



Universiteit
Leiden
The Netherlands

Provision and assessment of pharmacology and pharmacotherapy education across an integrated medical school curriculum

Franson, K.L.

Citation

Franson, K. L. (2008, June 3). *Provision and assessment of pharmacology and pharmacotherapy education across an integrated medical school curriculum*. Retrieved from <https://hdl.handle.net/1887/12927>

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/1887/12927>

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

PROVISION AND ASSESSMENT OF PHARMACOLOGY AND PHARMACOTHERAPY EDUCATION
ACROSS AN INTEGRATED MEDICAL SCHOOL CURRICULUM

To the memory of my mother whose most sage life advice was
found in a driving lesson... 'Always speed up when changing lanes'.

PROVISION AND ASSESSMENT
OF PHARMACOLOGY AND
PHARMACOTHERAPY EDUCATION
ACROSS AN INTEGRATED
MEDICAL SCHOOL CURRICULUM

PROEFSCHRIFT

ter verkrijging van de graad van Doctor aan de Universiteit Leiden,
op gezag van de Rector Magnificus prof. mr. P.F. van der Heijden,
volgens besluit van het College voor Promoties te verdedigen op
dinsdag 3 juni 2008, klokke 16.15 uur

door Kari Lanette Franson, geboren te Sacramento, Verenigde Staten in 1964

PROMOTIECOMMISSIE

Promotores

Prof. Dr. A.F. Cohen

Prof. Dr. J.H. Bolk

Referent

Prof. Dr. P.A. Chase, The Gates Wigner Dean for the School of Pharmacy,
West Virginia University, Morgantown, United States

Overige leden

Prof. Dr. D.D. Breimer

Prof. Dr. H.J. Guchelaar

Prof. Dr. R.G.J. Westendorp

Design

Caroline de Lint, Voorburg, the Netherlands

Design cover

George Susich, Phoenix, United States

*Publication of this thesis was financially supported by the foundation
'Centre for Human Drug Research', in Leiden, The Netherlands*

7	INTRODUCTION
21	CHAPTER 1 Using ability-based educational methodologies to integrate pharmacology throughout a medical school curriculum
31	CHAPTER 2 Development of visual clinical pharmacology education across an integrated medical school curriculum
43	CHAPTER 3 Measuring learning from the Teaching Resource Centre (TRC) pharmacology e-learning program
55	CHAPTER 4 Assessment of the manner in which physicians communicate therapeutic plans
65	CHAPTER 5 Creating a culture of thoughtful prescribing
77	CHAPTER 6 Improving pharmacology education throughout a medical school curriculum: Change from within
91	SUMMARY AND IMPLICATIONS
99	SAMENVATTING IN HET NEDERLANDS
109	CURRICULUM VITAE
111	ACKNOWLEDGEMENT

