



Universiteit
Leiden
The Netherlands

Cognitive impairment in older emergency department patients

Lucke, J.A.

Citation

Lucke, J. A. (2019, October 17). *Cognitive impairment in older emergency department patients*. Retrieved from <https://hdl.handle.net/1887/79520>

Version: 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/1887/79520>

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

Cover Page



Universiteit Leiden



The handle <http://hdl.handle.net/1887/79520> holds various files of this Leiden University dissertation.

Author: Lucke, J.A.

Title: Cognitive impairment in older emergency department patients

Issue Date: 2019-10-17

Cognitive impairment in older Emergency Department patients

Jacinta Anna Lucke

The studies described in this thesis were performed at the department of Emergency Medicine of the Leiden University Medical Center, Leiden; HMC Bronovo Hospital, the Hague; Alrijne Hospital, Leiderdorp and Erasmus Medical Center, Rotterdam, the Netherlands.

Cover: Gildeprint Enschede - Ilse Modder (www.ilsemodder.nl)

Lay-out: XML2Publish

Print: Gildeprint Enschede

ISBN: 9789463236850

Financial support by the Nederlandse Vereniging voor Spoedeisende Hulp Artsen (NVSHA) and Spaarne Gasthuis for the publication of this thesis is gratefully acknowledged.

Copyright © J.A. Lucke, Leiden, the Netherlands.

All rights reserved. No part of this book may be reproduced or transmitted, in any form or by any means, without prior permission of the author, or when appropriate, of the publishers of the publications.

Cognitive impairment in older Emergency Department patients

Proefschrift

ter verkrijging van
de graad van Doctor aan de Universiteit Leiden,
gezag van Rector Magnificus prof. Mr. C.J.J.M. Stolker,
volgens besluit van het College voor Promoties
te verdedigen op donderdag 17 oktober 2019
klokke 15.00 uur

door

Jacinta Anna Lucke

geboren te Amsterdam
in 1988

Promotor

Prof. dr. G.J. Blauw

Co-promotores

Dr. S.P. Mooijaart

Dr. B. de Groot

Promotiecommissie

Prof. dr. R.C. van der Mast

Prof. dr. S.E.J.A. de Rooij, Universitair Medisch Centrum Groningen (UMCG)

Prof. dr. C.H. Nickel, University Hospital Basel

TABLE OF CONTENTS

Chapter 1	General introduction	7
Part I:	Cognitive impairment and adverse outcomes	
Chapter 2	Cognitive impaired older patients and adverse outcomes after acute hospitalisation	19
Chapter 3	Cognitive impaired older patients and adverse outcomes after a visit to the ED	33
Part II:	Screening for adverse outcomes in older Emergency Department patients	
Chapter 4	Prediction of 90-day mortality in older ED patients	49
Chapter 5	Prediction of hospital admission for younger and older ED patients	67
Chapter 6	The APOP-screener to predict functional decline and mortality in older ED patients	87
Chapter 7	Early delirium screening in older ED patients	105
Chapter 8	Vital signs and impaired cognition in older ED patients	115
Chapter 9	General discussion	131
Chapter 10	English summary	141
	Nederlandse samenvatting	147
	List of co-authors	151
	List of publications	153
	Curriculum vitae	156
	Dankwoord	159