CONTENTS

1) General introduction and outline 7

PART I Epilepsy and antitumor treatment 17

2) Seizure outcome after radiotherapy and chemotherapy in glioma patients and its relation with radiological response: a systematic review 19

3) Seizure reduction in a low-grade glioma: more than a beneficial side effect of temozolomide 43

4) Seizure reduction is a prognostic marker in low-grade glioma patients treated with temozolomide 63

5) Withdrawal of antiepileptic drugs in glioma patients after long-term seizure freedom: design of a prospective observational study 83

PART II Epilepsy as a major symptom in the end of life phase 97

6) End of life care in high-grade glioma patients in three European countries: a comparative study 99

7) Symptoms and medication management in the end of life phase of high-grade glioma patients 117

8) Seizures in high-grade glioma patients: a serious challenge in the end of life phase 133

9) Epilepsy in the end of life phase of brain tumor patients: a systematic review 143

10) Antiepileptic drug treatment with buccal clonazepam and intranasal midazolam in the end of life phase of glioma patients: a feasibility study 163

11) Summary, general discussion and future directions 179

12) Appendix 195

Samenvatting 197
Dankwoord 202
List of publications 205
Curriculum vitae 207