Contents

Chapter 1  General Introduction  7

Chapter 2  Treatment efficacy in a soman poisoned guinea pig model: added value of physostigmine?  29

Chapter 3  Percutaneous exposure to VX: clinical signs, effects on brain acetylcholine levels and EEG  49

Chapter 4  Percutaneous exposure to the nerve agent VX: efficacy of combined atropine, obidoxime and diazepam treatment  65

Chapter 5  Long-term cognitive deficits accompanied by reduced neurogenesis after soman poisoning  85

Chapter 6  General Discussion  105

Summary  113
Samenvatting  117
Abbreviations  121
Dankwoord  125
Curriculum Vitae  129