

# Contents

|          |  |           |
|----------|--|-----------|
| <b>1</b> | <b>Morphology and Function of Skin Cells</b>   | <b>1</b>  |
| 1.1      | Introduction   | 1         |
| 1.2      | The Cells of the Epidermis   | 1         |
| 1.2.1    | Stratum Basale   | 2         |
| 1.2.2    | Stratum Spinosum   | 2         |
| 1.2.3    | Stratum Granulosum   | 4         |
| 1.2.4    | Stratum Corneum  | 4         |
| 1.3      | The Cells of the Dermis and Adnexa   | 8         |
| 1.4      | The Subcutaneous Tissue or Hypodermis  | 18        |
| 1.5      | The Cells of Inflammation  | 19        |
| 1.5.1    | Red Blood Cells  | 19        |
| 1.5.2    | Neutrophils  | 20        |
| 1.5.3    | Eosinophils  | 25        |
| 1.5.4    | Basophils  | 26        |
| 1.5.5    | Lymphocytes  | 26        |
| 1.5.6    | Plasma Cells   | 27        |
| 1.5.7    | Macrophages  | 29        |
| 1.5.8    | Mast Cells   | 33        |
| 1.6      | The Inflammatory Patterns  | 34        |
| 1.6.1    | Neutrophilic Inflammation  | 34        |
| 1.6.2    | Neutrophilic and Macrophagic (Granulomatous/<br>Pyogranulomatous) Inflammation       | 35        |
| 1.6.3    | Eosinophilic Inflammation  | 38        |
| 1.6.4    | Lymphoplasmacellular Inflammation  | 39        |
| <b>2</b> | <b>Techniques of Sampling, Preparation and Staining<br/>of Cytological Specimens</b> | <b>41</b> |
| 2.1      | Introduction   | 41        |
| 2.2      | Sampling Techniques  | 41        |
| 2.2.1    | Impression Smears  | 42        |

Canine and Feline Skin Cytology  
A Comprehensive and Illustrated Guide to the  
Interpretation of Skin Lesions via Cytological  
Examination

Albanese, F.

2017, XVII, 524 p. 754 illus., 753 illus. in color.,  
Hardcover

ISBN: 978-3-319-41239-9