Long-term consequences of differences in early growth: epidemiological aspects
Euser, A.M.

Citation

Version: Corrected Publisher’s Version
License: Licence agreement concerning inclusion of doctoral thesis in the Institutional Repository of the University of Leiden
Downloaded from: https://hdl.handle.net/1887/14485

Note: To cite this publication please use the final published version (if applicable).
Long-term consequences of differences in early growth: epidemiological aspects

Anne Margriet Euser
The work described in this thesis was performed at the departments of Clinical Epidemiology and Pediatrics of the Leiden University Medical Center in Leiden, the Netherlands, and at the department of Cancer Research and Molecular Medicine of the Faculty of Medicine, Norwegian University of Science and Technology in Trondheim, Norway.

Financial support for the printing of this thesis by Novo Nordisk b.v., Pfizer b.v., Ferring b.v., Ipsen Farmaceutica b.v., Eli Lilly Nederland b.v., and Vygon is gratefully acknowledged.

Cover photography: Dorothée Out

Printing and lay-out: drukkerij Mostert en Van Onderen, Leiden


Copyright © 2009 A.M. Euser
All rights reserved. No part of this book may be reproduced or transmitted in any form or by any means, without prior written permission of the author, or when appropriate, of the publishers of publications.
Long-term consequences of differences in early growth: epidemiological aspects

Proefschrift

ter verkrijging van de graad van Doctor aan de Universiteit Leiden,
op gezag van Rector Magnificus prof. mr dr P.F. van der Heijden,
volgens besluit van het College voor Promoties
te verdedigen op dinsdag 8 december 2009
klokke 15.00 uur
door

Anne Margriet Euser

geboren te Leiden
in 1981
Promotiecommissie

Promotores: Prof. dr J.M. Wit
              Prof. dr F.R. Rosendaal

Co-promotor: Dr F.W. Dekker

Overige leden: Prof. dr H.A. Delemarre-van de Waal
              Prof. dr J.A. Romijn
              Prof. dr P. Verloove-Vanhorick
              Mw dr S. le Cessie
              Dr S.I. Hallan
              (University of Trondheim, Norway)
Table of contents

Chapter 1 General introduction 7

Chapter 2 Growth of preterm born children
Hormone Research 2008; 70: 319-328 15

Chapter 3 A regression model with unexplained residuals was preferred in the analysis of the fetal origins of adult diseases hypothesis
J Clin Epidemiol 2005; 58: 1320-1324 35

Chapter 4 Reliability studies can be designed more efficiently by using variance components estimates from different sources
J Clin Epidemiol 2007; 60: 1010-1014 47

Chapter 5 A practical approach to Bland-Altman plots and variation coefficients for log transformed variables
J Clin Epidemiol 2008; 61: 978-982 61

Chapter 6 Intrauterine growth restriction: no unifying risk factor for the metabolic syndrome in young adults
Eur J Cardiovasc Prev Rehabil 2009 in press 75

Chapter 7 Effect of intrauterine growth restriction on kidney function at young adult age: the Nord Trøndelag Health (HUNT 2) Study
Am J Kidney Dis 2008; 51: 10-20 91

Chapter 8 Associations between prenatal and infancy weight gain and BMI, fat mass, and fat distribution in young adulthood: a prospective cohort study in males and females born very preterm
Am J Clin Nutr 2005; 81: 480-487 111

Chapter 9 General discussion 129

Chapter 10 Summary 151
Samenvatting 155
Dankwoord 163
Curriculum Vitae 165
List of publications 167