



Universiteit  
Leiden  
The Netherlands

## **Prognostication and treatment decision-making in early breast cancer**

Fiets, Willem Edward

### **Citation**

Fiets, W. E. (2006, January 12). *Prognostication and treatment decision-making in early breast cancer*. Retrieved from <https://hdl.handle.net/1887/4278>

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/1887/4278>

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

**Prognostication and  
treatment decision-making  
in early breast cancer**

**Edward Fiets**

## **Prognostication and treatment decision-making in early breast cancer**

**Copyright:** W.E. Fiets

Leeuwarden, The Netherlands

**ISBN:** 90-9020131-9

**Printed by:** Ponsen & Looijen b.v., Wageningen

Financial support for printing this thesis by Raadgevers Medische Beroepen, AstraZeneca, Sanofi-Aventis, Roche Nederland, Novartis Pharma, Eli Lilly Nederland and Amgen is gratefully acknowledged.

# **Prognostication and treatment decision-making in early breast cancer**

## **Proefschrift**

ter verkrijging van  
de graad van Doctor aan de Universiteit Leiden,  
op gezag van de Rector Magnificus Dr. D.D. Breimer,  
hoogleraar in de faculteit der Wiskunde en  
Natuurwetenschappen en die der Geneeskunde,  
volgens besluit van het College voor Promoties  
te verdedigen op donderdag 12 januari 2006  
klokke 16.15 uur

door  
Willem Edward Fiets  
geboren te Apeldoorn  
in 1969

# PROMOTIECOMMISSIE

<b>Promotores</b>	Prof. dr. J.W.R. Nortier Prof. dr. H. Struikmans Prof. dr. M.A. Blankenstein (VU Medisch Centrum Amsterdam)
<b>Referent</b>	Prof. dr. C.J.H. van de Velde
<b>Leden</b>	Prof. dr. E.M. Noordijk Dr. V.T.H.B.M. Smit Prof. dr. J.G.M Klijn (Erasmus Medisch Centrum Rotterdam)

*Voor mijn ouders*



# CONTENTS

<b>Chapter 1</b>	General introduction: Advances in prognosis and management of early breast cancer and outline of this thesis	1
<b>Chapter 2</b>	Prognostic factors in breast cancer. Results of a prospective, multicentre, observational study on 463 patients with long-term follow-up.	17
<b>Chapter 3</b>	The effects of non-breast cancer related death and contralateral breast cancer on estimated outcome probability in patients with early breast cancer. <i>Submitted</i>	39
<b>Chapter 4</b>	The prognostic value of hormone receptor detection by enzyme immuno assay and immunohistochemistry; a prospective study in patients with early breast cancer. <i>International Journal of Biological Markers 2002; 17: 24-32.</i>	55
<b>Chapter 5</b>	Prognostic value of mitotic counts in axillary node negative breast cancer patients with predominantly well-differentiated tumours. <i>Journal of Surgical Oncology 2005; 31: 128-133.</i>	75



<b>Chapter 6</b>	A comparison and validation in the Dutch setting of Adjuvant! and Numeracy; two web-based models predicting outcome for early breast cancer. <i>Submitted</i>	91
<b>Chapter 7</b>	Acute toxicity of concurrent adjuvant radiotherapy and chemotherapy (CMF or AC) in breast cancer: a prospective, comparative non-randomised study. <i>European Journal of Cancer 2003; 39: 1081-88.</i>	115
<b>Chapter 8</b>	Summary and general discussion	137
<b>Chapter 9</b>	Samenvatting en algemene discussie	151
<b>List of abbreviations</b>		165
<b>Nawoord</b>		167
<b>Curriculum Vitae</b>		169
<b>List of publications</b>		171



