



Universiteit
Leiden
The Netherlands

Risk factors and new markers of pulmonary fungal infection

Boer, M.G.J. de

Citation

Boer, M. G. J. de. (2011, March 15). *Risk factors and new markers of pulmonary fungal infection*. Retrieved from <https://hdl.handle.net/1887/16623>

Version: Corrected Publisher's Version

[Licence agreement concerning inclusion of doctoral thesis in the Institutional Repository of the University of Leiden](#)

License: [Downloaded from: https://hdl.handle.net/1887/16623](https://hdl.handle.net/1887/16623)

Note: To cite this publication please use the final published version (if applicable).

Risk Factors and New Markers of Pulmonary Fungal Infection

*Pneumocystis pneumonia and Invasive Aspergillosis
following Transplantion:
Indicators of Transmission, Risk and Disease*

ISBN: 978-94-6169-029-6

Nothing from this publication may be copied or reproduced without the permission of the author. © M.G.J. de Boer, 2011.

Printing of this thesis was financially supported by (in alphabetical order):
Abbott B.V., Gilead B.V., Janssen-Cilag B.V., Merck Sharp & Dohme B.V, and ViiV-Healthcare B.V.

Printing: Optima Grafische Communicatie, Rotterdam, The Netherlands

Risk Factors and New Markers of Pulmonary Fungal Infection

*Pneumocystis pneumonia and Invasive Aspergillosis
following Transplantion:
Indicators of Transmission, Risk and Disease.*

Proefschrift

ter verkrijging van
de graad van Doctor aan de Universiteit Leiden
op gezag van Rector Magnificus prof. mr. P.F. van der Heijden,
volgens besluit van het College voor Promoties
te verdedigen op dinsdag 15 maart 2011
klokke 15.00 uur

door

Markus Gerardus Johannes de Boer
geboren te Utrecht
in 1977

Promotiecommissie

Promotor:

Prof. dr. J. T. van Dissel

Co-promotor:

Dr. F.P. Kroon

Overige leden:

Prof. dr. J.W. de Fijter

Prof. dr. B-J. Kullberg (University Medical Center St Radboud, Nijmegen, The Netherlands)

Dr. J.L. Nouwen (Erasmus MC, University Medical Center Rotterdam, The Netherlands)

Contents

Chapter 1	General Introduction and Outline of the Thesis.	7
Chapter 2	An Outbreak of <i>Pneumocystis jiroveci</i> Pneumonia with 1 Predominant Genotype among Renal Transplant Recipients: Interhuman Transmission or a Common Environmental Source?	27
Chapter 3	Outbreaks and Clustering of <i>Pneumocystis jirovecii</i> Pneumonia in Kidney Transplant Recipients: A Systematic Review.	41
Chapter 4	Risk Factors for <i>Pneumocystis jirovecii</i> Pneumonia in Kidney Transplant Recipients and Appraisal of Strategies for Selective Use of Prophylaxis.	59
Chapter 5	β -D-glucan and S-adenosylmethionine Serum Levels for the Diagnosis of <i>Pneumocystis</i> Pneumonia in HIV-negative Patients: a Prospective Study.	79
Chapter 6	The Y238X Stop Codon Polymorphism in the Human Beta-Glucan Receptor Dectin-1 and Susceptibility to Invasive Aspergillosis.	95
Chapter 7	Influence of Polymorphisms in Innate Immunity Genes on Susceptibility to Invasive Aspergillosis after Stem Cell Transplantation.	111
Chapter 8	Radiotracers for Fungal Infection Imaging	125
Chapter 9	General Discussion and Summary	143
Chapter 10	Dutch Summary (Nederlandse Samenvatting)	155
Curriculum Vitae		167
Nwoord		169
List of Publications		171

