



Universiteit  
Leiden  
The Netherlands

## **Identification and prevention of the Lynch syndrome**

Meulen - de Jong, A.E.

### **Citation**

Meulen - de Jong, A. E. (2007, June 6). *Identification and prevention of the Lynch syndrome*. Retrieved from <https://hdl.handle.net/1887/12042>

Version: Corrected Publisher's Version

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

Downloaded from: <https://hdl.handle.net/1887/12042>

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

## **Identification and Prevention of the Lynch Syndrome**

ISBN: 978-90-9021889-2

Cover: Foto van zeefdruk op perspex van Lu Luo, april 2001

© 2007, Andrea E. van der Meulen – de Jong, Voorburg

This thesis was prepared at the Netherlands Foundation for the Detection of Hereditary Tumors and at the departments of Gastroenterology-Hepatology and Pathology, Leiden University Medical Center, The Netherlands.

The Netherlands Organization for Health, Research and Development: ZonMw (Zorg Onderzoek Nederland) funded the research described in this thesis.

Astra Zeneca, Ferring Pharmaceuticals and Novartis Oncology financially supported the printing of this thesis.

# **Identification and Prevention of the Lynch Syndrome**

## **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 woensdag 6 juni 2007  
klokke 13.45 uur

door

**Andrea Elisabeth van der Meulen – de Jong**

geboren te Epe in 1976

## **Promotiecommissie**

Promotor:

Prof. Dr. C.B.H.W. Lamers

Co-promotor:

Dr. H.F.A. Vasen

Referent:

Prof. Dr. G. Möslein (St. Josefs-Hospital Bochum-Linden, Germany)

Overige leden:

Prof. Dr. M.H. Breuning

Prof. Dr. J.H. Kleibeuker (Rijks Universiteit Groningen)

Prof. Dr. H. Morreau

Dr. F.M. Nagengast (Radboud Universiteit Nijmegen)

Prof. Dr. J.W.R. Nortier

## CONTENTS

Chapter 1	Introduction	7
Chapter 2	Microsatellite instability (MSI), immunohistochemistry (IHC) and additional PMS2 staining in suspected HNPCC <i>Clin Cancer Res 2004;10(3):972-80</i>	15
Chapter 3	Diagnostic approach and management of Lynch Syndrome (Hereditary Nonpolyposis Colorectal Carcinoma): A guide for clinicians <i>CA Cancer J Clin 2006;56:213-225</i>	29
Chapter 4	The role of mismatch repair gene defects in the development of adenomas in patients with HNPCC <i>Gastroenterology 2004;126(1):42-8</i>	47
Chapter 5	What is the appropriate screening protocol in Lynch Syndrome? <i>Familial Cancer, 2006;5(4):373-8</i>	59
Chapter 6	Decrease in mortality in Lynch Syndrome families because of surveillance <i>Gastroenterology 2006;130(3):665-71</i>	69
Chapter 7	Prospective results of surveillance colonoscopy in dominant familial colorectal cancer with and without Lynch syndrome <i>Gastroenterology 2006;130(7):1995-2000</i>	81
Chapter 8	The frequency of a positive family history for colorectal cancer: a population-based study in the Netherlands <i>Neth J Med. 2006 Nov;64(10):367-70</i>	91
Chapter 9	Prevalence of adenomas among young individuals at average risk for colorectal cancer <i>Am. J. Gastroenterology. 2005;100(1):139-43</i>	99
Chapter 10	Summary and Discussion	107
Chapter 11	Nederlandse Samenvatting (Dutch Summary)	113
	List of Publications	120
	Nawoord (Acknowledgements)	123
	Curriculum Vitae	125

