

Management of elderly patients with breast cancer: towards evidence based medicine

Water, W. van de

Citation

Water, W. van de. (2014, June 12). *Management of elderly patients with breast cancer:* towards evidence based medicine. Retrieved from https://hdl.handle.net/1887/26908

Version: Corrected Publisher's Version

License: License agreement concerning inclusion of doctoral thesis in the

Institutional Repository of the University of Leiden

Downloaded from: https://hdl.handle.net/1887/26908

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

Cover Page



Universiteit Leiden



The handle http://hdl.handle.net/1887/26908 holds various files of this Leiden University dissertation

Author: Water, Willemien van de

Title: Management of elderly patients with breast cancer towards evidence based

medicine

Issue Date: 2014-06-12

Management of elderly patients with breast cancer

towards evidence based medicine

Willemien van de Water

Cover design: Gemma Frowijn

Lay-out: Chris Bor

Printed by: Gildeprint, Enschede

Management of elderly patients with breast cancer – towards evidence based medicine Thesis, Leiden University, The Netherlands, 2014.

© Willemien van de Water, The Netherlands, 2014.

ISBN: volgt

The research described in this thesis was made possible by the Dutch Cancer Society (2007-3968), Foundation 'De Drie Lichten', Foundation 'René Vogels', Foundation 'Michael van Vloten', and the European Society of Surgical Oncology.

Management of elderly patients with breast cancer

towards evidence based medicine

Proefschrift

ter verkrijging van

de graad van Doctor aan de Universiteit Leiden,
op gezag van Rector Magnificus prof. mr. C.J.J.M. Stolker,
volgens besluit van het College voor Promoties
te verdedigen op 12 juni 2014 klokke 16.15 uur.

door

Willemien van de Water geboren te Assen in 1984

Promotiecommissie

Promotores Prof. dr. C.J.H. van de Velde

Prof. dr. R.G.J. Westendorp

Co-promotores Dr. G.J. Liefers

Dr. A.J.M. de Craen

Overige leden Prof. dr. J.W.R. Nortier

Prof. dr. M. Extermann Dr. J.E.A. Portielje Dr. Ir. E. Bastiaannet

Contents

Part I. General introduction

Chapter 1.	Introduction	9
Part II. Evider	nce based medicine in elderly breast cancer patients	
Chapter 2.	Limited evidence base for locoregional treatment of patients aged 75 years or older with early stage breast cancer	19
Chapter 3.	The external validity of a clinical trial comprising elderly patients with hormone receptor positive breast cancer	37
Chapter 4.	Adherence to treatment guidelines and survival by age at diagnosis in patients with early stage breast cancer	51
Part III. Breas	t cancer outcome in elderly breast cancer patients	
Chapter 5.	Association between age at diagnosis and disease specific mortality among postmenopausal women with hormone receptor positive breast cancer	67
Chapter 6.	Elderly postmenopausal patients with breast cancer are at increased risk for distant recurrence	85
Chapter 7.	Association between age at diagnosis and relative survival in elderly breast cancer patients from the general population	97
Part IV. Treat	ment outcome in elderly breast cancer patients	
Chapter 8.	Breast conserving surgery with or without radiotherapy in older patients with early stage breast cancer – a systematic review and meta-analysis	111
Chapter 9.	Age specific nonpersistence of endocrine therapy in postmenopausal patients with hormone receptor positive breast cancer	127
Chapter 10.	Management of primary metastatic breast cancer in the elderly - an international comparison of oncogeriatric versus standard care	147
Part V. Discus	ssion	
Chapter 11.	Discussion	165
Part VI. Appe	ndices	
	Nederlandse samenvatting	183
	List of co-authors	195
	List of publications	199
	Curriculum vitae	203
	Dankwoord	204