1. Record Nr. UNINA9910809843803321 Autore **Duffau Hugues Titolo** New insights into functional mapping in cerebral tumor surgery [[electronic resource] /] / Hugues Duffau New York, : Nova Science Publishers, c2009 Pubbl/distr/stampa 1-60741-397-3 **ISBN** Edizione [1st ed.] 1 online resource (105 p.) Descrizione fisica Disciplina 616.99/481059 Soggetti Brain mapping Brain - Tumors - Surgery Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Nota di bibliografia Includes bibliographical references and index. ""NEW INSIGHTS INTO FUNCTIONAL MAPPING IN CEREBRAL TUMOR Nota di contenuto SURGERY""; ""NOTICE TO THE READER""; ""CONTENTS""; ""PREFACE""; ""INTRODUCTION""; ""STUDY OF THE DYNAMIC BIOLOGICAL BEHAVIOR OF THE TUMOR""; ""A NATURAL HISTORY""; ""B - METABOLIC NEURO IMAGING": ""STUDY OF THE DYNAMIC ORGANIZATION OF THE BRAIN"": ""A THE PLASTIC BRAIN""; ""B NEW METHODS OF FUNCTIONAL BRAIN MAPPING""; ""1) Preoperative Neurofunctional Imaging""; ""2) Preoperative Diffusion Tensor Imaging"; ""3) Methods of Intraoperative Functional Brain Mapping"" ""4) Correlations Between Preoperative Neurofunctional Imaging and Intrasurgical Stimulation""""SURGICAL RESULTS""; ""STUDY OF THE DYNAMIC INTERACTIONS BETWEEN THE TUMOR AND THE BRAIN"": ""A BRAIN PLASTICITY INDUCED BY THE TUMOR""; ""1) Preoperative Plasticity""; ""2) Intraoperative Plasticity""; ""3) Postoperative Plasticity""; ""B THE SURGICAL USE OF BRAIN PLASTICITY""; ""1) Resection of Gliomas Involving the SMA""; ""2) Resection of Gliomas Involving the Insular Lobe"": ""3) Resection of Gliomas Involving Broca's Area"" ""4) Resection of Gliomas Involving the Primary Sensorimotor Area of the Face"""5) Resection of Gliomas Involving the (non dominant) Striatum""; ""6) Resection of Gliomas Involving the Corpus Callosum""; ""7) Other Locations""; ""C THE SURGICAL GUIDANCE OF BRAIN

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