Contents

Section 1 Basics of Dermoscopy
Subrata Malakar

Chapter 1. Introduction to Dermoscopy 3
Biju Vasudevan, Shekhar Neema
How Does a Dermoscope Work? *3*
Principles of Dermoscopy *4*
Basis of Dermoscopic Study *4*
Uses and Advantages of Dermoscopy *5*
Limitations of the Dermoscope *5*

Chapter 2. Types of Dermoscope 7
Shekhar Neema, Manas Chatterjee
Polarizing vs Nonpolarizing Dermoscope *7*
Handheld Dermoscope or Video Dermoscope *7*
Dermlite Dermoscopes *7*
Heine Dermoscopes *8*
Other Handheld and Video Dermoscopes *8*
Which One to Buy? *8*
How to Click Best Dermoscopic Images: Tips and Tricks *9*
How to Archive Dermoscopic Images *9*

Chapter 3. Basic Patterns on Dermoscopy 12
Purva Mehta, Subrata Malakar, Barnali Chowdhury, Protibha Pradhan
Vascular Patterns 12
Vascular Patterns *12*
Melanocytic Patterns 20
Colors *20*
Pigmented Network *20*
Parallel Patterns or Acral Patterns *20*
Dots and Globules *20*
Cobblestone Morphology *21*
Starburst Pattern *21*
Homogenous Blue Pigmentation *21*
Warning Signals of Melanoma *21*

Section 2 Disorders of Pigmentation
Manas Chatterjee

Chapter 4. Melasma 25
Shekhar Neema, Manas Chatterjee
Melasma *25*

Chapter 5. Nonmelasma Facial Melanoses 27
Shekhar Neema, Manas Chatterjee
Lichen Planus Pigmentosus *27*
Pigmented Contact Dermatitis or Riehl-like Melanosis *28*

Erythema Dyschromicum Perstans or Ashy Dermatoses *29*
Maturational Dyschromia or Maturational Hyperpigmentation *29*
Acanthosis Nigricans *30*
Pigmentary Demarcation Line *30*

Chapter 6. Other Disorders of Hyperpigmentation **31**
Shekhar Neema
Primary Cutaneous Amyloidosis *31*
Acanthosis Nigricans *32*
Dowling-Degos Disease *32*
Acropigmentation of Kitamura *33*
Fixed Drug Eruption *33*

Chapter 7. Vitiligo and Other Disorders of Hypopigmentation **35**
Shekhar Neema, Niti Khunger
Vitiligo *35*
Differentiating Vitiligo from Idiopathic Guttate Hypomelanoses *36*

Chapter 8. Differentiation of Nevus Depigmentosus, Ash Leaf Macules and Nevus Anemicus **39**
Surit Malakar, Samipa Mukherjee
Normal Pigmentary Pattern on Skin *39*

Section 3 Papulosquamous Disorders
Shekhar Neema

Chapter 9. Papulosquamous Disorders **45**
Shekhar Neema
Psoriasis *45*
Lichen Planus *49*
Pityriasis Rosea and Pityriasis Rubra Pilaris *51*

Section 4 Infectious Disorders
Manas Chatterjee

Chapter 10. Infectious Disorders **55**
Shekhar Neema, Manas Chatterjee
Scabies *55*
Pediculosis *55*
Viral Infection *56*
Fungal Infections *56*

Section 5 Autoimmune and Granulomatous Disorders
Subrata Malakar

Chapter 11. Autoimmune Diseases **63**
Rahul Arora, Shekhar Neema
Discoid Lupus Erythematosus *63*
Lichen Sclerosus Et Atrophicus *64*
Morphea *65*
Systemic Sclerosis *65*

Chapter 12. Dermoscopy of Granulomatous Disorders **67**
Uday Khopkar, Shubhangi Mahajan
Lupus Vulgaris *67*
Tuberculosis Verrucosa Cutis *67*
Post-kala-azar Dermal Leishmaniasis *68*
Borderline Lepromatous Hansen's Disease *68*

Section 6 Skin Tumors

Subrata Malakar

Chapter 13. Benign and Premalignant Tumors of Skin **75**
Subrata Malakar
Dermatofibroma *75*
Angiokeratoma *76*
Bowen's Disease *77*
Keratoacanthoma *77*
Seborrheic Keratosis *78*
Sebaceous Hyperplasia *79*

Chapter 14. Dermoscopy of Malignant Cutaneous Tumors **81**
Lakshmisha Chandrashekhar, Biswanath Behera
Dermoscopy of Basal Cell Carcinoma *81*
Dermoscopy of Squamous Cell Carcinoma and Keratoacanthoma *82*
Dermoscopy of Malignant Melanoma *82*
Dermoscopy of Bowen's Disease *84*
Dermoscopy of Actinic Keratosis *84*

Section 7 Onychoscopy

Nirmal B

Chapter 15. Onychoscopy **89**
Nirmal B
Relevant Anatomy of Nail Unit *89*
Indications of Onychoscopy in Dermatology *89*
Subungual Hematoma *90*
Pseudomonas Superinfection *90*
Onychomycosis *90*
Psoriasis *90*
Nail Melanonychia *90*
Nailfold Capillaroscopy *90*

Section 8 Trichoscopy

BS Chandrashekhar

Chapter 16. Trichoscopy **97**
BS Chandrashekhar, Samipa S Mukherjee
Normal Scalp 97
Hair *97*
Interfollicular Space *97*
Pigmentary Pattern *97*
Vascular Pattern *98*
Scales *99*
Trichoscopy of Nonscarring Alopecias 100
Patterned Hair Loss *100*
Alopecia Areata *100*
Alopecia Areata Incognito *102*
Telogen Effluvium: Acute and Chronic *104*
Trichotillomania *104*
Nutritional Deficiency *105*
Congenital Atrichia with Papular Eruption *106*
Congenital Triangular Alopecia *106*

Trichoscopy of Scarring Alopecias 108
Lichen Planopilaris *108*
Frontal Fibrosing Alopecia *108*
Discoid Lupus Erythematosus *108*
Tractional Alopecia *111*
Folliculitis Decalvans *112*
Pseudopelade of Brocq *112*
Trichoscopy of Scaly Scalp Conditions 113
Seborrhea Capitis or Pityriasis Sicca *113*
Scalp Psoriasis *114*
Seborrheic Dermatitis *114*
Pityriasis Amiantacea *114*
Scale Mimickers: Hair Color Residue and Nits *114*
Tinea Capitis 117
Classification *117*

Section 9 Miscellaneous
Shekhar Neema

Chapter 17. Disorder of Vessels **121**
Shekhar Neema
Vascular Anomalies (Malformations and Hemangioma) *121*
Pyogenic Granuloma *122*
Lymphangioma Circumscriptum *124*
Vasculitis, Venous Disorders and Pigmented Purpuric Dermatoses *124*

Chapter 18. Dermoscopy in Nevoid Disorders **127**
Nilendu Sarma, Balachandran Ankad
Nevus Depigmentosus *127*
Congenital Melanocytic Nevus *128*
Nevus Spilus *129*
Becker's Nevus *130*
Nevus Sebaceous *131*
Epidermal Nevi *132*
Shagreen Patch *132*

Chapter 19. Dermoscopy of Miscellaneous Disorders **134**
Sukesh MS
Phrynoderma *134*
Keratosis Pilaris *134*
Trichostasis Spinulosa *137*
Follicular Lichen Planus *138*
Follicular Eczema *139*
Sebaceous Hyperplasia *141*
Rosacea *141*
Human Papillomavirus Infections *142*
Porokeratosis *142*
Arsenic Keratosis *143*
Terra Firma-Forme Dermatosis *143*

Index ***147***