

CONTENTS

Contributors xi
Preface xv

I Introduction

- 1 The measurement of outcomes of health care 1
ANTHONY HOPKINS
- 2 Definition and measurement of outcome 14
ANN BOWLING AND CHARLES NORMAND
- 3 Cost-benefit analysis 35
CHARLES NORMAND AND ANN BOWLING
- 4 Imaging of the nervous system 47
B. SCHUKNECHT AND A. VALAVANIS

II Vascular disorders

- 5 Stroke 61
JULIEN BOGOUSLAVSKY, MARC HOMMEL AND CLAUDIO BASSETTI
- 6 Intracranial aneurysms and subarachnoid haemorrhage 93
AKIO MORITA, MICHAEL R. PUUMALA AND FREDRIC B. MEYER
- 7 Cerebral arteriovenous malformations 123
MARK G. HAMILTON AND ROBERT F. SPETZLER
- 8 Spinal vascular malformations 134
EDWARD H. OLDFIELD

III Trauma to the central nervous system

- 9 Head injury 157
J. HSIANG AND L. F. MARSHALL
- 10 Outcomes in spinal cord injuries 181
H. L. FRANKEL

IV Tumours

- 11 Extrinsic lesions of the CNS 195
H. I. SABIN
- 12 Outcome measurements for intrinsic brain and pituitary tumours 219
EDWARD R. LAWS, JR
- 13 Spinal tumours 227
JACQUES BROTCHE

V Degenerative disease

- 14 Multiple sclerosis 239
ALAN J. THOMPSON
- 15 Mechanical disorders of the spine 267
HOWARD L. WEINER AND PAUL R. COOPER
- 16 Degenerative diseases in the CNS 289
DONALD B. CALNE AND W. KOLLER
- 17 Neuromuscular disease 305
W. J. K. CUMMING
- 18 Outcome of polyneuropathies and mononeuropathies 328
L. H. VAN DEN BERG, J. H. J. WOKKE AND F. G. I. JENNEKENS

VI Infections of the central nervous system

- 19 Bacterial meningitis 357
G. URWIN AND R. A. FELDMAN
- 20 Brain abscess 369
R. A. FELDMAN AND G. URWIN
- 21 Viral infections of the nervous system 385
MOHAMMAD K. SHARIEF AND MICHAEL SWASH

VII Epilepsy, coma and other syndromes

- 22 Epilepsy: medical and surgical outcome 407
TERESA A. TRAN, SUSAN S. SPENCER AND DENNIS D. SPENCER
- 23 Post-traumatic syndrome, ‘myalgic encephalomyelitis’
and headaches 441
J. M. S. PEARCE
- 24 Outcome in coma 461
N. E. F. CARTLIDGE
- 25 Syringomyelia 478
BERNARD WILLIAMS

VIII Surgery for movement disorders and pain

- 26 Neurosurgical treatment of pain syndromes *481*
 R. R. TASKER
- 27 Neurosurgical treatment for pain: trigeminal neuralgia *507*
 KIM J. BURCHIEL AND KEVIN R. MOORE
- 28 Neurosurgical treatment for pain: spinal cord stimulation *533*
 ANDREW PARRENT
- 29 Stereotactic surgery for movement disorder *547*
 R. R. TASKER

IX Rehabilitation

- 30 Neuropsychology: recovery after brain lesions *567*
 IAN H. ROBERTSON
- 31 Rehabilitation outcomes in neurological and neurosurgical disease *581*
 DERICK T. WADE

Index 598