

University of Groningen

Delay in safe motherhood

van Lonkhuijzen, Luc Roeland Clemens Willem

IMPORTANT NOTE: You are advised to consult the publisher's version (publisher's PDF) if you wish to cite from it. Please check the document version below.

Document Version

Publisher's PDF, also known as Version of record

Publication date:
2011

[Link to publication in University of Groningen/UMCG research database](#)

Citation for published version (APA):

van Lonkhuijzen, L. R. C. W. (2011). *Delay in safe motherhood*. [Thesis fully internal (DIV), University of Groningen]. [s.n.].

Copyright

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

The publication may also be distributed here under the terms of Article 25fa of the Dutch Copyright Act, indicated by the "Taverne" license. More information can be found on the University of Groningen website: <https://www.rug.nl/library/open-access/self-archiving-pure/taverne-amendment>.

Take-down policy

If you believe that this document breaches copyright please contact us providing details, and we will remove access to the work immediately and investigate your claim.

Downloaded from the University of Groningen/UMCG research database (Pure): <http://www.rug.nl/research/portal>. For technical reasons the number of authors shown on this cover page is limited to 10 maximum.

Delay in Safe Motherhood

Luc van Lonkhuijzen

Financial support for the publication of this thesis was generously provided by the Working Party on International Safe Motherhood & Reproductive Health

© 2011 Luc van Lonkhuijzen

All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without written permission of the author and the publisher holding the copyrights of the published articles.

ISBN: 978 94 6070 038 5

Luc@vanLonkhuijzen.com

Cover design:



www.boltgraphics.com

Printed by Ipskamp Drukkers, Enschede, The Netherlands

Rijksuniversiteit Groningen

Delay in Safe Motherhood

Proefschrift

ter verkrijging van het doctoraat in de
Medische Wetenschappen
aan de Rijksuniversiteit Groningen
op gezag van de
Rector Magnificus, dr. E. Sterken,
in het openbaar te verdedigen op
woensdag 25 mei 2011
om 16.15 uur

door

Luc Roeland Clemens Willem van Lonkhuijzen

geboren op 9 augustus 1970
te Rotterdam

Promotores: Prof. dr. P.P. van den Berg
Prof. dr. J. van Roosmalen
Prof. dr. A.J.J.A. Scherpbier

Copromotor: Dr. G.G. Zeeman

Beoordelingscommissie: Prof. dr. G. Croiset
Prof. dr. I. Hutter
Prof. dr. F. Scheele

By the time..

Today, Mary, the lady who helps us in the house, came late to work, I told her off for being late and asked why. She said that one of her townswomen had died in the hospital while giving birth to a baby. This was her fifth delivery. She was not from a far off village but from Sokoto city itself. She had not gone too late to hospital but rather gone on time.

By the time they found a vehicle to go to hospital, by the time they struggled to get her an admission card. By the time she was admitted, by the time her file was made up, by the time the midwife was called, by the time the midwife finished eating, by the time the midwife came, by the time the husband went and bought some gloves, by the time the gloves were brought to the hospital, by the time the midwife was called, by the time the midwife came, by the time the midwife examined the woman, by the time the bleeding started, by the time the doctor was called, by the time the doctor could be found, by the time the ambulance went to find the doctor, by the time the doctor came. by the time the husband went out to buy drugs, IV set, drip and bottle of ether, by the time the husband went round to look for blood bags all round town, by the time the husband found one and by the time the husband begged the pharmacist to reduce the prices since he had already spent all his money on the swabs, dressings, drugs and fluids, by the time the haematologist was called. by the time the haematologist came and took blood from the poor tired husband, by the time the day and night nurses changed duty, by the time the day and night doctors changed duty, by the time the midwife came again, by the time the doctor was called, by the time the doctor could be found, by the time the doctor came, by the time the t's had been properly crossed and all the i's dotted and the husband signed the consent form, the woman died.

Today the husband wanted to sell the drugs and other things they never used to be able to carry the body of his wife back to their village but he could never trace the body again in the hospital.

Excerpt from a letter by Tahzib Farhang¹ Used with his kind permission

¹Thaddeus S, Maine D. Too far to walk: maternal mortality in context. Soc Sci Med 1994; 38(8):1091-1110

Contents

Chapter 1 Introduction	9
Chapter 2 Use of a maternity waiting home in rural Zambia	17
Chapter 3 Maternity waiting facilities for improving maternal and neonatal outcome in low-resource countries	27
Chapter 4 A systematic review of the effectiveness of training in emergency obstetric care in low resource environments	49
Chapter 5 Implementing safe motherhood: A low-cost intervention to improve the management of eclampsia in a referral hospital in Malawi	71
Chapter 6 Validation of a skills assessment method for shoulder dystocia and postpartum haemorrhage	83
Chapter 7 Perceptions of women, nurses, midwives and doctors about the use of video during birth to improve quality of care: Focus group discussions	99
Chapter 8 Discussion and Conclusion	113
Chapter 9 Nederlandse samenvatting Over moedersterfte en de rol van vertraging	125
Dankwoord	131
About the author	133
Publications by the author	135
SHARE Publications	139
Safe Motherhood Publications	141
Supplement 1 Implementing safe motherhood: Free resources for training in maternal and neonatal care	143
Supplement 2 Low cost simulation models for teaching episiotomy/laceration repair and venous cut down	147

