

Acquired Immunodeficiency Syndrome (Potentially Cutaneous AIDS-Defining Illnesses)

- Coccidioidomycosis
- Cytomegalovirus infection
- Herpes simplex viral infection of 1-month duration
- Histoplasmosis
- Kaposi's sarcoma
- *Mycobacterium avium* complex infection
- *Mycobacterium kansasii* infection
- *Mycobacterium tuberculosis* infection

Further reading::

- Rosenberg JD, Scheinfeld NS (2003) Cutaneous histoplasmosis in patients with acquired immunodeficiency syndrome. *Cutis* 72(6):439–445

Acromegaly

- Acanthosis nigricans
- Coarse facial features
- Cutis verticis gyrata
- Hyperhidrosis
- Fibromas
- Hyperpigmentation
- Hypertrichosis

- Macroglossia
- Thickened nails
- Thickened skin

Further reading:

- Ben-Shlomo A, Melmed S (2006) Skin manifestations in acromegaly. *Clin Dermatol* 24(4):256–259

Addison's Disease

- Alopecia areata
- Chronic mucocutaneous candidiasis
- Diffuse hyperpigmentation
- Lichen sclerosus
- Vitiligo

Further reading:

- Nieman LK, Chanco Turner ML (2006) Addison's disease. *Clin Dermatol* 24(4):276–280

AL Amyloidosis

- Alopecia
- Bullous lesions
- Cutis laxa
- Cutis verticis gyrata-like scalp changes
- Macroglossia
- Nail dystrophy
- Peripheral edema
- Pigmentary change
- Purpura (periorificial)
- Sclerodermoid changes
- Waxy papules and nodules

Further reading:

- Silverstein SR (2005) Primary, systemic amyloidosis and the dermatologist: where classic skin lesions may provide the clue for early diagnosis. *Dermatol Online J* 11(1):5

Alcoholism

- Acquired zinc deficiency
- Erythroderma
- Flushing
- Gout
- Leukoplakia
- Madelung's disease
- Palmar erythema
- Pancreatic panniculitis
- Pellagra
- Porphyria cutanea tarda
- Psoriasis
- Riboflavin deficiency
- Rosacea
- Scurvy
- Spider angiomas

Further reading:

- Kostovic K, Lipozencic J (2004) Skin diseases in alcoholics. *Acta Dermatovenerol Croat* 12(3):181–190

Aquatic Activity, Recent

- *Aeromonas* infection
- Coral dermatitis
- Erysipeloid
- Jellyfish sting
- *Mycobacterium marinum* infection

- Protothecosis
- *Pseudomonas* folliculitis
- Seabather's eruption
- Sea urchin dermatitis
- *Streptococcus iniae* infection
- Swimmer's itch
- *Vibrio vulnificus* infection

Further reading:

- Burroughs R, Kerr L, Zimmerman B, Elston DM (2005) Aquatic antagonists: sea urchin dermatitis. *Cutis* 76(1):18–20

Athlete

- Acne mechanica
- Calluses
- Chafing
- Erythrasma
- Exercise-induced anaphylaxis
- Folliculitis
- Friction blister
- Frostbite
- Furunculosis
- Herpes gladiatorum
- Impetigo
- Jogger's nipples
- Molluscum contagiosum
- Otitis externa
- Pitted keratolysis
- Subungual hematoma
- Sunburn
- Talon noir
- Tinea gladiatorum
- Tinea cruris
- Tinea pedis

Further reading:

- Mailler-Savage EA, Adams BB (2006) Skin manifestations of running. *J Am Acad Dermatol* 55(2):290–301

Bone Pain

- Langerhans cell histiocytosis
- Leukemia
- Lymphoma
- Mastocytosis
- Metastatic disease
- Muckle–Wells syndrome
- Myeloma
- Schnitzler syndrome
- Scurvy
- Sick cell disease
- Syphilis
- Tuberculosis

Further reading:

- de Koning HD, Bodar EJ, van der Meer JW et al (2007) Schnitzler syndrome. Beyond the case reports: review and follow-up of 94 patients with an emphasis on prognosis and treatment. *Semin Arthritis Rheum* 37(3):137–148

Cardiovascular Disease

- Behçet's disease
- Carcinoid syndrome
- Cardiofaciocutaneous syndrome
- Carney's complex
- Carvajal syndrome
- Chagas disease
- Cutis laxa
- Dermatomyositis

- Diabetes mellitus
- Ehlers–Danlos syndrome
- Endocarditis
- Exfoliative erythroderma
- Fabry's disease
- Hemochromatosis
- Homocystinuria
- Hyperlipidemia
- Kawasaki disease
- LEOPARD syndrome
- Lyme disease
- Marfan syndrome
- Multicentric reticulohistiocytosis
- Naxos syndrome
- Neonatal lupus erythematosus
- Neurofibromatosis 1
- Noonan's syndrome
- Primary systemic amyloidosis
- Pseudoxanthoma elasticum
- Relapsing polychondritis
- Rheumatic fever
- Sarcoidosis
- Scleroderma
- Systemic lupus erythematosus
- Syphilis
- Takayasu's arteritis
- Tuberous sclerosis
- Werner's syndrome

Further reading:

- Abdelmalek NF, Gerber TL, Menter A (2002) Cardiocutaneous syndromes and associations. *J Am Acad Dermatol* 46(2):161–183

Cataracts

- Atopic dermatitis (Andogsky syndrome)
- Behçet's disease
- Cockayne's syndrome
- Diabetes mellitus
- Down syndrome
- Dyskeratosis congenita
- Ectodermal dysplasias
- Epidermal nevus syndrome
- Fabry's disease
- Hallermann–Streiff syndrome
- Incontinentia pigmenti
- Neurofibromatosis, type II
- Neutral lipid storage disease
- Psoralen therapy
- Rheumatoid arthritis
- Refsum's disease
- Rothmund–Thomson syndrome
- Sarcoidosis
- Steroids
- Stickler syndrome
- Syphilis
- Vogt–Koyanagi–Harada syndrome
- Werner's disease
- Wilson's disease
- X-linked ichthyosis
- X-linked-dominant chondrodysplasia punctata

Further reading:

- Freiman A, Ting PT, Barankin B, Stanciu M, Rudnisky C (2006) Ophthalmologic manifestations of cutaneous conditions. *Ophthalmologica* 220(5):281–240

Chemotherapy

- Acneiform eruption
- Acral erythema
- Acral sclerosis
- Anagen effluvium
- Atrophic skin
- Atrophic nails
- Flag sign
- Folliculitis
- Inflamed seborrheic keratoses
- Inflamed actinic keratoses
- Injection site reactions
- Metastatic disease
- Neutrophilic eccrine hidradenitis
- Photosensitivity
- Pruritus
- Radiation enhancement
- Radiation recall
- Raynaud's phenomenon
- Hyperpigmentation
- Stomatitis
- Syringosquamous metaplasia
- Worsening of psoriasis

Further reading:

- Lacouture M et al (2011) Adverse skin reactions to chemotherapeutic agents. *Dermatol Ther* 24(4):385–442

Cirrhosis (Including Primary Biliary Cirrhosis)

- Caput medusa
- Cirroid aneurysms
- Gynecomastia
- Hyperpigmentation (PBC)

- Jaundice
- Muehrcke's lines
- Palmar erythema
- Pruritus
- Purpura and ecchymoses (Vitamin K deficiency)
- Scleroderma/morphea (PBC)
- Sparse hair
- Spider angiomas
- Terry's nails
- Xanthomas (PBC)

Further reading:

- Koulentaki M, Ioannidou D, Stefanidou M et al (2006) Dermatological manifestations in primary biliary cirrhosis (PBC) patients: a case control study. *Am J Gastroenterol* 101(3):541–546

Cleft Lip and/or Palate

- 4p syndrome
- Hay–Wells syndrome
- Beare–Stevenson cutis gyrata syndrome
- Branchio-oculo-facial syndrome
- Cleft lip/palate – ectodermal dysplasia syndrome
- Dermal melanocytosis
- EEC syndrome
- Encephalocele
- Nasal glioma
- Nail–patella syndrome
- Nevoid basal cell carcinoma syndrome
- Oculocerebrocutaneous syndrome
- Oral–facial–digital syndrome
- Popliteal pterygium syndrome
- Rapp–Hodgkin syndrome
- Robert syndrome
- Van der Woude syndrome

- Waardenburg syndrome, type 1 or 3
- Wolf–Hirschhorn syndrome

Further reading:

- Steele JA, Hansen H, Arn P, Kwong PC (2005) Spectrum of phenotypic manifestations from a single point mutation of the p63 gene, including new cutaneous and immunologic findings. *Pediatr Dermatol* 22(5):415–419

Cold Induced or Cold Exacerbated

- Acrocyanosis
- Asteatotic eczema
- Atopic dermatitis
- Chilblains lupus erythematosus
- Cold panniculitis
- Cold urticaria
- Cold-water foot immersion
- Cryofibrinogenemia
- Cryoglobulinemia
- Cutis marmorata
- Erythrokeratolysis hiemalis
- Familial cold autoinflammatory syndrome
- Frostbite
- Glomus tumor
- Leiomyoma
- Livedo reticularis
- Perniosis
- Raynaud's phenomenon
- Sclerema neonatorum
- Subcutaneous fat necrosis of the newborn

Further reading:

- Aksentijevich ID, Putnam C, Remmers EF et al (2007) The clinical continuum of cryopyrinopathies: novel CIAS1 mutations in North American patients and a new cryopyrin model. *Arthritis Rheum* 56(4):1273–1285

Cushing's Disease

- Acne
- Candidiasis
- Dermatophytosis
- Facial fullness
- Hirsutism
- Lipoatrophy (arms and legs)
- Lipohypertrophy (especially upper back, abdomen)
- Poor wound healing
- Purpura
- Skin fragility
- Striae distensae
- Tinea versicolor

Further reading:

- Jabbour SA (2003) Cutaneous manifestations of endocrine disorders: a guide for dermatologists. *Am J Clin Dermatol* 4(5):315–331

Cystic Fibrosis

- Acrodermatitis enteropathica
- Aquagenic wrinkling of the palms and soles
- Clubbing
- Cutaneous vasculitis
- Essential fatty acid deficiency
- Kwashiorkor-like eruption
- Phrynoderma
- Xerosis

Further reading:

- Katz KA, Yan AC, Turner ML (2005) Aquagenic wrinkling of the palms in patients with cystic fibrosis homozygous for the delta F508 CFTR mutation. *Arch Dermatol* 141(5):621–624

Deafness

- Albinism
- Alezzandrini syndrome
- Alport's syndrome
- Alstrom syndrome
- Bart–Pumphrey syndrome
- Bjornstad's syndrome
- Branchio-oto-renal syndrome
- Cockayne's syndrome
- Congenital rubella
- Congenital syphilis
- Crandall's syndrome
- DOOR syndrome
- Ectodermal dysplasias
- Goldenhar syndrome
- HID syndrome
- Hypomelanosis of Ito
- Johansson–Blizzard
- Johnson–McMillan syndrome
- Keratosis follicularis spinulosa decalvans
- KID syndrome
- LEOPARD syndrome
- Muckle–Wells syndrome
- Neutral lipid storage disease
- NOMID syndrome
- Phylloid hypomelanosis
- Ramsay–Hunt syndrome
- Refsum's disease
- Relapsing polychondritis
- Tietz syndrome
- Townes–Brock syndrome
- Vohwinkel's syndrome
- Waardenburg's syndrome

- Xeroderma pigmentosum
- Zipporowski–Margolis syndrome

Further reading:

- Richard G, Brown N, Ishida-Yamamoto A, Krol A (2004) Expanding the phenotypic spectrum of Cx26 disorders: Bart–Pumphrey syndrome is caused by a novel missense mutation in GJB2. *J Invest Dermatol* 123(5):856–863

Diabetes Mellitus

- Acanthosis nigricans (Fig. 2.1)
- Acral gangrene
- Acral erythema
- Bullosis diabeticorum
- Candidiasis
- Clear cell syringoma
- Dermatophytosis
- Diabetic bullae
- Diabetic dermopathy
- Granuloma annulare (especially disseminated type)
- Erythrasma



Fig. 2.1 Acral acanthosis nigricans

- Injection lipoatrophy
- Mucormycosis
- Necrobiosis lipoidica
- Neuropathic ulcers
- Partial lipodystrophy
- Perforating disorders
- Pruritus
- Rubeosis
- Scleredema adutorum
- Xerosis

Further reading:

- Ahmed I, Goldstein B (2006) Diabetes mellitus. *Clin Dermatol* 24(4):237–246

Digital Anomalies

- Adams–Oliver syndrome
- Apert syndrome
- Cleft lip/palate–ectodermal dysplasia
- EEC syndrome
- Epidermal nevus syndrome
- Focal dermal hypoplasia
- Klippel–Trenaunay syndrome
- Limb–mammary syndrome
- Nevoid basal cell carcinoma syndrome
- Oculodentodigital syndrome
- Oral–facial–digital syndrome
- Popliteal pterygium syndrome
- Proteus syndrome
- Trichorhinophalangeal syndrome
- Waardenburg syndrome, type 3

Further reading:

- Kalla G, Garg A (2002) Ectrodactyly. *Indian J Dermatol Venereol Leprol* 68(3):152–153

Down Syndrome

- Alopecia areata
- Brachycephaly
- Brushfield spots
- Cheilitis
- Collagenomas
- Cutis marmorata
- Dermatophyte infections
- Elastosis perforans serpiginosa
- Folliculitis
- Ichthyosis
- Immunodeficiency
- Leukemia
- Lichen simplex chronicus
- Milia-like calcinosis cutis
- Neonatal transient myeloproliferative disorder
- Norwegian scabies
- Scrotal tongue
- Seborrheic dermatitis
- Single palmar crease
- Syringomas
- Vitiligo

Further reading:

- Daneshpazhooh M, Nazemi TM, Bigdeloo L, Yoosefi M (2007) Mucocutaneous findings in 100 children with Down syndrome. *Pediatr Dermatol* 24(3):317–320

Dysphagia/Odynophagia

- Behçet's disease
- Candidiasis
- Darier's disease
- Dermatomyositis

- Erosive lichen planus
- Graft-vs-host disease
- Herpes simplex virus infection
- Howell–Evans syndrome
- Inflammatory bowel disease
- Iron deficiency (Plummer–Vinson syndrome)
- Oral–ocular–genital syndrome
- Pemphigus
- Scleroderma
- Stevens–Johnson syndrome
- Zoster

Further reading:

- Espana A, Fernandez S, del Olmo J et al (2007) Ear, nose, and throat manifestations in pemphigus vulgaris. *Br J Dermatol* 156(4):733–737

Eating Disorder

- Acne
- Acquired zinc deficiency
- Acral coldness
- Acrocyanosis
- Aphthous stomatitis
- Calluses on hands (Russell's sign)
- Carotenemia
- Cheilitis
- Dental caries
- Dermatomyositis-like syndrome (Ipecac)
- Dry hair
- Ecchymoses from vitamin K deficiency
- Edema
- Emesis-related purpura
- Enamel erosion
- Enlarged parotid glands

- Factitial dermatoses
- Finger clubbing
- Fixed drug eruption from phenolphthalein laxative
- Gum recession
- Interdigital intertrigo
- Lanugo-like hair
- Livedo reticularis
- Loss of subcutaneous fat
- Onychorrhexis
- Paronychia
- Pellagra
- Periungual erythema
- Perleche
- Perniosis
- Petechiae and purpura
- Pitting edema
- Poor wound healing
- Prurigo pigmentosa
- Pruritus
- Scurvy
- Seborrheic dermatitis
- Striae distensae
- Telogen effluvium
- Trichotillomania
- Xerosis

Further reading:

- Strumia R (2005) Dermatologic signs in patients with eating disorders. *Am J Clin Dermatol* 6(3):165–173

Epilepsy

- Anticonvulsant reaction
- Centrofacial lentiginosis

- CNS lupus
- Dupuytren's contracture
- Encephalocraniocutaneous lipomatosis
- Epidermal nevus syndrome
- Focal dermal hypoplasia
- Gingival fibromatosis
- Hypomelanosis of Ito
- Incontinentia pigmenti
- Lhermitte–Duclos disease
- Menkes' kinky-hair syndrome
- Phacomatosis pigmentovascularis
- Sjögren–Larsson syndrome
- Sturge–Weber syndrome
- Tuberous sclerosis
- Wolf–Hirschhorn syndrome
- Wyburn–Mason syndrome

Further reading:

- Hubert JN, Callen JP (2002) Incontinentia pigmenti presenting as seizures. *Pediatr Dermatol* 19(6):550–552

Gastrointestinal Hemorrhage

- Blue rubber bleb nevus syndrome
- Chronic urticaria (*H. pylori* infection)
- Cowden's disease
- Crohn's disease
- Cronkhite–Canada syndrome
- Diffuse neonatal hemangiomatosis
- Ehlers–Danlos syndrome, type IV
- Gardner's syndrome
- Hemangiomatosis
- Henoch–Schönlein purpura

- Hereditary hemorrhagic telangiectasia
- Kaposi's sarcoma
- Kawasaki disease
- Maffucci's syndrome
- Malignant atrophic papulosis
- Muir–Torre syndrome
- Peutz–Jeghers syndrome
- Polyarteritis nodosa
- Pseudoxanthoma elasticum
- Scurvy
- Ulcerative colitis
- Vasculitis

Further reading:

- Braverman IM (2003) Skin signs of gastrointestinal disease. *Gastroenterology* 124(6):1595–1614

Gastrointestinal Neoplasia

- Acanthosis nigricans
- Arsenicism
- Carcinoid syndrome
- Cowden's disease
- Cronkhite–Canada syndrome
- Dermatitis herpetiformis
- Dermatomyositis
- Extramammary Paget's disease
- Gardner's syndrome
- Kaposi's sarcoma
- Leser–Trelat sign
- Muir–Torre syndrome
- Necrolytic migratory erythema
- Neurofibromatosis

- Peutz–Jeghers syndrome
- Sister Mary Joseph nodule
- Tylosis (Howell–Evans syndrome)

Further reading:

- Braverman IM (2003) Skin signs of gastrointestinal disease. *Gastroenterology* 124(6):1595–1614

Hemochromatosis

- Alopecia
- Atrophy
- Generalized hyperpigmentation
- Ichthyosis
- Koilonychia
- Leukonychia
- Onychonychia
- Palmar erythema
- Porphyria cutanea tarda
- Spider telangiectasias
- *Vibrio vulnificus* infection

Further reading:

- Kostler E, Porst H, Wollina U (2005) Cutaneous manifestations of metabolic diseases: uncommon presentations. *Clin Dermatol* 23(5):457–464

Hemodialysis

- Acquired perforating disease
- Beta-2 microglobulin amyloidosis
- Calciphylaxis/calcinosis cutis
- Lindsay's nails (half-and-half nails)
- Muehrcke's lines

- Nephrogenic fibrosing dermopathy
- Pallor
- Pruritus
- Pseudoporphyria
- Uremic frost
- Xerosis or ichthyosis

Further reading:

- Udayakumar P, Balasubramanian S, Ramalingam KS et al (2006) Cutaneous manifestations in patients with chronic renal failure on hemodialysis. *Indian J Dermatol Venereol Leprol* 72(2):119–125

Hepatitis B or Hepatitis C Infection

- Cutaneous small vessel vasculitis
- Disseminated superficial porokeratosis (C)
- Erythema multiforme
- Erythema nodosum
- Gianotti–Crosti syndrome (B)
- Lichen planus (C)
- Mixed essential cryoglobulinemia (C > B)
- Necrolytic acral erythema (C)
- Pigmented purpuric dermatosis (C)
- Polyarteritis nodosa (B > C)
- Porphyria cutanea tarda (C)
- Pruritus
- Urticaria
- Urticarial vasculitis
- Xerostomia

Further reading:

- Bonkovsky HL, Mehta S (2001) Hepatitis C: a review and update. *J Am Acad Dermatol* 44(2):159–182

Hodgkin's Disease

- Cutaneous involvement (rare)
- Eczema
- Erythroderma
- Hyperpigmentation
- Ichthyosis
- Lymphadenopathy
- Mycosis fungoides
- Opportunistic infections
- Pruritus

Further reading:

- Rubenstein M, Duvic M (2006) Cutaneous manifestations of Hodgkin's disease. *Int J Dermatol* 45(3):251–256

Human Immunodeficiency Virus Infection

- Acanthamebiasis
- Acne vulgaris
- Acquired ichthyosis
- Acute HIV exanthem
- Adrenal insufficiency
- Aphthous ulcer
- Atopic dermatitis
- Atypical mycobacterial infection
- Bacillary angiomatosis
- Bacterial folliculitis
- Basal cell carcinoma
- Botryomycosis
- Bowenoid papulosis
- Bullous impetigo
- Chronic actinic dermatitis
- Condyloma accuminata

- Crusted scabies
- Cryptococcosis
- Cutaneous lymphoma
- Cutaneous pneumocystosis
- Cytomegalovirus
- Demodicidosis
- Dermatophytosis
- Deep fungal infection
- Drug eruption
- Ecthyma
- Ecthyma gangrenosum
- Eosinophilic folliculitis
- Epidermodysplasia verruciformis
- Erythema multiforme
- Erythroderma
- Factitious
- Fungal folliculitis
- Generalized pruritus
- Granuloma annulare
- Herpes simplex infection
- Herpes zoster
- Histoplasmosis
- HTLV-1 leukemia/lymphoma
- Hyperpigmentation
- Insect-bite reaction
- Kaposi's sarcoma
- Kwashiorkor
- Leishmaniasis
- Lymphoma
- Molluscum contagiosum
- Necrotizing fasciitis
- Non-Hodgkin's lymphoma
- Papular eruption of AIDS
- Papular mucinosis

- Papular urticaria
- Penicilliosis
- Perioral dermatitis
- Photosensitive drug eruption
- Pityriasis rubra pilaris (type VI)
- Porphyria cutanea tarda
- Post-inflammatory hyperpigmentation
- Psoriasis (more severe)
- Reactive arthritis with urethritis
- RED syndrome (see toxic shock syndrome)
- Rosacea
- Scabies
- Seborrheic dermatitis
- Smooth muscle tumors (angioleiomyoma)
- Squamous cell carcinoma
- Stevens–Johnson syndrome
- Toxic epidermal necrolysis
- Verruca vulgaris
- Verrucous carcinoma
- Viral exanthem
- Xerosis

Further reading:

- Zancanaro PC, McGirt LY, Mamelak AJ et al (2006) Cutaneous manifestations of HIV in the era of highly active antiretroviral therapy: an institutional urban clinic experience. *J Am Acad Dermatol* 54(4):581–588

Hyperthyroidism

- Alopecia areata
- Hyperpigmentation
- Koilonychia
- Onycholysis
- Pemphigoid gestationis
- Pretibial myxedema

- Pruritus
- Thyroid acropachy
- Urticaria
- Vitiligo

Further reading:

- Jabbour SA (2003) Cutaneous manifestations of endocrine disorders: a guide for dermatologists. *Am J Clin Dermatol* 4(5):315–331

Hypothyroidism

- Ascher syndrome
- Carotenoderma
- Chronic urticaria
- Brittle hair
- Easy bruising
- Eruptive and tuberous xanthomas
- Hypohidrosis
- Ichthyosis
- Madarosis
- Myxedema
- Onycholysis
- Palmoplantar keratoderma
- Vitiligo

Further reading:

- Jabbour SA (2003) Cutaneous manifestations of endocrine disorders: a guide for dermatologists. *Am J Clin Dermatol* 4(5):315–331

Immunosuppressed/Transplant Recipient

- Actinic keratosis
- Basal cell carcinoma
- Candidiasis
- Cryptococcosis

- Cytomegalovirus infection
- Dermatophytosis
- Disseminated aspergillosis
- Disseminated *Fusarium* infection (Fig. 2.2)
- Disseminated zoster
- Ecthyma gangrenosum
- Graft-vs-host disease
- Herpes simplex virus
- Histoplasmosis
- Kaposi's sarcoma
- Malakoplakia
- Melanoma
- Merkel cell carcinoma
- Pneumocystosis
- Post-transplant lymphoproliferative disorder
- Sebaceous hyperplasia (cyclosporine)
- Squamous cell carcinoma
- Tinea versicolor
- Trichodysplasia spinulosa
- Viral warts



Fig. 2.2 Disseminated *Fusarium* infection (Courtesy of K. Guidry)

Further reading:

- Hassan G, Khalaf H, Mourad W (2007) Dermatologic complications after liver transplantation: a single-center experience. *Transplant Proc* 39(4):1190–1194

Inflammatory Bowel Disease

- Acne fulminans
- Acrodermatitis enteropathica-like lesions
- Angular cheilitis
- Annular erythema
- Aphthosis
- Bowel-associated dermatosis–arthritis syndrome
- Clubbing
- Cutaneous polyarteritis nodosa
- Epidermolysis bullosa acquisita
- Erythema elevatum diutinum
- Erythema nodosum
- Granulomatous infiltrates
- Hidradenitis suppurativa
- Lichen planus
- Lichen nitidus
- Malnutrition
- Metastatic Crohn's disease
- Ostomy dermatitis
- Psoriasis
- Pustular vasculitis
- Pyoderma gangrenosum
- Pyostomatitis vegetans
- Small vessel vasculitis
- Urticaria
- Vitiligo

Further reading:

- Ruocco E, Cuomo A, Salerno R et al (2007) Crohn's disease and its mucocutaneous involvement. *Skinmed* 6(4):179–185

Klinefelter Syndrome

- Gynecomastia
- Leg ulcers
- Tall stature
- Testosterone-induced acne
- Varicose veins

Further reading:

- De Morentin HM, Dodiuk-Gad RP, Brenner S (2004) Klinefelter's syndrome presenting with leg ulcers. *Skinmed* 3(5):274–278

Leukemia

- Acral ischemia
- Cheilitis
- Chloroma (granulocytic sarcoma)
- Erythema elevatum diutinum
- Erythema multiforme
- Erythema nodosum
- Erythroderma
- Exaggerated arthropod-bite reactions
- Fingertip hypertrophy
- Gingival infiltration
- Grover's disease-like eruption
- Leonine facies
- Neutrophilic dermatosis of the dorsal hands
- Neutrophilic eccrine hidradenitis
- Oral ulcers
- Panniculitis
- Paraneoplastic pemphigus
- Polyarteritis nodosa
- Purpura
- Pyoderma gangrenosum

- Recalcitrant eczema
- Subungual nodule
- Sweet's syndrome (especially bullous)
- Urticaria
- Vasculitis

Further reading:

- Agnew KL, Ruchlemer R, Catovsky D et al (2004) Cutaneous findings in chronic lymphocytic leukaemia. *Br J Dermatol* 150(6):1129–1135

Lupus Erythematosus, Systemic

- Antiphospholipid antibody syndrome
- Basaloid follicular hamartoma
- Benign hypergammaglobulinemic purpura
- Bullous lesions
- Butterfly (malar) rash
- Calcinosis cutis
- Chilblains-like lesions
- Cryoglobulinemia
- Dermatofibromas (>15)
- Digital infarctions
- Discoid lesions (Fig. 2.3)
- Erythema multiforme-like lesions
- Fractured hairs
- Leg ulcers
- Lichen planus–lupus erythematosus overlap
- Livedo reticularis
- Livedoid vasculopathy
- Lupus panniculitis
- Malignant atrophic papulosis
- Mucinous lesions
- Oral painless ulcers
- Palmar erythema



Fig. 2.3 Discoid lupus erythematosus

- Periorbital edema
- Periungual telangiectasias
- Photosensitivity
- Poikilodermatous skin changes
- Purpura
- Raynaud's phenomenon
- Red lunula
- Rheumatoid nodules
- Scarring alopecia
- Sweet's syndrome
- Telogen effluvium
- Toxic epidermal necrolysis-like presentation
- Urticarial vasculitis

Further reading:

- Rothfield N, Sontheimer RD, Bernstein M (2006) Lupus erythematosus: systemic and cutaneous manifestations. *Clin Dermatol* 24(5):348–362

Malignancy, Internal

- Acanthosis nigricans
- Acquired ichthyosis

- Bazex's syndrome
- Carcinoid syndrome
- Cushing's syndrome
- Cutaneous small vessel vasculitis
- Dermatitis herpetiformis
- Dermatomyositis
- Erythema annulare centrifugum
- Erythema gyratum repens
- Exfoliative erythroderma
- Extramammary Paget's disease
- Hypertrichosis lanuginosa (malignant down)
- Multicentric reticulohistiocytosis
- Mycosis fungoides
- Necrobiotic xanthogranuloma
- Necrolytic migratory erythema
- Paget's disease of the breast
- Paraneoplastic pemphigus
- Porphyria cutanea tarda
- Pyoderma gangrenosum
- Sign of Leser-Trélat
- Sweet's syndrome
- Tripe palms
- Urticaria
- Urticarial vasculitis

Further reading:

- Chung VQ, Moschella SL, Zembowicz A, Liu V (2006) Clinical and pathologic findings of paraneoplastic dermatoses. *J Am Acad Dermatol* 54(5):745–762

Monoclonal Gammopathy/Multiple Myeloma

- Acquired angioedema
- Acquired cutis laxa
- Amyloidosis
- Atypical scleroderma

- Bullous amyloidosis
- Digital cutis laxa-like changes
- Epidermolysis bullosa acquisita
- Erythema elevatum diutinum
- Extramedullary cutaneous plasmacytomas (Fig. 2.4)
- Follicular hyperkeratosis (spines)
- Hair casts
- IgA pemphigus
- IgM storage papules (cutaneous macroglobulinosis)
- Leukocytoclastic vasculitis
- Necrobiotic xanthogranuloma
- Paraneoplastic pemphigus
- Plane xanthomas
- POEMS syndrome
- Pyoderma gangrenosum
- Schnitzler syndrome
- Scleredema



Fig. 2.4 Plasmacytomas (Courtesy of K. Guidry)

- Scleromyxedema
- Subcorneal pustular dermatosis
- Subepidermal bullous dermatosis
- Sweet's syndrome
- Xanthoma disseminatum

Further reading:

- Satta R, Casu G, Dore F, Longinotti M, Cottoni F (2003) Follicular spicules and multiple ulcers: cutaneous manifestations of multiple myeloma. *J Am Acad Dermatol* 49(4):736–740

Multiple Endocrine Neoplasia, Type I

- Adrenocortical tumors
- Angiofibromas
- Cafe-au-lait macules
- Collagenomas
- Confetti-like hypopigmentation
- Gastrointestinal tumors
- Gingival papules
- Leiomyomas
- Lipomas
- Melanoma
- Parathyroid adenoma
- Pituitary adenoma

Further reading:

- Jabbour SA, Davidovici BB, Wolf R (2006) Rare syndromes. *Clin Dermatol* 24(4):299–316

Multiple Endocrine Neoplasia, Type IIA

- Lichen amyloidosis
- Medullary thyroid carcinoma

- Parathyroid hyperplasia
- Pheochromocytoma
- Pruritus

Further reading:

- Jabbour SA, Davidovici BB, Wolf R (2006) Rare syndromes. Clin Dermatol 24(4):299–316

Multiple Endocrine Neoplasia, Type IIB

- Cafe-au-lait macules
- Elongated facies
- Marfanoid habitus
- Medullary thyroid carcinoma
- Mucosal neuromas
- Pheochromocytoma

Further reading:

- Jabbour SA, Davidovici BB, Wolf R (2006) Rare syndromes. Clin Dermatol 24(4):299–316

Obesity

- Acanthosis nigricans
- Acrochordons
- Adiposis dolorosa
- Bacterial infections
- Candidiasis
- Dermatophytosis
- Frictional hyperpigmentation
- Gout

- Hidradenitis
- Hyperhidrosis
- Intertrigo
- Keratosis pilaris
- Lipodermatosclerosis
- Plantar hyperkeratosis
- Pseudoacanthosis nigricans
- Psoriasis
- Stasis dermatitis
- Striae distensae
- Venous insufficiency ulcers

Further reading:

- Yosipovitch G, DeVore A, Dawn A (2007) Obesity and the skin: skin physiology and skin manifestations of obesity. *J Am Acad Dermatol* 56(6):901–916

Pancreatic Disease

- Cullen's sign
- Familial melanoma
- Glucagonoma syndrome
- Jaundice
- Livedo reticularis
- Metastatic disease
- Migratory thrombophlebitis (Trousseau's syndrome)
- Multiple endocrine neoplasia
- Panniculitis
- Systemic lupus erythematosus
- Turner's sign
- Xanthomas (hypertriglyceridemia)

Further reading:

- Kobayashi S, Yoshida M, Kitahara T et al (2007) Autoimmune pancreatitis as the initial presentation of systemic lupus erythematosus. *Lupus* 16(2):133–136

POEMS Syndrome (Crow–Fukase Syndrome)

- Alopecia
- Cherry angiomas
- Clubbing
- Flushing
- Glomeruloid hemangiomas
- Hyperpigmentation
- Hypertrichosis
- Lymphadenopathy
- Ichthyosis
- Microvenular hemangiomas
- Raynaud's phenomenon
- Sclerodermoid changes

Further reading:

- Phillips JA, Dixon JE, Richardson JB et al (2006) Glomeruloid hemangioma leading to a diagnosis of POEMS syndrome. *J Am Acad Dermatol* 55(1):149–152

Polyyps, Intestinal

- Bannayan–Riley–Ruvalcaba
- Birt–Hogg–Dube syndrome
- Cronkhite–Canada syndrome
- Familial polyposis
- Gardner's syndrome
- Muir–Torre syndrome
- Neurofibromatosis
- Peutz–Jeghers syndrome

Further reading:

- Braverman IM (2003) Skin signs of gastrointestinal disease. *Gastroenterology* 124(6):1595–1614

Pregnant

- Acne vulgaris
- Atopic dermatitis of pregnancy
- Cholestasis of pregnancy
- Darkening of nevi
- Diffuse hyperpigmentation
- Erythema nodosum
- Folliculitis
- Impetigo herpetiformis
- Melasma
- Palmar erythema
- Pemphigoid gestationis
- Prurigo of pregnancy
- Pruritic urticarial papules and plaques of pregnancy
- Pyogenic granuloma
- Spider telangiectasias
- Striae gravidarum
- Urticaria
- Varicosities

Further reading:

- Ambros-Rudolph CM (2006) Dermatoses of pregnancy. *J Dtsch Dermatol Ges* 4(9):748–759

Pulmonary Disease

- Antitrypsin deficiency panniculitis
- Arsenicism
- Aspergillosis
- Atopic dermatitis
- Birt–Hogg–Dube syndrome
- Blastomycosis

- Chronic granulomatous disease
- Churg–Strauss syndrome
- Coccidioidomycosis
- CREST syndrome
- Cystic fibrosis
- Dermatomyositis
- Hereditary hemorrhagic telangiectasia
- Histoplasmosis
- Langerhans cell histiocytosis
- Lymphomatoid granulomatosis
- Mycoplasma infection
- Nocardiosis
- Sarcoidosis
- Scleroderma
- Sweet's syndrome
- Tuberculosis
- Wegener's granulomatosis
- Viral infection
- Tuberous sclerosis

Further reading:

- Astudillo L, Sailer L, Launay F et al (2006) Pulmonary involvement in Sweet's syndrome: a case report and review of the literature. *Int J Dermatol* 45(6):677–680

Renal Disease

- Alport's syndrome
- Birt–Hogg–Dube syndrome
- Cholesterol emboli syndrome
- Fabry's disease
- Goodpasture's syndrome
- Henoch–Schönlein purpura
- Hereditary leiomyomatosis
- Myeloma

- Nail-patella syndrome
- Neurofibromatosis
- Oxalosis
- Polyarteritis nodosa
- Primary systemic amyloidosis
- Pseudoporphyria
- Pseudoxanthoma elasticum
- Renal cell carcinoma
- Sarcoidosis
- Scleroderma
- Small vessel vasculitis
- Systemic lupus erythematosus
- Tuberous sclerosis
- Wegener's granulomatosis

Further reading:

- Abdelbaqi-Salhab M, Shalhub S et al (2003) A current review of the cutaneous manifestations of renal disease. *J Cutan Pathol* 30(9):527–538

Rheumatoid Arthritis

- Accelerated rheumatoid nodulosis
- Alopecia areata
- Bullous pemphigoid
- Bywaters lesions
- Cicatricial pemphigoid
- Clubbing
- Dermatitis herpetiformis
- Digital pulp nodules
- Epidermolysis bullosa acquisita
- Erythema elevatum diutinum
- Erythema multiforme
- Erythema nodosum
- Erythromelalgia

- Felty's syndrome
- Hyperpigmentation
- Interstitial granulomatous dermatitis with arthritis
- Linear necrobiotic subcutaneous bands
- Localized hyperhidrosis
- Mondor's disease
- Nail-fold telangiectasia
- Onychorrhexis
- Palisaded neutrophilic and granulomatous dermatitis
- Palmar erythema
- Pemphigus
- Pyoderma gangrenosum
- Reactive angioendotheliomatosis
- Rheumatoid neutrophilic dermatitis
- Rheumatoid nodules
- Rheumatoid vasculitis
- Small vessel vasculitis
- Splinter hemorrhages
- Subcorneal pustular dermatosis
- Sweet's syndrome
- Transient macular erythema
- Urticaria
- Vasculitis
- Vitiligo
- Yellow nail syndrome

Further reading:

- Sayah A, English JC III (2005) Rheumatoid arthritis: a review of the cutaneous manifestations. *J Am Acad Dermatol* 53(2):191–209

Sexually Promiscuous

- Amebiasis
- Candidiasis

- Chancroid
- *Chlamydia*
- Cytomegalovirus
- Giardiasis
- Gonorrhea
- Granuloma inguinale
- Hepatitis A virus
- Hepatitis B virus
- Hepatitis C virus
- Herpes simplex virus
- Human herpes virus, type 8
- Human immunodeficiency virus
- Human papillomavirus virus
- Human T cell lymphotropic virus
- Lymphogranuloma venereum
- Mobiluncus infection
- Molluscum contagiosum
- Nongococcal urethritis
- Pediculosis pubis
- Scabies
- Syphilis
- Trichomoniasis

Further reading:

- Wang QQ, Mabey D, Peeling RW et al (2002) Validation of syndromic algorithm for the management of genital ulcer diseases in China. *Int J STD AIDS* 13(7):469–474

Sjögren Syndrome

- Amyloidosis
- Annular erythema
- Benign hypergammaglobulinemic purpura of Waldenstrom
- Erythema multiforme-like lesions
- Erythema nodosum

- Photosensitivity
- Pyoderma gangrenosum
- Sweet's syndrome
- Urticarial vasculitis
- Vaginal dryness
- Vasculitis
- Xerophthalmia
- Xerosis
- Xerostomia

Further reading:

- Soy M, Piskin S (2007) Cutaneous findings in patients with primary Sjogren's syndrome. *Clin Rheumatol* 26(8):1350–1352

Smoker

- Chronic cutaneous lupus erythematosus
- Favre–Racouchot syndrome
- Hidradenitis suppurativa
- Keratoacanthoma
- Mid dermal elastolysis
- Metastatic lung cancer
- Oral leukoplakia
- Nicotine patch allergy
- Nicotine stomatitis
- Palmoplantar pustulosis
- Psoriasis
- Squamous cell carcinoma
- Thromboangiitis obliterans
- Trench mouth

Further reading:

- Freiman A, Bird G, Metelitsa AI, Barankin B, Lauzon GJ (2004) Cutaneous effects of smoking. *J Cutan Med Surg* 8(6):415–423

Spinal Dysraphism

- Acrochordons
- Aplasia cutis congenita
- Capillary malformations
- Cobb syndrome
- Congenital melanocytic nevi
- Dermal sinuses
- Dimples
- Ependymomas
- Hemangiomas
- Hyperpigmentation
- Hypertrichosis (faun tail)
- Hypopigmentation
- Lipomas
- Lipomyelomeningoceles
- Meningoceles
- Plexiform neurofibromas
- Pseudotails
- Telangiectasias
- Teratomas
- True tails

Further reading:

- Guggisberg D, Hadj-Rabia S, Viney C et al (2004) Skin markers of occult spinal dysraphism in children: a review of 54 cases. *Arch Dermatol* 140(9):1109–1115

Stroke

- Antiphospholipid antibody syndrome
- Atrial myxoma
- Behçet's disease
- Cholesterol emboli

- Cryoglobulinemia
- Disseminated intravascular coagulation
- Endocarditis
- Fabry's disease
- Hereditary hypercoagulability
- Intravascular lymphoma
- Malignant atrophic papulosis
- Neurosyphilis
- Septic emboli
- Sneddon syndrome
- Systemic lupus erythematosus
- Thrombotic thrombocytopenic purpura

Further reading:

- Al Aboud D, Broshtilova V, Al Aboud K (2005) Dermatological aspects of cerebrovascular diseases. *Acta Dermatovenerol Alp Panonica Adriat* 14(1):9–14

Sun Exposure, Chronic

- Actinic granuloma
- Actinic keratosis
- Atypical fibroxanthoma
- Basal cell carcinoma
- Bateman's purpura
- Bullous lesions
- Colloid milium (Fig. 2.5)
- Cutis rhomboidalis nuchae
- Elastotic nodules of the ear
- Favre–Racouchot syndrome
- Fibroelastolytic papulosis
- Keratoacanthoma
- Marginal keratoderma
- Melanoma
- Merkel cell carcinoma
- Poikiloderma of Civatte

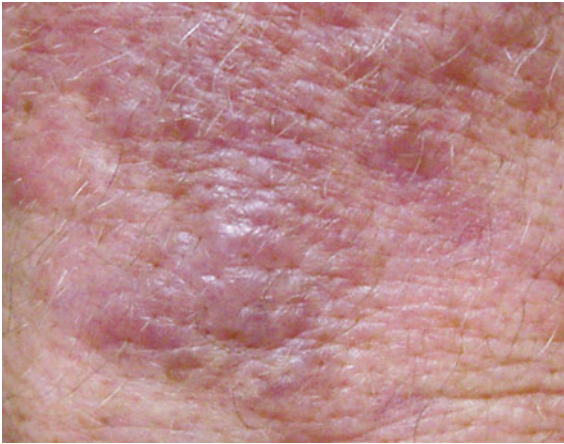


Fig. 2.5 Colloid milium (Courtesy of W. T. Massengale)

- Solar lentigines
- Squamous cell carcinoma
- Stellate pseudoscars
- Telangiectasia
- Weathering nodules
- Venous lake

Further reading:

- Heras JA, Jimenez F, Soguero ML et al (2007) Bullous solar elastosis. *Clin Exp Dermatol* 32(3):272–274

Tick Bite

- Babesiosis
- Boutonneuse fever
- Colorado tick fever
- Human granulocytic anaplasmosis
- Human monocytic ehrlichiosis
- Lyme disease
- Q fever

- Rocky Mountain spotted fever
- Southern tick-associated rash illness
- Tick-borne relapsing fever
- Tularemia

Further reading:

- McGinley-Smith DE, Tsao SS (2003) Dermatoses from ticks. *J Am Acad Dermatol* 49(3):363–392

Turner Syndrome

- Alopecia areata
- Cardiovascular defects
- Cystic hygroma
- Gonadal dysgenesis
- Halo nevus
- Keloids
- Lymphedema
- Multiple melanocytic nevi
- Renal malformations
- Short stature
- Thyroid disease
- Webbed neck
- Widely spaced nipples

Further reading:

- Lowenstein EJ, Kim KH, Glick SA (2004) Turner's syndrome in dermatology. *J Am Acad Dermatol* 50(5):767–776

Virilization

- Abnormal menstrual cycle
- Acne
- Androgenic alopecia
- Clitoral hypertrophy

- Decreased breast size
- Deep voice
- Hirsutism

Further reading:

- Lee AT, Zane LT (2007) Dermatologic manifestations of polycystic ovary syndrome. *Am J Clin Dermatol* 8(4):201–219

X-Linked Dominant Inheritance Pattern

- Albright hereditary osteodystrophy
- Bazex's syndrome
- CHILD syndrome
- Congenital generalized hypertrichosis
- Conradi–Hunermann syndrome
- Goltz syndrome
- Incontinentia pigmenti
- Oral–facial–digital syndrome

X-Linked Recessive Inheritance Pattern

- Anhidrotic ectodermal dysplasia
- Bruton's agammaglobulinemia
- Chronic granulomatous disease
- Crandall's syndrome
- Duncan's syndrome
- Dyskeratosis congenita
- Fabry's disease
- Hunter syndrome
- Keratosis follicularis spinulosa decalvans
- Lesch–Nyhan disease
- Menkes kinky-hair disease
- Severe combined immunodeficiency
- Wiskott–Aldrich syndrome
- X-linked ichthyosis

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Jackson, S.; Nesbitt, L.T.

2012, XVII, 1507 p. 164 illus. in color., Softcover

ISBN: 978-3-642-28005-4