

Contents

Foreword	ix
Preface	xii
Abbreviations	xiii
Acknowledgments	xv
Contributors	xvii
Chapter 1 Brain	1
Normal Anatomy and Common Variants	1
Congenital Malformations	9
Inherited Metabolic Disorders	18
Acquired Metabolic, Systemic, and Toxic Disorders	23
Hemorrhage	25
Trauma	30
Herniation	33
Infarction	34
Dementia and Degenerative Disease	44
Vasculitis and Vasculitides	46
Vascular Lesions	47
Infection and Inflammation	53
Demyelinating Disease	62
Neoplasms	65
Nonneoplastic Cysts	83
Cerebrospinal Fluid Disorders	86
Chapter 2 Head and Neck	90
Skull Base	90
Temporal Bone	90
Orbit	106
Globe	110
Visual Pathway	112
Paranasal Sinuses, Nasal Cavity, and Face	113
Mandible	124
Temporomandibular Joint	128
Nasopharynx	129
Oral Cavity, Oropharynx	132
Salivary Glands	134
Parapharyngeal Space	135
Larynx	136
Soft Tissues of the Neck	139

Chapter 3 Spine	149
Normal Anatomy, Imaging Technique, and Common Variants	149
Congenital Disease	155
Trauma	166
Degenerative Disease	177
Arteriovascular Disease and Ischemia	199
Infection and Inflammation	201
Neoplasms	208
Index	225