

University of Groningen

Optimizing care for patients with symptomatic carotid disease

Kolkert, Joe

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:

2017

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

Citation for published version (APA):

Kolkert, J. (2017). Optimizing care for patients with symptomatic carotid disease [Groningen]: Rijksuniversiteit 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.

OPTIMIZING CARE FOR PATIENTS WITH SYMPTOMATIC CAROTID DISEASE

J.L.P. Kolkert



rijksuniversiteit
 groningen

Optimizing care for patients with symptomatic carotid disease

Proefschrift

Ter verkrijging van de graad van doctor aan de
 Rijksuniversiteit Groningen
 op gezag van de
 rector magnificus prof. dr. E. Sterken
 en volgens het besluit van het College voor Promoties.

De openbare verdediging zal plaatsvinden op
 maandag 13 februari 2017 om 11:00 uur

door

Joé Laurens Peter Kolkert

geboren op 2 juni 1978
 te 's-Hertogenbosch

Kolkert, J.L.P.
 Optimizing care for patients with symptomatic carotid disease
 Thesis, University of Groningen, Groningen, the Netherlands

ISBN: 978-94-028-0497-3

© Copyright 2016 J.L.P. Kolkert, the Netherlands

All rights are reserved.

Cover design, type setting and lay-out by Tara Kinneging, Persoonlijk Proefschrift
 Printed by Ipskamp Printing

Financial support Krijnen Medical Innovations B.V.; Olympus Nederland B.V.;
 VASCUTEK Nederland

Promotor Prof. dr. C.J.A.M. Zeebregts

Co-promotores Dr. A.C. Vahl
Dr. R. Meerwaldt

Beoordelingscommissie Prof. dr. G.J. de Borst
Prof. dr. I.J. Schultze Kool
Prof. dr. A.J.Smit

Voor mijn stoere jongens Thijmen, IJsbrand en Boudewijn

CONTENTS

Chapter 1	General Introduction and outline of this thesis	9
Chapter 2	Medical treatment in carotid artery intervention <i>J Cardiovasc Surg 2011; 52: 803-819</i>	17
Chapter 3	Endarterectomy or carotid artery stenting; the quest continues part two <i>Am J Surg 2015; 209: 403-412</i>	41
Chapter 4	Overestimation of contralateral internal carotid artery stenosis before ipsilateral surgical endarterectomy <i>Eur J Radiol 2011; 77: 68-72</i>	59
Chapter 5	Relation between B-mode gray-scale median and clinical features of carotid stenosis vulnerability <i>Ann Vasc Surg 2014; 28: 404-410</i>	71
Chapter 6	Analyse van de ketenorganisatie rond carotischirurgie bij patiënten met symptomatisch carotislijden <i>Ned Tijdschrift Geneeskund 2013; 157: A5746</i>	85
Chapter 7	Cost-effectiveness of two decision strategies for shunt use during carotid endarterectomy <i>Submitted</i>	97
Chapter 8	Summary, general discussion and future perspectives	113
Chapter 9	Nederlandse samenvatting en discussie	125
Appendices	List of publications	139
	Acknowledgements (Dankwoord)	141
	Curriculum Vitae	143