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## Safe motherhood : severe maternal morbidity in the Netherlands. The LEMMoN study

Zwart, J.J.

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**Safe motherhood:  
Severe acute maternal morbidity in  
the Netherlands**

*The LEMMoN study*

**Joost Zwart**

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# **Safe motherhood: Severe acute maternal morbidity in the Netherlands**

*The LEMMoN study*

**PROEFSCHRIFT**

ter verkrijging van

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in 1972

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Promotor            Prof. J. van Roosmalen

Overige leden      Prof. A. Brand  
                         Prof. J.M.M. van Lith  
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                         Prof. J.P. Vandenbroucke  
                         Prof. J.I.P. de Vries (VU University Medical Center)  
                         Dr. G.G. Zeeman (University Medical Center Groningen)

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*Dus moeten we dansen en moeten we vrijen  
Moeten we lachen en drinken vol vuur  
God verbood wat we allemaal deden  
Leef toch je leven als je allerlaatste uur*

(Uit: Niemand weet hoe laat het is, Youp van 't Hek)

Aan: Maaïke, Hidde, Tijn en ...



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## Abbreviations

AFE	amniotic fluid embolism
ARDS	adult respiratory distress syndrome
BMI	body mass index
BTL	blood transfusion laboratory
CBS	[Centraal Bureau voor de Statistiek], Statistics Netherlands
CI	confidence interval
CS	caesarean section
CTG	cardiotocography
FFP	free frozen plasma
HELLP	haemolysis, elevated liver enzymes, low platelets syndrome
ICSI	intracytoplasmic sperm injection
ICU	intensive care unit
IVF	in vitro fertilisation
LEMMoN	[Landelijke studie naar Etnische determinanten van Maternale Morbiditeit in Nederland], Nationwide study into ethnic determinants of severe maternal morbidity in the Netherlands
LVR	[Landelijke Verloskunde Registratie], Dutch perinatal database
MOH	major obstetric haemorrhage
NSCOG	[Nationaal Signaleringscentrum Obstetrie en Gynaecologie], National Signalling Centre for Obstetrics and Gynaecology
NVOG	[Nederlandse Vereniging voor Obstetrie en Gynaecologie], Dutch society of Obstetrics and Gynaecology
OR	odds ratio
PRN	[Perinatale Registratie Nederland], The Netherlands Perinatal Registry
RBC	red blood cells
RR	relative risk
SAMM	severe acute maternal morbidity
VBAC	vaginal birth after caesarean section
WHO	World Health Organization

