

Contents

IX Series Editor's Note

Lunsford, L.D. (Pittsburgh, PA)

XI Preface

Chernov, M.F., Muragaki, Y. (Tokyo); Kesari, S. (Santa Monica, CA);
McCutcheon, I.E. (Houston, TX)

1 Pathology and Genetics of Gliomas

Komori, T.; Muragaki, Y.; Chernov, M.F. (Tokyo)

38 Fractionated Radiotherapy of Intracranial Gliomas

Ghia, A.J. (Houston, TX)

48 Stereotactic Radiosurgery in the Multimodality Management of Residual or Recurrent Glioblastoma Multiforme

Niranjan, A.; Monaco, E.A. III; Kano, H.; Flickinger, J.C.; Lunsford, L.D. (Pittsburgh, PA)

62 Stereotactic Radiosurgery of Intracranial Low-Grade Gliomas

Ganz, J.C. (Ulverston)

72 Brachytherapy of Intracranial Gliomas

Nachbichler, S.B.; Kreth, F.-W. (Munich)

87 Irradiation of Intracranial Gliomas in Children

Kortmann, R.-D.; Seidel, C.; Müller, K.; Hirsch, F.W. (Leipzig)

102 Role of Radiosensitizers in Radiation Treatment of Gliomas

Cohen, R.J.; Mehta, M.P. (Baltimore, MD)

116 Chemotherapy of High-Grade Astrocytomas in Adults

Puduvalli, V.K.; Hoang, N. (Columbus, OH)

145 Chemotherapy of Diffuse Astrocytoma (WHO grade II) in Adults

Narita, Y. (Tokyo)

152 Chemotherapy of Oligodendrogliomas

Drappatz, J.; Lieberman, F. (Pittsburgh, PA)

162 Chemotherapy of Intracranial Gliomas in Children

Terashima, K. (Tokyo)

168 Perspectives of Personalized Chemotherapy of Gliomas Based on Molecular Tumor Profiling

Soffietti, R.; Franchino, F.; Magistrello, M.; Pellerino, A.; Rudà, R. (Turin)

180 Antiangiogenic Therapy of High-Grade Gliomas

Jo, J.; Wen, P.Y. (Boston, MA)

**200 Search for More Effective Chemotherapeutic Regimens for Gliomas:
Challenges and Hopes**

Hu, J. (Los Angeles, CA); Kesari, S. (Santa Monica, CA)

210 Physical and Psychological Rehabilitation of Patients with Intracranial Glioma

Andrejeva, J. (Klaipeda); Volkova, O.V. (Krasnoyarsk)

229 Palliative and Supportive Care of Patients with Intracranial Glioma

Pace, A.; Villani, V. (Rome)

238 Author Index

239 Subject Index