Epidural anaesthesia with levobupivacaine and ropivacaine : effects of age on the pharmacokinetics, neural blockade and haemodynamics

Simon, M.J.G.

Epidural Anaesthesia with Levobupivacaine and Ropivacaine:

Effects of Age on the Pharmacokinetics, Neural blockade and Haemodynamics

PROEFSCHRIFT

ter verkrijging van
de graad van Doctor aan de Universiteit Leiden,
op gezag van de Rector Magnificus Dr. D.D. Breimer,
hoogleraar in de faculteit der Wiskunde en
Natuurwetenschappen en die der Geneeskunde,
volgens besluit van het College voor Promoties
te verdedigen op donderdag 11 mei 2006
te klokke 16.15 uur

door

Mischa Johan Gerardus Simon
geboren te Haarlem
in 1971

Promotiecommissie:

Promotor:	Prof. Dr. Ir. A.G.L. Burm † Prof. Dr. J.W. van Kleef
Co-promotor:	Dr. B.Th. Veering
Referent:	Prof. Dr. M. Danhof
Overige leden:	Prof. J. Sjövall, Karolinska Institutet, Stockholm, Sweden Prof. Dr. R.G.J. Westendorp Prof. Dr. A. Dahan

Voor Annemarie, Tijmen en Ward

The studies, described in Chapter 7-9 were supported financially and study medications (levobupivacaine and deuterium-labelled levobupivacaine) were provided by Celltech Chiroscience Ltd., Cambridge, United Kingdom. Plasma concentrations of (deuterium-labelled) levobupivacaine were determined by Inveresk Research International Ltd., Tranent, Scotland, UK.

The studies, described in Chapter 10-11 were supported financially by AstraZeneca, Zoetermeer, The Netherlands. Study medications (ropivacaine and deuterium-labelled ropivacaine) were provided and plasma concentrations of (deuterium-labelled) ropivacaine were determined by AstraZeneca, Södertälje, Sweden.

Cover: The old and young man on the beach, Plettenberg Bay, South Africa 2005; design by Mischa Simon & Wouter Simon

Printed by PrintPartners Ipskamp, Enschede, the Netherlands

ISBN-10: 90-9020629-9
ISBN-13: 978-90-9020629-5

Financial support for the printing of this thesis was provided by AstraZeneca BV, Zoetermeer, Mundipharma Pharmaceuticals BV, Amersfoort, Abbott BV, Hoofddorp, GlaxoSmithKline BV, Zeist and Pfizer BV, Capelle a/d IJssel.

— CONTENTS —