

University of Groningen

Lymph node staging in colon cancer

Kelder, Wendy

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:

2008

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

Citation for published version (APA):

Kelder, W. (2008). *Lymph node staging in colon cancer*. s.n.

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).

The publication may also be distributed here under the terms of Article 25fa of the Dutch Copyright Act, indicated by the "Taverne" license. More information can be found on the University of Groningen website: <https://www.rug.nl/library/open-access/self-archiving-pure/taverne-amendment>.

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.

Lymph node staging in colon cancer

Wendy Kelder

ISBN: 978-90-367-3291-8

ISBN (electronic version): 978-90-367-3292-5

©Copyright 2007 Wendy Kelder .

All rights reserved. No part of this book may be reproduced in any form or by any means, electronical or mechanical, without written permission from the author or from the publisher holding the copyright of the published articles.

Cover design: Han Henstra

Printed by: Gildeprint, Enschede

Financial support for the publication of this thesis was kindly provided by:
Integraal Kankercentrum Noord-Nederland, Martiniziekenhuis, Afdeling Chirurgische Oncologie UMCG, Sanofi-Aventis, Novartis, Covidien/Tyco Nederland, KCI Medical

RIJKSUNIVERSITEIT GRONINGEN

Lymph node staging in colon cancer

Proefschrift

ter verkrijging van het doctoraat in de
Medische Wetenschappen
aan de Rijksuniversiteit Groningen
op gezag van de
Rector Magnificus, dr. F. Zwarts,
in het openbaar te verdedigen op
woensdag 9 januari 2008
om 14.45 uur

door

Wendy Kelder

geboren op 9 januari 1976

te Oosterhesselen

Promotor:

Prof. dr. T. Wiggers

Copromotor:

Dr. J.T.M. Plukker

Beoordelingscommissie:

Prof. dr. H. Hollema

Prof. dr. R.M. Hofstra

Prof. dr. R.A. Tollenaar

Paranimfen:

Elvira Flikweert

Anne Karliczek

Not to be absolutely certain is one of the essential things in rationality

Bertrand Russell

Contents

Chapter 1	Introduction, aim and outline of the thesis	11
Chapter 2	Impact of the number of histologically examined lymph nodes on prognosis in colon cancer: a population-based study in the Netherlands	19
Chapter 3	Effect of modified Davidson's fixative on examined number of lymph nodes and TNM-stage in colon carcinoma	37
Chapter 4	RT-PCR and immunohistochemical evaluation of sentinel lymph nodes after in vivo mapping with Patent Blue V in colon cancer patients	53
Chapter 5	The sentinel node procedure in colon carcinoma: a multi-centre study in the Netherlands	67
Chapter 6	Additional value of RT-PCR analysis on sentinel nodes in determining the pathological nodal status in colon cancer	81
Chapter 7	Effects of 5-fluorouracil adjuvant treatment of colon cancer	95
Chapter 8	Summary, conclusions and future perspectives	119
Chapter 9	Samenvatting, conclusies en toekomstperspectieven	133
Dankwoord		147
List of Publications		151

