

VU Research Portal

Assessment of cardiovascular autonomic function in the anaesthesia population

Keet, S.W.M.

2015

document version

Publisher's PDF, also known as Version of record

[Link to publication in VU Research Portal](#)

citation for published version (APA)

Keet, S. W. M. (2015). *Assessment of cardiovascular autonomic function in the anaesthesia population*. [PhD-Thesis - Research and graduation internal, Vrije Universiteit Amsterdam].

General rights

Copyright and moral rights for the publications made accessible in the public portal are retained by the authors and/or other copyright owners and it is a condition of accessing publications that users recognise and abide by the legal requirements associated with these rights.

- Users may download and print one copy of any publication from the public portal for the purpose of private study or research.
- You may not further distribute the material or use it for any profit-making activity or commercial gain
- You may freely distribute the URL identifying the publication in the public portal

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.

E-mail address:

vuresearchportal.ub@vu.nl

CONTENTS

List of abbreviations	6
Chapter 1 – General Introduction	9
Chapter 2 – The impact of autonomic dysfunction on perioperative cardiovascular complications	21
Chapter 3 – Health risk factors in the anaesthesia population	37
Chapter 4 – Level of agreement between heart rate variability and pulse rate variability in healthy individuals	53
Chapter 5 – Short-term heart rate variability in healthy adults	67
Chapter 6 – Reproducibility of non-standardised autonomic function testing in the preoperative assessment screening clinic	81
Chapter 7 – Cardiovascular autonomic function testing under non-standardised and standardised conditions in cardiovascular patients with type II diabetes mellitus	95
Chapter 8 – Preoperative short-term pulse rate variability as a predictive tool for intraoperative hypotension: a pilot study	111
Chapter 9 – Relax, it's just laparoscopy!	129
Chapter 10 – General conclusions and discussion	147
English summary	162
Nederlandse samenvatting (Dutch summary)	166
Dankwoord (Acknowledgements)	170
Curriculum vitae auctoris	174
List of publications	175