



TABLE OF CONTENTS

| | |
|---|------------|
| Chapter 1 | |
| INTRODUCTION AND NORMAL ANATOMY..... | 1 |
| Normal Postinfusion Anatomy | 12 |
| Normal Anatomy | 13 |
| Postinfusion Normal Anatomy | 18 |
| Postsurgical Changes | 20 |
| Chapter 2 | |
| PRIMARY BRAIN TUMORS | 25 |
| Gliomas | 25 |
| Pituitary Tumors | 63 |
| Meningiomas | 77 |
| Acoustic Neurinomas | 98 |
| Posterior Fossa Tumors | 108 |
| Chapter 3 | |
| METASTASES..... | 125 |
| Chapter 4 | |
| VASCULAR DISEASES | 153 |
| Infarcts..... | 153 |
| Spontaneous Intracerebral Hematomas | 172 |
| Aneurysms..... | 191 |
| Arteriovenous Malformations..... | 201 |
| Superior Sagittal Sinus Thrombosis..... | 207 |
| Chapter 5 | |
| POST-TRAUMATIC ABNORMALITIES | 211 |
| Chapter 6 | |
| ACQUIRED ABNORMALITIES | 229 |
| Atrophy..... | 229 |
| Other Acquired Abnormalities..... | 232 |
| Multiple Sclerosis | 234 |

TABLE OF CONTENTS

| | |
|---|------------|
| Chapter 7 | |
| CONGENITAL ABNORMALITIES | 237 |
| Porencephalic Cysts | 240 |
| Other Congenital Abnormalities | 246 |
| | |
| Chapter 8 | |
| ORBITAL SCANNING..... | 253 |
| | |
| Chapter 9 | |
| NEONATAL ULTRASOUND | 267 |
| Normal Examination and Method..... | 267 |
| Hemorrhage..... | 269 |
| Hydrocephalus..... | 272 |
| Subdural Extracerebral Collections | 275 |
| Intraoperative Ultrasound..... | 275 |
| | |
| Chapter 10 | |
| DIGITAL INTRAVENOUS SUBTRACTION ANGIOGRAPHY (DISA) | 277 |
| | |
| Chapter 11 | |
| NUCLEAR MAGNETIC RESONANCE | 285 |
| | |
| INDEX | 289 |

