

Content

1. An introduction to biochemistry and cell biology.....	001
2. Biochemical investigations in clinical medicine.....	011
3. Water, sodium and potassium	025
4. Hydrogen ion homeostasis and blood gases.....	055
5. The kidneys.....	077
6. The liver.....	103
7. The gastrointestinal tract.....	125
8. Clinical nutrition.....	139
9. The hypothalamus and the pituitary gland.....	155
10. The adrenal glands	175
11. The thyroid gland	195
12. The gonads.....	211
13. Disorders of carbohydrate metabolism.....	225
14. Calcium, phosphate and magnesium	255
15. Bones and joints	273
16. Plasma proteins and enzymes	285
17. Lipids, lipoproteins and cardiovascular disease.....	303
18. Muscles, nerves and psychiatric disorders.....	325
19. Inherited metabolic diseases.....	335
20. Metabolic aspects of malignant disease	351
21. Therapeutic drug monitoring and chemical aspects of toxicology.....	363
22. Clinical chemistry in children	381
Appendix	
Adult Reference Ranges.....	389
Index.....	391