

**The importance of the arginine/ADMA
ratio on the bioavailability of nitric oxide
and organ function in critically ill
patients**

The work presented in this theses was performed at the Department of Surgery and the Department of Clinical Pharmacology and Pharmacy, VU University medical center, Amsterdam, The Netherlands.

Nederlandse titel: Het belang van de arginine/ADMA ratio op de biologische beschikbaarheid van stikstomonoxide en orgaanfunctie bij ernstig zieke patiënten.

Publication of this thesis was financially supported by:

Nutricia Advanced Medical Nutrition, Danone Research – Centre for Specialised Nutrition.

Printed by proefschriftmaken.nl

ISBN 978-90-8891-401-0

© Copyright: MC Richir, Amsterdam, 2012

Cover-design and lay-out: S.M. Richir and C. van Kan

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

VRIJE UNIVERSITEIT

**The importance of the arginine/ADMA ratio on
the bioavailability of nitric oxide and organ
function in critically ill patients**

ACADEMISCH PROEFSCHRIFT

ter verkrijging van de graad Doctor aan
de Vrije Universiteit Amsterdam,
op gezag van de rector magnificus
prof.dr. L.M. Bouter,
in het openbaar te verdedigen
ten overstaan van de promotiecommissie
van de faculteit der Geneeskunde
op vrijdag 20 april 2012 om 11.45 uur
in de aula van de universiteit,
De Boelelaan 1105

door

Milan Christian Richir

geboren te Zaanstad