

Contents

List of contributors *page viii*

Part I Background

- | | | |
|---|---|----|
| 1 | Introduction
M.R. Trimble and B. Schmitz | 3 |
| 2 | Neuropsychiatric disorders in epilepsy – epidemiology and classification
E.S. Krishnamoorthy | 5 |
| 3 | Limbic connectivity: anatomical substrates of behavioural disturbances in epilepsy
J. Engel Jr, C. Wilson and F. Lopez-Rodriguez | 18 |

Part II Clinical aspects

- | | | |
|---|--|-----|
| 4 | The psychiatry of idiopathic generalized epilepsy
Dieter Janz | 41 |
| 5 | Epilepsy and learning disorders
Cesare Maria Cornaggia and Giuseppe Gobbi | 62 |
| 6 | Subtle cognitive and behavioural effects of epilepsy
Frank M.C. Besag | 70 |
| 7 | Aggression and epilepsy
L. Tebartz van Elst | 81 |
| 8 | Epilepsy and suicide: a neuropsychiatric analysis
Dietrich Blumer | 107 |
| 9 | Postictal psychoses, revisited
Kousuke Kanemoto | 117 |

v

vi Contents

Part III Cognitive aspects

- 10 Dementia and epilepsy 135
Stephen W. Brown
- 11 The risk of cognitive decline in patients with refractory temporal
lobe epilepsy 152
Henric Jokeit and Alois Ebner
- 12 Behavioural and neuropsychological aspects of frontal lobe epilepsy 164
Christoph Helmstaedter

Part IV Nonepileptic attacks

- 13 Epilepsy, dissociation and nonepileptic seizures 189
Richard J. Brown
- 14 Psychobiology of psychogenic pseudoseizures 210
J. Chris Sackellares and D. Kalogjera-Sackellares
- 15 Epilepsy and panic disorder 226
Howard A. Ring and Nuri Gene-Cos

Part V Treatment complications

- 16 The effects of antiepileptic drugs on behaviour 241
Bettina Schmitz
- 17 Antiepileptic drug treatment and epileptic seizures – effects on
cognitive function 256
Albert P. Aldenkamp
- 18 Psychiatric effects of surgery for temporal lobe epilepsy 266
Steffi Koch-Stoecker
- 19 Vagus nerve stimulation and mood 283
Christian E. Elger and Christian Hoppe

Part VI Treatment

- 20 On the use of psychotropic drugs in patients with seizure disorder 299
M.R. Trimble and Anke Hensiek

vii	Contents	
21	The role of psychotherapy in the treatment of epilepsies Martin Schöndienst	313
22	Choosing measures to assess quality of life (QOL) in epilepsy Caroline E. Selai, Katja Elstner and M.R. Trimble	323
	<i>Index</i>	343