Contents

Chapter one General introduction 7

Chapter two White matter hyperintensities, medial temporal lobe atrophy, cortical atrophy and response to electroconvulsive therapy in severely depressed elderly 25

Chapter three White matter hyperintensities and cognitive impairment during electroconvulsive therapy in severely depressed elderly patients 45

Chapter four The structure of the geriatric depressed brain and response to electroconvulsive therapy 63

Chapter five Exploring resting state connectivity in patients with psychotic depression 89

Chapter six Contribution of white matter hyperintensities, medial temporal lobe atrophy and cortical atrophy on outcome, seven to twelve year after ECT in severely depressed geriatric patients 103

Chapter seven Summary, general conclusions and discussion 115

Chapter eight Dutch summary

Appendix
List of abbreviations 129
References 131
Nederlandstalige samenvatting 137
Dankwoord 143
Curriculum Vitae 149
List of publications 151
Dissertation series 153