

1 FUNDAMENTAL DERMATOLOGY AND TERMINOLOGY

Introduction	1
Basic structure of the skin	1
Terminology of skin lesions	3
Pathologic terminology in relation to the skin	8

2 APPROACH TO THE PATIENT

Introduction	11
History	11
Examination of the skin	17
Laboratory and interventional tests	20
Regional dermatology and sites of predilection	22

3 TOPICAL THERAPY

Introduction and general principles	27
Emollients	28
Topical steroids	29
Topical retinoids	30
Topical antimicrobial agents and antibiotics	31
Infestations	31
Calcineurin inhibitors	31
Antineoplastic agents	32
Other agents and topical interventions	32
Topical agents discussed in more detail in other chapters	34

4 SYSTEMIC THERAPIES

Introduction	35
Antibiotics	35
Antifungal agents	36
Antiviral drugs	37
Antihistamines	38
Hormones and antiandrogens	38
Retinoids	38
Psoralens	39
Corticosteroids	39
Other immunomodulatory, immunosuppressive, and cytotoxic therapies	40

5 PHYSICAL THERAPIES AND SKIN SURGERY

Introduction	47
Cryotherapy	47
Surgical treatments	47
Photodynamic therapy	53
Lasers	53
Cosmetic interventions	56
Iontophoresis	57
Radiotherapy	57
Phototherapy	57

6 ECZEMA AND RELATED DISORDERS

Introduction	61
Atopic dermatitis	62
Eczema herpeticum	70
Other eczemas	71
Contact dermatitis	76
Seborrheic dermatitis	88
Infantile seborrheic dermatitis	90
Related conditions	91

7 PSORIASIS AND RELATED DISORDERS

Psoriasis	93
Reiter syndrome, keratoderma blennorrhagicum, and circinate balanitis	109
Pityriasis rubra pilaris	111
Treatment of psoriasis and related disorders	112
Palmoplantar keratodermas	117

8 LICHEN PLANUS AND LICHENOID DISORDERS

The lichenoid eruption	119
Lichen planus	119
Oral lichen planus and the oral lichenoid eruption	127
Other lichenoid conditions	129

9 URTICARIA AND PRURITUS

Introduction	135
Urticaria and related disorders	135
Pruritus and related disorders	144

10 ACNE, ROSACEA AND RELATED DISORDERS

Introduction	153
Acne and related conditions	153
Rosacea and related conditions	163
Follicular occlusion triad	169
Miscellaneous	171

11 CELLULAR AND METABOLIC CUTANEOUS INFILTRATES

Introduction	175
Eosinophilic tissue reactions	175
Benign lymphocytic infiltrates	177
Granulomatous reactions	182
Mastocytosis	190
Mucinoses	193
Amyloidoses	197
Xanthomas	199
Langerhans cell histiocytosis and other histiocytoses	202
Other metabolic infiltrates and deposits	203

12 CUTANEOUS SIGNS ASSOCIATED WITH DISEASE OF INTERNAL ORGAN SYSTEMS AND DERMATOSES OF PREGNANCY

Introduction	207
Skin signs of thyroid disease	207
Skin signs of diabetes	208
Disorders of pituitary and adrenal function	213
Other disorders of the endocrine system	214
Dermatoses associated with gastrointestinal, hepatobiliary, and nutritional disease	215
Skin signs of renal disease and of organ transplantation	221
Skin signs of hematologic disease	223
Flushing	225
Signs of internal malignancy, and paraneoplastic syndromes	226
Cutaneous signs of HIV infection	230
Cutaneous eruptions of pregnancy or menstruation	234

13 COLLAGEN VASCULAR DISEASES

Introduction	239
Raynaud phenomenon	239
Lupus erythematosus	240
Sclerodermas	250
Interstitial granulomatous dermatitis	257
Rheumatoid arthritis	258
Dermatomyositis	258
Relapsing polychondritis	262
Sjögren syndrome	263

14 PURPURA, VASCULITIS, NEUTROPHILIC DERMATOSES AND RELATED DISORDERS

Introduction	265
Purpura	265
Vasculitis	267
Approach to vasculitis	269
Lymphocytic vasculitis	271
Cutaneous small-vessel vasculitis (CSVV, leukocytoclastic vasculitis)	272
Specific types of small-vessel vasculitis	274
Intravascular occlusive causes of vasculitis-like lesions	276

Medium- and large-vessel vasculitis	281
Neutrophilic dermatoses	285

15 VASCULAR DISORDERS

Introduction	291
Classification of vascular anomalies and tumors	291
Vascular malformations	292
Venous malformations	295
Angiomas and tumors	297
Telangiectases	304
Angiokeratomas	307
Heat- and cold-induced lesions	309
Arterial disease	310
Venous disease	311
Lymphatic disease	314
Vascular steal	316
Radiation therapy	317

16 BLISTERING DISORDERS

Introduction	319
Approach to blistering eruptions	319
Mechanical and physical causes of blistering	319
Infective causes of blistering	321
Inflammatory causes of blistering	322
Immunobullous disorders	324

17 PHOTODERMATOLOGY AND PHOTODERMATOSES

Basic photobiology	341
Adverse effects of UV radiation	343
Approach to a patient who has apparent photosensitivity	344
Genodermatoses with photosensitivity	349
Idiopathic photodermatoses	350
Photosensitivity due to drugs and external agents	353
Dermatoses that may be aggravated by sunlight	360
Phototherapy and photochemotherapy	360

18 DRUG ERUPTIONS

Introduction to drug eruptions	363
Patterns of drug eruption	367

19 PEDIATRIC DERMATOLOGY

Introduction	387
Congenital lesions	387
Newborn and infantile conditions	393
Groin and diaper area	396
Genodermatoses	400
Ichthyoses and generalized hyperkeratosis	412
Miscellaneous	415

20 ORAL AND GENITAL DISORDERS

Introduction	423
Oral mucosa	424
Lips	428
Gums	433
Tongue	433
Teeth	433

Sexually transmitted diseases	435
Penis	442
Vulva	445
Scrotum	448
Perianal disease	449

21 PIGMENTARY DISORDERS

Introduction	451
Hypopigmentation	451
Hyperpigmentation	457
Pigmentary conditions that are normal or common in darker-skinned patients	461
Other conditions that are common in darker-skinned patients	464

22 STRUCTURAL DISORDERS OF THE SKIN AND DISEASE OF SUBCUTANEOUS TISSUES

Introduction	469
Epidermal disorders	469
Structural disorders of the dermis, collagen, and elastic tissues	469
Disorders of the fat and subcutaneous tissues	480
Disorders of the fascia	485

23 DISORDERS AND TUMORS OF SKIN APPENDAGES

Introduction	487
Functional disorders and dermatoses of skin appendages	487
Benign skin appendage neoplasms	492
Malignant skin appendage neoplasms	500

24 BACTERIAL INFECTIONS

Introduction	503
Gram-positive infections	503
Gram-negative infections	515
Mycobacterial infections	519
<i>Borrelia</i> infections	521

25 VIRAL INFECTIONS

Introduction	525
Exanthems and related conditions	525
Other childhood viruses	530
Adult	539

26 FUNGAL INFECTIONS

Introduction	547
<i>Malassezia (Pityrosporum)</i> infections	547
Dermatophyte (ringworm) infections	550
Candidiasis (candidosis)	560
Others	563

27 INFESTATIONS AND TROPICAL DISORDERS

Introduction	565
Infestations	565
Delusions of parasitosis	572

Bites and stings	573
Tropical infections	578

28 DISORDERS OF HAIR

Introduction	583
Increased hair	583
General approach to alopecia	585
Diffuse and 'patterned' alopecias	587
Alopecia areata	589
Localized and scarring alopecias	592
Structural abnormalities of the hair shaft	597
Miscellaneous disorders of the hair	599

29 DISORDERS OF NAILS

Introduction	603
Nail infections and predisposing factors	603
Nail changes secondary to trauma	608
Nail changes associated with dermatoses, syndromes, or systemic disease	609
Neoplasms	612
Pigmentation	614
Miscellaneous	616

30 BENIGN NON-MELANOCYTIC TUMORS

Introduction	623
Epidermal lesions: hyperkeratoses	623
Epidermal lesions: acanthotic lesions	624
Dermal lesions	632
Cartilage disorders	638

31 MELANOCYTES, NEVI AND MELANOMA

Introduction	641
Nevi	641
Melanoma	651
Freckles and lentigines	660
Dermal melanocytoses (blue lesions)	662

32 MALIGNANT AND PREMALIGNANT EPIDERMAL NEOPLASIA

Introduction	667
Premalignant lesions	667
Malignant epidermal tumors	674

33 LYMPHOMAS, METASTASES AND OTHER MALIGNANT TUMORS

Overview	689
Cutaneous lymphomas, mycosis fungoides, and premycotic eruptions	689
Sarcomas affecting the skin	699
Cutaneous metastases	701
Paget disease	703
Merkel cell carcinoma (primary cutaneous neuroendocrine carcinoma)	705

INDEX