# Table of Contents

## Section 1 Introduction

1.1 Brief background 7

1.2 Frequently used concepts in this dissertation 9

1.3 Aims and outline of this dissertation 11

1.4 Symptom management and quality of life in glioma patients 13

## Section 2 Towards improving health-related quality of life in glioma patients

2.1 The association between cognitive functioning and health-related quality of life in low-grade glioma patients 17

2.2 Health-related quality of life in stable, long-term survivors of low-grade glioma 19

2.3 The effect of modafinil on fatigue, cognitive functioning and mood in primary brain tumor patients: a multicenter randomized controlled trial 23

2.4 Internet-based guided self-help for glioma patients with depressive symptoms: design of a randomized controlled trial 27

## Section 3 Towards improving health-related quality of life in informal caregivers of glioma patients

3.1 Health-related quality of life of significant others of patients with malignant CNS versus non-CNS tumors: a comparative study 31

3.2 Enhancing quality of life and mastery of informal caregivers of high-grade glioma patients: A randomized controlled trial 33

## Section 4 Summary, general discussion, future perspectives and conclusions

4.1 Summary 35

4.2 Discussion of the main findings 39

4.3 Methodological limitations 43

4.4 Future prospects and conclusions 47

  Summary in Dutch 49

  References 51

  Dankwoord (Acknowledgments) 53

  List of publications 55

  About the author 57

References 59

Dankwoord (Acknowledgments) 63

List of publications 65

About the author 67