

# Contents

## Section 1: Basic Dermatology

|                                                                   |           |
|-------------------------------------------------------------------|-----------|
| <b>1. Introduction .....</b>                                      | <b>3</b>  |
| <i>Lalit Kumar Gupta, Paschal D'Souza, Abhay Mani Martin</i>      |           |
| <b>2. Structure and Function of Skin .....</b>                    | <b>5</b>  |
| <i>Aseem Sharma, Sowmya N Dogiparthi, Rachita Dhurat</i>          |           |
| <b>3. Principles of Dermatological Diagnosis (Clinical) .....</b> | <b>17</b> |
| <i>Ashok Kumar Khare, Sharad Mehta, Lalit Kumar Gupta</i>         |           |
| <b>4. Investigations in Dermatological Diseases .....</b>         | <b>34</b> |
| <i>Balachandra S Ankad, Mahajabeen Madarkar</i>                   |           |
| <b>5. Differential Diagnosis in Dermatology .....</b>             | <b>50</b> |
| <i>Ashok B Nagure, Guruprasad KY, Vaishali Masatkar</i>           |           |

## Section 2: Cutaneous Infections and Infestation including Leprosy and STIs

|                                                                                     |            |
|-------------------------------------------------------------------------------------|------------|
| <b>6. Bacterial Infections.....</b>                                                 | <b>61</b>  |
| <i>Swagata Tambe, Chitra Nayak</i>                                                  |            |
| <b>7. Fungal Infections.....</b>                                                    | <b>79</b>  |
| <i>Shital Poojary, Saurabh Jaiswal</i>                                              |            |
| <b>8. Viral Infections .....</b>                                                    | <b>95</b>  |
| <i>Kavita Bisherwal, Archana Singal</i>                                             |            |
| <b>9. Parasitic Skin Diseases, Diseases Caused by Arthropod .....</b>               | <b>113</b> |
| <i>Ishmeet Kaur, Paschal D'Souza, Sanjay K Rathi</i>                                |            |
| <b>10. Cutaneous Tuberculosis .....</b>                                             | <b>128</b> |
| <i>M Ramam</i>                                                                      |            |
| <b>11. Leprosy .....</b>                                                            | <b>135</b> |
| <i>P Narsimha Rao, Santosh Rathod</i>                                               |            |
| <b>12. Sexually Transmitted Infections .....</b>                                    | <b>155</b> |
| <i>Bindu V</i>                                                                      |            |
| <b>13. Human Immunodeficiency Virus and Acquired Immunodeficiency Syndrome.....</b> | <b>177</b> |
| <i>YS Marfatia, Smriti Naswa, Ruchi Shah</i>                                        |            |

## Section 3: Allergic, Inflammatory and Immunological Diseases

|                                                                |            |
|----------------------------------------------------------------|------------|
| <b>14. Urticaria, Angioedema, and Reactive Erythemas .....</b> | <b>199</b> |
| <i>Kiran Godse, Anant Patil</i>                                |            |

|                                                                   |            |
|-------------------------------------------------------------------|------------|
| <b>15. Psoriasis .....</b>                                        | <b>208</b> |
| <i>Sunil Dogra, Tarun Narang</i>                                  |            |
| <b>16. Lichen Planus and other Papulosquamous Disorders .....</b> | <b>220</b> |
| <i>Rochelle C Monteiro, Ramesh M Bhat</i>                         |            |
| <b>17. Eczema and Dermatitis .....</b>                            | <b>230</b> |
| <i>Sandipan Dhar, Sahana M Srinivas</i>                           |            |
| <b>18. Photosensitive Disorders .....</b>                         | <b>241</b> |
| <i>Sathish Pai B, Sudhir Nayak UK</i>                             |            |
| <b>19. Vesiculobullous Disorders .....</b>                        | <b>253</b> |
| <i>Raghavendra Rao, Varsha M Shetty</i>                           |            |

#### Section 4: Skin in Genetic, Metabolic, Nutritional and Systemic Diseases

|                                                                   |            |
|-------------------------------------------------------------------|------------|
| <b>20. Genodermatoses .....</b>                                   | <b>265</b> |
| <i>Arun C Inamadar, Keshavmurthy A Adya</i>                       |            |
| <b>21. Metabolic Disorders of Skin .....</b>                      | <b>277</b> |
| <i>Malathi Munisamy, Devinder Mohan Thappa</i>                    |            |
| <b>22. Nutritional Dermatoses .....</b>                           | <b>285</b> |
| <i>Manjunath Shenoy M, Spandana P Hegde</i>                       |            |
| <b>23. Connective Tissue Disorders .....</b>                      | <b>299</b> |
| <i>Deepika Pandhi, Anita Kulhari</i>                              |            |
| <b>24. Skin Signs in Internal Diseases and Malignancies .....</b> | <b>321</b> |
| <i>Abhay Mani Martin, Deepthi NS, Anisha Janardhanan</i>          |            |

#### Section 5: Pigmentary Diseases of the Skin

|                                                                   |            |
|-------------------------------------------------------------------|------------|
| <b>25. Vitiligo and Other Hypopigmentary Skin Disorders .....</b> | <b>341</b> |
| <i>Binod K Khaitan, Neha Taneja</i>                               |            |
| <b>26. Disorders of Hyperpigmentation .....</b>                   | <b>353</b> |
| <i>Nirmal B</i>                                                   |            |

#### Section 6: Disorders Affecting Skin Appendages and Mucosae

|                                                                     |            |
|---------------------------------------------------------------------|------------|
| <b>27. Acne and Rosacea .....</b>                                   | <b>365</b> |
| <i>Sanjeev Handa, Anuradha Bishnoi</i>                              |            |
| <b>28. Disorders of Hair and Nails .....</b>                        | <b>375</b> |
| <i>Chander Grover, Deepak Jakhar</i>                                |            |
| <b>29. Disorders of the Eccrine and Apocrine Sweat Glands .....</b> | <b>390</b> |
| <i>Laxmi V Nair</i>                                                 |            |
| <b>30. Dermatitis Affecting Mucosa .....</b>                        | <b>399</b> |
| <i>KA Seetharam, Satya Saka</i>                                     |            |

## Section 7: Skin Malformations and Tumors

- 31. Nevus, Hamartoma and Benign Skin Tumors ..... 411**  
*Feroze Kaliyadan, KT Ashique*
- 32. Malignant Skin Tumors ..... 423**  
*Iffat Hassan, Peerzada Sajad*

## Section 8: Miscellaneous Diseases

- 33. Pruritus ..... 433**  
*Asit Mittal, Kapil Vyas*
- 34. Cutaneous Adverse Drug Reactions ..... 441**  
*Lalit Kumar Gupta, Manisha Balai*
- 35. Cutaneous Adverse Drug Reactions to Topical Agents ..... 453**  
*Sudip Das, Abhishek De*
- 36. Dermatological Emergencies ..... 459**  
*Bela Shah, Kriteeka Saini*
- 37. Disease of Vascular System, Vasculitis and Leg Ulcers ..... 473**  
*Reena Rai, Nithya S*
- 38. Dermatoses in Special Group: Pediatric, Geriatric, and Pregnancy ..... 486**  
*Vibhu Mendiratta, Meenu Malik*

## Section 9: Dermatological Therapy

- 39. Basic Principles of Topical Dermatotherapy ..... 503**  
*Umashankar Nagaraju, Belliappa Pemmanda Raju*
- 40. Systemic Therapy ..... 515**  
*Sarita Sasidharanpillai*
- 41. Dermatological Procedures ..... 535**  
*Salim Thurakkal, Laila Achampat, Anjali Ullas*
- 42. Cosmetic and Aesthetic Procedures in Dermatology ..... 551**  
*Vishalakshi Viswanath, Vrushali Survade*
- Index ..... 565**