Brief Contents

Preface xxi

About the Authors xxxiii

PARTI

Foundations of Clinical Neuroscience

CHAPTER 1: Emergence of Clinical

Neuroscience 1

CHAPTER 2: Research, Treatment, and

Points of View: Historical

Perspectives 31

PART II

Fundamentals: Establishing

Homeostasis

CHAPTER 3: Macroanatomy and the

Dynamic Brain 63

CHAPTER 4: Microanatomy and

Neurotransmission 95

CHAPTER 5: Neurochemistry and

Psychopharmacology 127

CHAPTER 6: Neurodevelopment Over the

Life Span 158

PART III

Disruptions of Homeostasis: Representative Clinical Disorders **CHAPTER 7:** Traumatic and Chronic Brain

Damage 191

CHAPTER 8: Disorders of Anxiety:

Obsessive-Compulsive Disorder

and Tourette Syndrome 218

CHAPTER 9: Mood Disorders 248

CHAPTER 10: Schizophrenia 290

CHAPTER 11: Drug Addiction 325

PART IV

Maintaining Homeostasis

CHAPTER 12: Stress and Coping 357

CHAPTER 13: Psychoneuroimmunology 391

CHAPTER 14: Eating Regulation and

Associated Disorders 420

EPILOGUE 454

Glossary G-1

References R-1

Name Index N-1

Subject Index S-1