

Errata for doctoral thesis

Anti-CD20 therapy in multiple sclerosis - Clinical and paraclinical outcomes

© Alexander Juto, 2021 ISBN 978-91-8016-183-1

Location	Error	Printed version	Correction
p. 11			
eighth line	wrong no. of patients	349 patients	439 patients
ninth line	wrong dosing schedule	given 1000 mg RTX or placebo every six months	given two doses of 1000 mg RTX or placebo every six months
p. 16 , section 2.3.1, ninth line	drug and reference missing	alemtuzumab and mitoxantrone are classified as induction therapies ¹²⁹	alemtuzumab, mitoxantrone and cladribine are classified as induction therapies ^{126,129}
p. 18 , section 2.4.4, first line	wrong reference	associated with development of ADA ^{90,145}	associated with development of ADA ^{90,99}
p. 25			
section 3.2, first bullet point	wrong drug switch reason	due to lack of effect or AEs on	due to breakthrough disease on
section 3.2, third bullet point	wrong disease term	ADAs against RTX among RRMS patients	ADAs against RTX among MS patients
p. 27 , second line	wrong disease term	101 patients with SPMS	101 patients with progressive MS
p. 28 , second to last line	partly missing reference values and units	of $< 0.01 \times 10^9$ cells/L was regarded as complete B-cell depletion, 0.01 to $< 0.09 \times 10^9$ cells/L as incomplete B-cell depletion and \geq as normalised B-cell levels	of $< 0.01 \times 10^9$ cells/L was regarded as complete B-cell depletion, 0.01 to $< 0.09 \times 10^9$ cells/L as incomplete B-cell depletion and $\geq 0.09 \times 10^9$ cells/L as normalised B-cell level
p. 30 , section 4.3.4, eighth line	wrong word	dividing by the cortical intracranial volume	dividing by the total intracranial volume
p. 40 , section 6.1.2, second to last line	missing words	terminating RTX treatment described	terminating RTX treatment due to AEs described
p. 41 , section 6.1.3, last line	wrong disease term, missing reference	RTX in RRMS ^{90,91,194} and in other diseases. ^{197,198}	RTX in MS ^{90,91,194} and in other diseases. ^{196,197,198}
Study IV , methods – MRI, thirteenth line	wrong word	divided by the estimated cortical intracranial volume	divided by the estimated total intracranial volume

The correct version of acknowledgements on pages 51-52 is as follows:

9. ACKNOWLEDGEMENTS

This work is the result of great support from my beloved family as well as from the many gifted and devoted researchers whom I have collaborated with during my PhD studies. In particular, I would like to thank:

Professor **Fredrik Piehl**, my main supervisor, for giving me the opportunity to conduct doctoral studies as well as all the generous support and guidance throughout these years. It has been a true pleasure working with you and I am grateful for the great introduction to research that you have given me.

Tobias Granberg, my co-tutor, for your inspiring nature as a talented and driven researcher and radiologist. Working with you meant clear-cut and constructive tutoring, always delivered in an encouraging manner.

Thomas Frisell, my co-tutor, for your epidemiological and statistical skills and your patience. Despite my lack of knowledge in statistics, you succeeded in guiding me through these matters so that I eventually understood what I was doing.

Faiez Al Nimer, my co-author, for your unconditional and extensive support throughout the work with Study II. Your contribution was crucial and I am deeply grateful for that.

Nicky Dunn, my co-first author for a great collaboration during our study on anti-RTX antibodies.

Katharina Fink, for your valuable comments as a co-author.

Anna Fogdell-Hahn, for your advanced knowledge in immunology that you generously shared with me and your comments as co-author.

Ali Manouchehrinia, for the great support with statistical analyses when I was just in the very beginning of my PhD studies.

Jonatan Salzer, my co-author, for your valuable contribution during the work on Study I.

Malin Boremalm, my co-first author, for our fruitful collaboration during the work on Study I, which we managed to carry out despite the geographical distance between us.

Magnus Andersson, for giving me a position as resident physician in neurology at the Neurology Department at Karolinska University Hospital in 2016.

Eva Lindström, for being a mentor during my doctoral studies.

Russell Ouellette, for the generous support and guidance on how to export MRI data.

NEURO Sweden (Swedish: **Neuroförbundet**) through **Neurofonden**, for financial support during my time as a doctoral student.

All my colleagues (former and present) at the Neurology Department: **Christina Sjöstrand, Lou Brundin, Albert Hietala, Henrik Matell, Gylfi Thormar, Einar Eriksson, Erik Lundström, Mathias Sundgren, Maria Bäärnhielm, Olafur Sveinsson, Ellen Iacobaeus, Anders Johansson, Giuseppe Stragliotto, Tiago Moreira, Niaz Ahmed, Michael Mazya, Malin**

Säflund, Anna Steinberg, Charith Cooray, Magnus Thorén, Anna Sundholm, Boris Keselman, Anne Zachau, Sofia Hylin, Theresa Wangerid, Vasilios Stenimahitis, Per Lindström, Kosta Kostulas, Snjolaug Arnardottir, Eric Thelin, Anne Eriksson-Dufva, Sebastian Thams, Rose-Marie Noori, Stanislav Beniaminov, Anna Björck Mehr, Lisa Gordon, Karin Wirdefeldt, Raana Shafiei, Sara Melin, Karin Olsson and Dagur Jonsson.

My sisters **Björg, Linda** and **Nicki** and brother **Kalle** and their families.

My parents-in-law, **Kicki** and **Staffan** for all your support.

My parents, **Monica** and **Jan-Erik** for everything.

My darling son **Wilhelm**, born when I started my PhD studies. During these years, you have been a source of energy and inspiration as well as a lot of joy.

My beloved daughter **Hilma**, born during the final year of my doctoral education. You have brought so much happiness to my life and boosted my motivation by simply being you.

Last but not least, my dear wife **Anna** who has supported me in so many ways during these years. Without you, this would never have been possible.