

University of Groningen

Self-rated health and mortality after kidney transplantation

Majerníková, Mária

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:

2013

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

Citation for published version (APA):

Majerníková, M. (2013). *Self-rated health and mortality after kidney transplantation*. University of Groningen.

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).

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.

Self-rated health and mortality after kidney transplantation

Mária Majerníková

Copyright:

© 2013 Mária Majerníková

© 2010 Wiley-Periodicals, Inc., A Wiley Company (Chapter 3)

© 2011 S. Karger AG, Basel (Chapter 4)

© 2012 S. Karger AG, Basel (Chapter 7)

Thesis for the University of Groningen, the Netherlands – with a summary in Slovak and Dutch.

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system or transmitted in any form or by any means electronic, mechanical, photocopying, recording or otherwise, without prior written permission of the author.

Correspondence: mamajern@gmail.com

This work was supported by the Science and Technology Assistance Agency under contracts No. APVV-20-038305 and APVV-0220-10 (60%). Furthermore, this work was partially supported by the Agency of the Slovak Ministry of Education for the Structural Funds of the EU, under project number ITMS:26220120058 and by the Medical Board of Fresenius Medical Care Germany.

The printing of this thesis was supported by the Graduate School for Health Research (SHARE), the Graduate School Kosice Institute for Society and Health (KISH), the University Medical Center Groningen (UMCG) and the University of Groningen.

Design and layout: Mária Majerníková, Peter Kolarčík and Diana Matláková

Book cover: Emília Závacká

Language proof: David L McLean

Press: Equilibria, s.r.o.

Printed in the Slovak Republic

ISBN 978-90-367-6597-8

RIJKSUNIVERSITEIT GRONINGEN

Self-rated health and mortality after kidney transplantation

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
25 november 2013
om 12.45 uur

door

Mária Majerníková
geboren op 3 oktober 1975
te Kosice, Slowakije

Promotor: Prof. dr. J.W. Groothoff

Copromotores: Dr. J.P. van Dijk
Dr. J. Rosenberger
Dr. R. Roland

Safarik University Kosice, Slovakia
Pasteur University Hospital Kosice, Slovakia

Beoordelingscommissie: Prof. Dr. M. Hagedoorn
Prof. Dr. D. Marcelli
Prof. Dr. W.J. van Son

Danube University Krems, Austria

*The general essence of a man is his mind.
The general essence of a mind is prying.
The general essence of prying is a question.
A question brings research.
Good research discovers adequate answers.
A man would be able to incorporate an answer into his life.
This could improve his well-being and quality of life
and bring new questions
with new improved answers.
This is called an evolution.*

Contents

Part I General introduction

| | |
|--|----|
| Chapter 1 Introduction | 9 |
| Chapter 2 Data source, measures and statistical analyses | 19 |

Part II Self-rated health as a health outcome

| | |
|--|----|
| Chapter 3 Self-rated health after kidney transplantation and the change in graft function | 27 |
| Chapter 4 Factors associated with self-rated health after kidney transplantation – a prospective study | 41 |
| Chapter 5 Anemia has a negative impact on self-rated health in kidney transplant recipients with well-functioning grafts: findings from an 8-year follow-up study..... | 53 |

Part III Patient and graft mortality as a health outcome

| | |
|---|----|
| Chapter 6 Anemia is an independent predictor of mortality in kidney transplant recipients: results from a 10-year follow-up study | 69 |
| Chapter 7 Self-rated health predicts mortality and graft loss after kidney transplantation: a 10-year follow-up study | 83 |

Part IV Discussion of the study findings

| | |
|----------------------------|----|
| Chapter 8 Discussion | 97 |
|----------------------------|----|

| | |
|----------------------|-----|
| Summary | 109 |
|----------------------|-----|

| | |
|---------------------------|-----|
| Samenvatting | 113 |
|---------------------------|-----|

| | |
|-----------------------|-----|
| Zhrnutie | 117 |
|-----------------------|-----|

| | |
|-------------------------------|-----|
| Acknowledgements | 121 |
|-------------------------------|-----|

| | |
|-------------------------------|-----|
| About the author | 125 |
|-------------------------------|-----|

| | |
|--|-----|
| Graduate School Kosice Institute for Society and Health and previous dissertations | 129 |
|--|-----|

| | |
|---|-----|
| Groningen Graduate School of Medical Sciences – Research Institute SHARE | 133 |
|---|-----|

