

Contents

Introduction — 1

Chapter 1

The Unusual Approach of Psychiatric Specialist Training in Relationship to All Other Specialist Disciplines — 2

Chapter 2

The Current Inadequacies of Psychiatry as an Evolving Specialty in the Twenty-First Century — 3

Chapter 3

A Brief Overview of the Anatomy of the Brain — 4

Chapter 4

A Detailed Description of the Anatomy of the Limbic System and Its Connections — 5

Chapter 5

Diencephalon — 7

Chapter 6

The Hypothalamus — 8

Chapter 7

The Gross Anatomy of the Brain — 9

Chapter 8

More Comprehensive Discussion of the Neuropathophysiology of the Limbic System — 10

Chapter 9

Cytokines and Other Proinflammatory Agents — 17

Chapter 10

Treatment of the Chronic Inflammatory State of Mood Disorders — 22

Chapter 11

Risks and Complications of TNF-Alpha Inhibitors — 29

Chapter 12

IL-6 and Other Proinflammatory Cytokines and Biochemical Agents Are Involved in the Autoimmune Inflammatory Response — 34

Chapter 13

Nonbiological Therapeutic Options — 37

Chapter 14

Drug Combinations with MTX in Rheumatoid Arthritis — 41

Chapter 15

Crohn's Disease and Ulcerative Colitis — 45

Chapter 16

Description of Multiple Other Immunosuppressive Drugs — 49

Chapter 17

Hydroxychloroquine — 53

Chapter 18

Rituximab — 55

Chapter 19

IL-6 Inhibitors — 58

Chapter 20

Azathioprine — 59

Chapter 21

Cyclophosphamide — 62

Chapter 22

Abatacept — 64

Chapter 23

JAK Inhibitors — 65

Chapter 24

Other Agents — 68

Chapter 25

Chelators — 69

Chapter 26

Glucocorticoids — 70

Chapter 27

The Pathophysiology of Mood Disorders — 76

Chapter 28

The Monoaminergic System — 79

Chapter 29

Biochemical Differences Between Depressed Patients and Healthy Controls — 81

Chapter 30

Subcortical Limbic Brain Regions — 83

Chapter 31

The Hypothalamus and the Impact of Mood Disorders — 84

Chapter 32

The Relevance of Inflammation — 89

Chapter 33

Perinatal and Postpartum Depression — 91

Chapter 34

Radiological Imaging in Mood Disorders — 99

Chapter 35

The Economic Burden of Mood Disorders — 109

Chapter 36

Overview of the Neuropathogenesis of Mood Disorders — 110

Chapter 37

The Mood Disorders — 115

X — Contents

Chapter 38

Psychiatric Specialist Training Time Warp — 119

Chapter 39

Consequences of the Above — 120

Further Reading — 121

Index — 125