

Growing into a different brain

The outcome of very preterm birth at school age

Jorrit F. de Kieviet



Cover photo: Carlijn van Elburg, with permission from Carlijn and her parents.
Cover design: Jorrit F. de Kieviet, with technical support of Anton Bal, www.amustb.com.

ISBN: 978-90-6464-658-4

The research presented in this thesis was performed at the Department of Clinical Neuropsychology, VU University Amsterdam, in collaboration with the Department of Pediatrics, VU University Medical Center.

This research project was supported by an unrestricted research grant from Danone Research BV. Scanning costs were partly funded by the Amsterdam Brain Imaging Platform. Financial support for the printing of this thesis was kindly provided by Danone Research BV and Nutricia Nederland BV.

©2013, Jorrit F. de Kieviet

All rights reserved. No part of this thesis may be reproduced or transmitted in any form or by any means, electronic, mechanical, photocopying, or otherwise without the prior permission of the holder of the copyright.

VRIJE UNIVERSITEIT

Growing into a different brain

The outcome of very preterm birth at school age

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 Psychologie en Pedagogiek
op dinsdag 18 juni 2013 om 11.45 uur
in de aula van de universiteit,
De Boelelaan 1105

door

Jorrit Frederik de Kieviet

geboren te Woerden

promotoren: prof.dr. J. Oosterlaan
prof.dr. H.N. Lafeber

copromotor: dr. R.M. van Elburg

promotiecommissie: prof.dr. A.L. van Baar
prof.dr. A.F. Bos
prof.dr. J.B. van Goudoever
prof.dr. J.T. Swaab
prof.dr. L.S. de Vries

paranimfen: J.J. de Kieviet (Jesse)
L. Harbers (Lorette)