

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