and always made it possible to get an appointment when I visited the Netherlands. I also really enjoyed all the coffee breaks. Thanks for being the liaison in the PhD finishing process; that was really helpful! Your help in the final process was instrumental.

The nurses and secretaries of the Orthopaedic Department of the AMC:
Thanks for your endless support.

Dear PhD Committee:
Prof. dr. Goslings, prof. dr. Frings-Dresen, prof. dr. Scholten, prof. dr. De Haes, dr. Strackee, dr. Kloen:
Dear PhD Reading Committee. Thank you for the time you have dedicated to my manuscript.
MGH researchers:
Marianne, Marjolein, Hanneke, Berdien, Steven, Niek, Chris, Charlotte, Heleen, Jeroen, Pim, Tristan, Emily, Jade, John, Ahmet, Mark, Jan Paul, Stijn, Dennis, Robin, Kelsey, Timothy, Thijs, Johann, Heeren and Neil: I would like to thank the researchers of the Orthopaedic Hand Service of Massachusetts General Hospital (MGH) for their help and for their contribution to the great work atmosphere.

The (international) researchers who helped out with one (or multiple) project(s):
Steven, Mariano, Clint, Jeroen, Stijn, Marjolein, Hanneke, Marianne, Jade, Emily, Pim, Gem, Chris, Tristan, Jan Paul, Dennis, Thijs: Thanks for all your help. Your time and effort to help out with one or more studies were awesome. It was a great experience for me to learn how to teach and guide fellow researchers through the process of designing, enrolling and analyzing a research project. I hope you learned as much from the experience as I did. Thanks.

The nurses and secretaries of the inpatient wards in MGH:
Thanks for all your support to make enrolling patients so efficient.

Boston colleagues:
Wendy: Wendy, you were the first one to welcome me in Boston as both a roommate and a colleague. I will never forget the Easter brunch or the sailing we did and I really appreciated all your help with starting up some of the studies. Joris and you were my roommates for a while, which was also really nice. You both really indulged me with your cooking skills.

Frank: Frank, although we only worked briefly together, I really appreciated your crash course on how things worked in the hand department.

Valentin: Dr. Neuhaus, it was a pleasure working with you. You were a real example to me. You were able to foster 30 studies, 10 newbies and a family at the same time. I learned so much from your surgical knowledge and enthusiasm for involving newbies and doing research. It was great that Marta joined you in Boston, and I really appreciated the dinners and the social activities we did together. Your daughter, Mila, is beautiful. I really hope we stay in touch socially and in research. Best of luck in Switzerland.

Stéphanie: Steep, we had a couple of great conferences in Chicago together. I really enjoyed lunches with you, drinks and working together. I admire your meticulousness and patience in research. You take the time for your patients and they all really appreciate that. It was great to have you as a colleague over the past couple of years. Thanks for all your help with a lot of studies. Joost and you were always the perfect hosts for parties. Hope you will have a good start back in Holland.

Gertraud: We always had a lot of fun and shared an affection for the coffee machine. I really enjoyed the conversations with you. I will always remember the nice goodbye party you threw, the conference in Chicago, or the “fresh air” breaks you would take a couple times during the day. Best of luck in Germany.
Michiel: Hageman, we had so many projects together and so much fun. The Florida conference trip was a great experience. I enjoyed working together with you on so many projects and learned from your expertise, enthusiasm and creativity for science. Congratulations with your research endeavors in both the Netherlands and the USA at the same time; your accomplishments have been astonishing. I am really looking forward to being your colleague in the AMC residency programme.

Sjoerd: We already worked together in Holland before you came to the USA, which made it really easy for me in Boston. Working with you on the DION study was informative and I learned a lot. We had a great time with in the “closet”, our spacious shared office in Boston. I really enjoyed hearing all your stories after every weekend and working with you on many studies was something I really appreciated. I wish you the best of luck in the next year in Boston, on finishing your PhD, and hopefully as a colleague in residency.

Mariano: Congratulations with being accepted as a researcher at the OHS. I am really happy for you that you finished the Steps and can take part in the matching procedure in a couple of years. You worked so hard on all the studies, and studied for the Steps at the same time - just amazing. I know you will do great in Boston.

The research coordinators:
Sigrid: You were so enthusiastic. Your devotion to some studies really inspired me. In addition, all the lunches and goodbye parties were great. Good luck with the rest of medical school.

Jillian: The queen of the rules of the IRB. I learned so much from all the knowledge you gained from working with the IRB. Thanks for sharing that with me and always being so incredibly helpful. You really made the process of IRB submissions efficient. Your presence in the research group was great. Good luck with medical school.

Rajesh: You are the real history buff of the department. I really enjoyed our discussions and explanations concerning history and medical science. In addition you were a great colleague, hard working and you did a great job at the OHS. Thanks for all your social efforts and for being a great colleague. Good luck with the selections for medical school.

Emily: You did really well as a summer student at our department, so I am convinced you will do a great job as the new research coordinator.

The Hand Fellows:
Dr. Bauer, Dr. Perrone, Dr. Alqueza, Dr. Christoforo, Dr. Thomas, Dr. Kadzielski, Dr. Babushkina, Dr. Lagler and Dr. Klausmeyer:
Your help in clinic proved very valuable to many studies. I could always ask you to help me screen the pathology, and at your own clinic you were very helpful and patient so I could enroll the patients for all the prospective studies.

The nurses and secretaries of the MGH:
Kimda & Melissa: Your help was invaluable. All those times you would summon me when a patient I hoped to enroll was in a room, made enrolling patients so much more efficient. I also enjoyed all the conversations in the hallway.
Isabel and Mariah: You both knew Dr Ring’s agenda so well, which was awesome. You also would make it possible for Dr. Ring to sign things right away, which made processes so much more efficient. It was also always really nice talking to you. Thanks for all your help.

Judy, Irma, Theresa, Raenielle, Christine: Your presence in the OHS made things so much easier and the ambiance was also always great.

Catherine Romero: Thanks for all your help with the migraine study. I respect you for taking care of so many things for us in addition to your already incredible workload.

Nurses and secretaries of the Rheumatology Department: Betsy Kordsmeier, Jaime Tirrell, Margaret Martin, Remington Clark: Thanks.

Boston contacts:
Jan Willem, Ingrid, Arvind, Alfredo, Shervin, Gwen, Bart, Jeroen, Jolijn, Marlien, Suthesh, Mark, Allison, Michiel, Peter-Paul:
I really appreciated the activities we had on Fridays. We visited many wonderful places, which was always a perfect experience. Seeing all of you guys so happy with our favorite songs in the Howl was a highlight! I will really miss our nice dinners and of course eating the “Flagship” burger in the Hill.

Jan Willem, Gwen, Bart, Jolijn, Ingrid, Jeroen and Marlien:
All our skiing or summer trips to our “second home” at Lake Winnepesauki were such an amazing experience. We had such a nice time! It was great to go for skiing, and in the summer and all the nights BBQ-ing on the roofdeck or in the garden. I will never forget all the 1 lb steaks BBQ or the acting part of the charades.

The Appletonians: Wendy, Eva, Joris, Allison, Cassie, Ingrid, Friso, Kelsey, Bote, Hannah, Kathleen, Jan Willem:
You guys were incredible roommates! BBQ in the garden or just some series on TV for amusement after work were really nice. The Appleton events we organized were also always a big success!

Spyros & Rania: It was so nice to have met you. In clinic it was always a nice distraction from work to hear your stories about orthopaedic practice and the evenings we spent together were always great. Good luck with Maximos in Greece.

UMC Utrecht:
Dr. Verlaan: JJ, thanks for your help with the percutaneous spine study. It was my first experience with research and I learned so much from your knowledge and enthusiasm. All the meetings we had to discuss the paper and measuring angles proved invaluable to my basic knowledge of research.

Prof. dr. Öner, Dr. Spoor, Dr. Stadhouder: Thanks for all your help with the percutaneous pedicle screw article.
Prof. dr. Castelein, prof. dr. Dhert, prof. dr. Öner, prof. dr. Saris, prof. dr. Verbout, Dr. Van Haeff, Dr. Van de Krans, Dr. Kruyt, Dr. Mutsaerts, Dr. Van Roermund, Dr. Sakkers, Dr. Vogely, Dr. Alblas, Dr. Beekhuizen, Dr. Benders, Dr. Fedorovich, Dr. Gawlitta, Dr. Malda, Dr. Poldervaart, Dr. Rutgers, Dr. Tsuchida, Dr. Vonk, Dr. Creemers:
Thanks for all your help during my final student rotation at the Orthopaedic Department and the basic science project afterwards. I learned a lot in clinic and in the OR, which was a great experience. It was great to be part of the research group in basic science and I learned a lot.

Medisch Centrum Alkmaar:
The Surgery Department of the Medisch Centrum Alkmaar:
Dr. Schreurs, Dr. Van den Akker, Dr. Hulsebos, Dr. Schreve, De Nie, Dr. Willigendael, Dr. Cense, Dr. Dunker, Dr. Houdijk, Dr. Langenhorst, Dr. Lopes Cardozo, Dr. Mollema, Dr. Van der Veen, Dr. Frakking, Dr. Schornagel, Dr. Van den Brand, Dr. Breederveld, Dr. Ponsen, Dr. Bijlsma, Dr. Verbeek, Dr. Maartense, Dr. Joosse:
Thanks for all your help in guiding me through the first couple of months of general surgery training. It is great to work with such skilful attendings.

Colleagues:
Dr. Thijsse, Dr. Vos, Dr. Richir, Dr. Hanneman, Dr. Leenders, Dr. Heineman, Dr. Paul, Dr. Van Zuuren, Dr. Schuiling, Dr. Van Egmond, Dr. Bruggeman, Dr. Poelman, Dr. Deelder, Dr. Schoorl, Dr. Deijen, Dr. Molenaar, Dr. Van den Broek, Dr. Van Veenendaal: Thanks for being such great colleagues in Alkmaar. It was really helpful to be guided by your expertise and you have welcomed me warmly in the group of residents. You really made the transition smooth for me.

Management assistants and Business Administrator of Chirurgen Noordwest:
Inge, Judith and Peter: Thanks for all your help preparing my residency and your continuous support afterwards.

The Emergency Department:
Dr. Schakenraad, Dr. Meintjes, Dr. Stelder, Dr. Bouma, Dr. Gafni, Dr. Van Dijke, Dr. Doedeman, Dr. Veldhuyzen, Dr. Huizenga, Dr. De Nooij, Dr. Sjaardema, Dr. De Wit, Dr. Kos, Dr. Broekhuizen, Dr. Kroon, Dr. Wintermans, Dr. de Wandeler, Dr. Alderliest, Dr. Schraven, Dr. Bakker:
Thanks for everything I have learned during my rotation at the ED.

The outpatient and inpatient nurses, “gipsverbandmeesters” and secretaries of the MCA:
Thanks for all your help.

Last but not least:

Paranymphs:
Dear Bart and Paul: I feel so privileged to have you both as my paranymphs. You have each excelled in research in your own field of interest, so it is a real honor to have you on my side. We have had such great times in Utrecht, Boston and Chicago. Thanks for all your support in the past years.
Dr. Hoes: Jos, your help and advice have really helped me in the past couple of years. You were always there for me to give advice, which was great. Thanks for everything.

The “Nationale DenkTank 2009”:
Azadeh, Remco, Cassandra, Lotte, Mark, Eva, Karin, Stefan, Tabe, Jacqueline, Lucas, Teun, Mia, Joost, Jasper, Jeroen, Lisa, Imke, Ernst-Jan, Maaike, Guus, Stefan, Timme, Olivier; Harald Tepper, Jurjen Slump, Pieter Stolk, Karel Gaemers, Michiel van den Haute, Cassandra Hensen, Kim Jie, Hermien Post, Paul Rutten, Nouchka Tick, Claire Arens, Priscilla Brandon, Jeroen Hage, Wouter Los, Rolf Schreuder:
The DenkTank was such a great experience. All the issue trees and numerous presentations really boosted my presentation skills. I greatly appreciated this throughout my time as a PhD student on all the scientific presentations.

Lotte (and the rest of the HK): Thanks for all of your support during the past two years and for forming an organizing committee to rally everyone for a dinner when I was back. I really appreciated it.

Jaarclub Barcode - Chris, Daan, Pieter, Jan-Willem, Louis, Luis, Jasper:
JCBC it was always great to meet up every time I was back for a visit to the Netherlands. Thanks!

“Rolex” - Paul, Roel Gijs, Dirk, Maarten (and Steven): Guys, it was great to keep in touch. Thanks for meeting up every time!

Bas: Thanks for being my oldest friend. It was always nice that we could hang out whenever I was visiting Holland.

The Carley family: Thanks for being cultural “ambassadors” to me in New England. Thanks to you I became a fan of eating lobsters, crab, clams and oysters and became addicted to visiting Mount Desert and Maine.

Frances: You have been such a great support to all my research endeavors. When combining research with residency was tough, you always reinforced my commitment to science. You were always the person I could count on. Thanks for all your support.

Marja, Jan, Pieter, Coen & Sophie:
It was tough for us to be so far apart for the past couple years. But I am really happy that you gave me the opportunity and supported me to do research in Boston. All of your visits also gave me the perfect excuse to undertake nice trips and see all of the surroundings of New England. I can’t express my appreciation for all of your support and help during my research period and my “transition” to Europe after I left the US.