

University of Groningen

The clinical learning environment

Hell, Elisabeth Aaltje van

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:

2009

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

Citation for published version (APA):

Hell, E. A. V. (2009). *The clinical learning environment: transition, clerkship activities and feedback*. 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.

The Clinical Learning Environment

transition, clerkship activities and feedback

The Clinical Learning Environment: transition, clerkship activities and feedback

Dissertation for the University of Groningen, the Netherlands, with references and summary in Dutch. The study presented in this thesis was carried out at the Graduate School for Health Research SHARE of the University of Groningen, within the program of Research in Medical Education (RME).

Address for correspondence

E.A. van Hell

Center for Research and Innovation in Medical Education

University of Groningen and University Medical Center Groningen

A. Deusinglaan 1, 9713 AV Groningen, The Netherlands

E.A.van.Hell@med.umcg.nl

Cover Alice Postma

Press Gildeprint Drukkerijen B.V. Enschede

© Hell van, E.A., 2009

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, without the prior written permission of the author.

ISBN 978 94 60700 04 0

RIJKSUNIVERSITEIT GRONINGEN

The Clinical Learning Environment
transition, clerkship activities and feedback

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 december 2009
om 14.45 uur

door

Elisabeth Aaltje van Hell

geboren op 13 oktober 1980
te Groningen

Promotores: Prof. dr. J.B.M. Kuks
Prof. dr. J.C.C. Borleffs

Copromotor: Prof. dr. J. Cohen-Schotanus

Beoordelingscommissie: Prof. dr. J.P.J. Slaets
Prof. dr. J.W. Snoek
Prof. dr. C.P.M. van der Vleuten

Contents

1	Introduction	7
2	Transition to clinical training: influence of pre-clinical knowledge and skills, and consequences for clinical performance	17
3	Decreasing transition difficulties by alternating skills training and clerkships	33
4	Time spent on clerkship activities by students in relation to their perceptions of learning environment quality	51
5	Instructiveness of feedback during clerkships: influence of supervisor, observation and student initiative	65
6	The digital pen as a novel device to facilitate the feedback process	81
7	General discussion	95
8	Summary	115
9	Samenvatting	121

