

# TABLE OF CONTENTS

1. Pathology Laboratory Management
2. Chemical Safety in the Laboratory
3. Light Microscopy
4. Fixation of Tissues
5. The Gross Room
6. Tissue Processing
7. Microtomy
8. Resin Techniques
9. Theory of Histological Staining
10. The Hematoxylin and Eosin
11. Automation in the Histology Department
12. Connective and other Mesenchymal tissues with their stains
13. Carbohydrates
14. Pigments and minerals
15. Amyloid
16. Traditional stains and modern techniques for demonstrating Micro-organisms in Histology
17. Bone

18 Neuropathology and Muscle Biopsy Techniques

19 Immunohistochemical and Immunofluorescent Techniques

20 Molecular Pathology

21 Transmission Electron Microscopy

22 Digital Pathology

## **Appendices**

### **Diagnostic Appendices**

Appendix I Traditional Methods

Appendix II Tissue Microarray

Appendix III Applications of Immunohistochemistry

### **Technical Appendices**

Appendix IV Measurement Units

Appendix V Preparation of Solutions

Appendix VI Buffer Solutions

Appendix VII Solubility of Some Common Reagents and Dyes

## Appendix VIII Mounting Media and Slide Coatings.