CONTENTS

Chapter 1
General introduction 9

Part I – Risk factors & Neurocognitive functioning

Chapter 2
Risk factors for comorbid oppositional defiant disorder in attention-deficit/hyperactivity disorder. 33

Chapter 3
Neurocognitive deficits in attention-deficit/hyperactivity disorder with and without comorbid oppositional defiant disorder. 57

Part II – Brain characteristics

Chapter 4
A systematic review and meta-analysis of neuroimaging in oppositional defiant disorder and conduct disorder, taking attention-deficit/hyperactivity disorder into account. 85

Chapter 5
Structural brain abnormalities of attention-deficit/hyperactivity disorder with oppositional defiant disorder. 139

Chapter 6
The influence of comorbid oppositional defiant disorder on white matter microstructure in attention-deficit/hyperactivity disorder. 183

Chapter 7
Neural correlates of cool and hot executive functioning in attention-deficit/hyperactivity disorder. Investigating the role of comorbid oppositional defiant disorder. 203

Chapter 8
Summary and General discussion 235

Nederlandse samenvatting 255
Dankwoord 281
About the author 289