

# Contents

Preface . . . . .	IX
Acknowledgements . . . . .	XIII

## *Basic Aspects*

Codd, M. B.; Kurland, L. T. (Rochester, Minn.): Descriptive Epidemiology of Primary Intracranial Neoplasms . . . . .	1
Freshney, R. I.; Frame, M. C.; MacDonald, C. M.; Hart, E.; Shaw, R.; Hassanzadah, M.; Freshney, M. G. (Glasgow): Markers of the Malignant Glial Phenotype . . . . .	12
Nicolson, G. L.; Van Pelt, C.; Irimura, T.; Kawaguchi, T. (Houston, Tex.): Stabilities and Characteristics of Brain Meninges-Colonizing Murine Melanoma Cells . . . . .	17

## *Diagnostic Aspects*

Bydder, G. M. (London): Recent Developments in Magnetic Resonance Imaging of CNS Tumours . . . . .	36
Sikora, K.; Alderson, T.; Chan, S.; Markham, N. (Cambridge): Monoclonal Antibodies and Glioma . . . . .	45
Thomas, D. G. T.; Brooks, D. J.; Beaney, R. P. (London): Positron Emission Tomography in Brain Tumour Imaging . . . . .	50
Coakham, H. B.; Garson, J. A.; Brownell, B. (Bristol); Kemshead, J. T. (London): Diagnosis of Cerebral Neoplasms Using Monoclonal Antibodies . . . . .	57
Begent, R. H. T. (London): Radioimmunolocalisation of Cerebral Tumours . . . . .	78
Goldman, A.; Gordon, I.; Pritchard, J.; Kemshead, J. (London): A Monoclonal Antibody, UJ 13 A, Used for Radioimmunolocalisation of Neuroblastoma in an Animal Model and Patients . . . . .	85

<i>Sharr, M. M.</i> (London): Diagnosis of Spinal Cord and Cauda equina Metastases . . . . .	93
<i>Ongerboer de Visser, B. W.; Zanten, A. P. van; Twijnstra, A.; Nooyen, W. J.; Hart, A. A. M.</i> (Amsterdam): Sensitivity and Specificity of Cerebrospinal Fluid Biochemical Markers of Central Nervous System Metastases . . . . .	105

### *Chemotherapy*

<i>Shapiro, W. R.</i> (New York, N.Y.): Animal Models: Blood-Brain Barrier and Pharmacology . . . . .	116
<i>Darling, J. L.</i> (London): Chemosensitivity Testing in the Treatment of Malignant Gliomas . . . . .	123
<i>Feun, L. G.; Lee, Y. Y.; Wallace, S.; Charnsangavej, C.; Savaraj, N.; Carrasco, C. H.; Gianturco, C.; Yung, W.-K. A.</i> (Houston, Tex.): New Drugs and New Delivery Techniques . . . . .	131
<i>Baldwin, R. W.</i> (Nottingham): Monoclonal Antibodies for Targeting Chemotherapeutic Agents . . . . .	140
<i>Hildebrand, J.</i> (Brussels): Current Status of Chemotherapy of Brain Tumours . . . . .	152
<i>Newlands, E. S.</i> (London): Chemotherapy for Brain Metastases . . . . .	167
<i>Barnett, M. J.; Ganesan, T. S.; Waxman, J. H.; Richards, M. A.; Smith, B. F.; Rohatiner, A. Z. S.; Dhaliwal, H. S.; Slevin, M. L.; Lister, T. A.</i> (London): Neurotoxicity of High-Dose Cytosine Arabinoside . . . . .	177
<i>Yung, W. K. A.; Hwang, Te-Long; Martinez-Prieto, J.; Lee, Y.-Y.; Feun, L. G.</i> (Houston, Tex.): Neurotoxicity of High-Dose Ara-C and Intracarotid Chemotherapy . . . . .	183
<i>Ongerboer de Visser, B. W.; Tiessens, G.</i> (Amsterdam): Polyneuropathy Induced by Cisplatin . . . . .	190
<i>Rohatiner, A. Z. S.; Prior, P.; Burton, A.; Balkwill, F.; Lister, T. A.</i> (London): Central Nervous System Toxicity of Interferon . . . . .	197

### *Radiotherapy*

<i>Ash, D.</i> (Leeds): Radiotherapy for Cerebral Metastases . . . . .	203
<i>Marks, J. E.; Wong, J.</i> (St. Louis, Mo.): The Risk of Cerebral Radionecrosis in Relation to Dose, Time and Fractionation. A Follow-Up Study . . . . .	210

### *Combined and Other Treatments*

<i>Shapiro, W. R.</i> (New York, N.Y.): Combined Modality Treatment of Malignant Glioma . . . . .	219
<i>Siegal, T.; Siegal, T.</i> (Jerusalem/Petah Tikva): Treatment of Malignant Epidural Cord and Cauda equina Compression . . . . .	225
<i>Eys, J. van</i> (Houston, Tex.): Medical and Oncological Management of Pediatric Brain Tumors . . . . .	235

## Contents

## VII

<i>Kemshead, J. T.; Treleaven, J. G.; Gibson, F. M.; Ugelstad, J.; Rembaum, A.; Philip, T.</i> (London/Trondheim/Pasadena, Calif./Lyon): Removal of Malignant Cells from Bone Marrow Using Magnetic Microspheres and Monoclonal Antibodies . . . . .	249
<i>Moser, R. P.</i> (Houston, Tex.): Tumors, Tools, and Technology. The Role of the Neurosurgeon . . . . .	256
Subject Index . . . . .	269