

Contents

Preface	v
1. Erythropoiesis	1
2. Hemostasis	11
3. The Spleen	20
4. Regulation of Coronary Blood Flow	26
5. Mechanisms of Increased Cardiac Output and Skeletal Muscle Hyperemia during Exercise	35
6. Blood Pressure Regulation during Exercise	44
7. Exercise Hypopnea	51
8. Enteric Nervous System	56
9. Gastrointestinal Hormones	64
10. Lower Esophageal Sphincter	75
11. Exocrine Pancreas	82
12. Molecular Basis of Smooth Muscle Contraction and Relaxation	92
13. Neuroglia	103
14. Motor and Nonmotor Functions of the Basal Ganglia	112
15. Thermoregulation	122
16. Appetite Regulation and Weight Control	132
17. Sleep-Wakeful Cycles	143
18. Circadian Rhythms	152
19. The Blood-Brain Barrier	162
20. The Executive Functions of Prefrontal Cortex	171
21. Growth Hormone	176

22. Islets of Langerhans	183
23. Vitamin D Hormone (Dihydroxycholecalciferol)	193
24. Endocrine Functions of Bone	202
25. Blood-Testis Barrier	208
26. Kisspeptins	217
27. Parturition	225
28. Prolactin	233
29. Juxtaglomerular Apparatus	241
30. Natriuretic Peptides	252
<i>Index</i>	261