

**Disease or Sign**

**Association**

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acanthosis nigricans	acrochordons, acromegaly, Addison's d., Bloom's s., cancer (gastric), Crouzon's s., Cushing's d., diabetes mellitus, drugs, gonadal d., hyperandrogenic states, hyperinsulinism, hyperthyroidism, hypogonadism with insulin resistance, hypothyroidism, <b>insulin resistance</b> , Lawrence-Seip s., <b>obesity</b> , polycystic ovary s., pituitary extract therapy, pituitary tumor, pinealoma, polycystic ovary s., Rabson-Mendenhall s., Rud's s., Seip-Lawrence s., thyroid d., tripe palm, Wilson's d.
acanthosis nigricans, malignant	<b>adenocarcinoma</b> (bowel, breast, gallbladder, <b>gastric</b> ), Hodgkin's lymphoma, liver, lung, mycosis fungoides, ovaries, prostate
acne	calcinosis cutis, chronic granulomatous d., hypopigmentation, hyperpigmentation, keloid scars, SAPHO s.
acne necrotica miliaris	professional persons, stress
acne venenata	asbestos, chlorinated aromatic hydrocarbons, cosmetics, crude petrolatum, cutting oil, DDT, heavy coal tar distillates, steroids
acquired perforating disorder	chronic active hepatitis, chronic renal failure, <b>diabetes</b> , hypothyroidism, internal malignancy, liver failure
acroangioidermatitis	AVM, chronic venous insufficiency
actinic elastosis	actinic purpura, colloid milium, nodular elastosis, poikiloderma of Civatte, stellate spontaneous pseudoscars
acute myelogenous leukemia	neutrophilic eccrine hidradenitis, Sweet's s.
acute necrotizing ulcerative gingivitis	fatigue, HIV, poor oral hygiene, smoking, stress
Addison's d.	adrenal hemorrhage, amyloidosis, cytomegalovirus, histoplasmosis, Hodgkin's lymphoma, metastatic carcinoma, pituitary gland dysfunction, primary adrenal gland failure, sarcoidosis, tuberculosis, vitiligo
adenoma	Muir-Torre s.
adenoma sebaceum	<i>see angiofibroma</i>
AIDS	<i>see HIV infection</i>
alcoholism/ETOH consumption	<b>dermatologic</b> ; flushing, furuncles, leukoplakia, nail changes, nummular eczema, oral carcinoma, griseofulvin intolerance, hyperpigmentation, lichenoid dermatitis, oral changes, palmar erythema, pruritus, psoriasis, pyoderma vegetans, telangiectasia, unilateral nevoid telangiectasia, urticaria <b>endocrine</b> ; hypogonadism, hyperestrogenism, PCT, pseudo-Cushing's s. <b>exacerbated diseases</b> ; discoid eczema, psoriasis, rosacea <b>infections</b> ; erysipelas, <i>Vibrio vulnificus</i> sepsis, acquired purpura fulminans, pancreatitis, subcutaneous fat necrosis <b>nutritional</b> ; marasmus, kwashiorkor, pellagra, riboflavin (B2) deficiency, scurvy, zinc deficiency <b>other</b> ; coagulopathy, Cullen's sign, Dupuytren's contracture, Grey-Turner's sign, Madelung's d.
alopecia areata	<i>see hair section</i>
amyloidosis	familial Mediterranean fever, Muckle-Wells s.
amyloidosis, lichen	Chinese, connective tissue d., eczema (associated with celiac d.), HIV, MEN 2A, Naegeli-Franceschetti-Jadassohn s., pachyonychia congenita, PUVA, radiodermatitis, Riehl's melanosis, SLE
amyloidosis, macular	Asians, connective tissue d., eczema (associated with celiac d.), MEN 2A, Middle Easterners, Naegeli-Franceschetti-Jadassohn s., nostalgia paresthetica, pachyonychia congenita, primary biliary cirrhosis, PUVA, radiodermatitis, Riehl's melanosis, scleroderma, SLE, South Americans
amyloidosis, nodular	paraproteinemia, proteinuria
amyloidosis, primary	multiple myeloma (15%)
amyloidosis, secondary	actinic keratosis, Addison's d., annular elastolytic giant cell granuloma, BCC, Bowen's d., CTCL, cylindroma, dermatofibroma, dystrophic epidermolysis bullosa, hidradenitis suppurativa, junctional nevus, lepromatous leprosy, osteomyelitis, pilomatrixoma, porokeratosis, PUVA treated, RA, seborrheic keratosis, syphilis, tuberculosis
amyloidosis, secondary systemic	<b>autoimmune</b> ; ankylosing spondylitis, Behçet's s., IBD, RA, Reiter's s., Sjögren's s., SLE

	<b>dermatologic:</b> acne, burns, EB panniculitis, ectodermal dysplasia, hidradenitis suppurativa, leprosy, psoriasis, venous ulcer <b>other:</b> bronchiectasis, Castleman's d., cystic fibrosis, diabetes mellitus, Hodgkin's d., infections (recurrent)
anetoderma	AIDS, elastin abnormalities, familial, immunologic defects
angioedema	hypocomplementemic urticarial vasculitis s., urticarial vasculitis
angiofibroma	adenoma sebaceum, Bourneville's s., fibrous papules of the nose, oral fibromas, pearly penile papules, perifollicular fibromas, tuberous sclerosis, Vogt triad
angiokeratoma circumscriptum	cavernous hemangioma, Cobb's s., Klippel-Trenaunay-Weber s., nevus flammeus
angiokeratoma of Fordyce	hernia, lymphogranuloma venereum, prostatitis, thrombophlebitis, varicocele
angiokeratomas	Fabry's d., fucosidosis, Klippel-Trenaunay-Weber s., sialidosis
angiolymphoid hyperplasia with eosinophilia	regional LAD, peripheral eosinophilia
angiotensin converting enzyme (ACE) elevations	berylliosis, chronic inflammatory d., diabetes mellitus, Gaucher's d., leprosy, malignant histiocytosis, Mycobacterium avium intracellulare infection, sarcoid, silicosis, tuberculosis
annulus migrans	acropustulosis, generalized pustular psoriasis, Reiter's s.
aplasia cutis congenita	4p-syndrome, 13-trisomy s., Adams-Oliver s., Bart's s., ectodermal dysplasia, oculo-cerebro-cutaneous s.
arthritis mutilans	multicentric reticulohistiocytosis, psoriasis
asthma	IgA deficiency s.
ataxia telangiectasia	carcinoma (biliary, gastric, ovarian), leukemia, lymphoma
atopic dermatitis ( <i>see also eczema</i> )	acne (decreased), allergic rhinitis (>15%), anhidrotic ectodermal dysplasia, asthma, cataracts, chronic granulomatous d., conjunctivitis, eczema herpeticum, exfoliative erythroderma, geographic tongue, growth retardation, <b>ichthyosis vulgaris</b> , keratosis pilaris, Netherton's d., pityriasis alba, secondary infections, urticaria, <b>xerosis</b> (>50%) <b>rare associated diseases:</b> acrodermatitis enteropathica, agammaglobulinemia, ahistidinemia, ataxia telangiectasia, hyper IgE s., IgA deficiency s., IgM deficiency s., phenylketonuria, tyrosinemia, Wiskott-Aldrich s., X-linked agammaglobulinemia (Bruton's)
atopy	allergic rhinitis, <b>asthma</b> , chelitis, conjunctivitis, Dennie-Morgan lines, geographic tongue, <b>ichthyosis vulgaris</b> , IgA deficiency s., <b>keratosis pilaris</b> , Netherton's s., Staphylococcal infections, urticaria, viral infections (molluscum, HSV), white dermatographism, <b>xerosis</b>
atrophoderma (follicular)	Bazex's s., chondrodysplasia punctata
atrophoderma vermiculatum	birefringent hairs, Eisenmenger complex, epidermal cysts, folliculitis decalvans, intra-auricular septal defect, mongolism, Rombo s.
basal cell carcinoma	arsenic exposure (arsenic keratoses), amputation stumps, BCC nevus s., Basex s., Bowen's d., dermatofibroma, DLE, dermatofibroma, epidermolysis bullosa, epidermal nevus, gummas, Hermansky-Pudlak s., hidradenitis suppurativa, <b>immunosuppression</b> , leg ulcers, <b>light skin color</b> , linear epidermal nevi, linear unilateral basal cell nevus s., lupus vulgaris, Merkel cell ca., Muir-Torre s., nevus sebaceous of Jadassohn (5-7%), onchocerciasis, porokeratosis, radiotherapy, thermal burns, Rasmussen s., Rombo s., Rothmund-Thomson s., trauma, stasis dermatitis, <b>sun exposure</b> , vaccination scars, wire rimmed glasses, xeroderma pigmentosa
basal cell epithelioma	porokeratosis of Mibelli
Bazex's s.	cancer of upper respiratory system; tongue, pharynx, esophagus, lung
Becker's nevus	developmental defects (spina bifida, breast hypoplasia, limb asymmetry), smooth muscle hamartoma
biliary cirrhosis	hyperpigmentation, jaundice, lichen planus, nail clubbing, nodular xanthoma, palmar xanthoma, pruritus, sarcoid, tuberous xanthoma
birth, lesions presenting at	acrogeria, acrokeratosis verruciformis, aggressive infantile fibromatosis, aplasia cutis, ash leaf macule, blue rubber bleb nevus s., congenital self-healing reticulohistiocytoma, congenital total lipodystrophy, cutis marmorata telangiectatica congenita, diffuse and macular atrophic dermatosis, endovascular papillary angioendothelioma of childhood (Dabska tumor), epidermolysis bullosa (Koebner), erythema toxicum neonatorum, fibrous hamartoma of infancy, fibromatosis colli,

	follicular atrophoderma, generalized congenital fibromatosis, hemangiomas, herpes gestationis, incontinentia pigmenti, infantile myofibromatosis, inflammatory linear verrucous epidermal nevus, infundibulofolliculitis, juvenile hyaline fibromatosis, juvenile xanthogranuloma, lymphangiomas of the alveolar ridges in neonates, mastocytoma, multiple lentiginos s., nevus comedonicus, nevus lipomatosus cutaneous superficialis (Hoffman-Zurhelle), Peutz-Jeghers s., piebaldism, pili torti, pseudoainhum, self-healing reticulohistiocytosis, stiff skin s., smooth muscle hamartoma, transient neonatal pustular melanosis, verrucous nevus, Waardenburg's s., white forelock, white sponge nevus
Birt-Hogg-Dube s.	adenoma (colon), pulmonary cysts, renal tumors, spontaneous pneumothorax
Bloom's s.	adenocarcinoma (sigmoid colon), leukemia, lymphoma, lymphosarcoma, SCC
Bowen's d.	porokeratosis of Mibelli
bromhidrosis	thiabendazole administration
bullous pemphigoid	amyotrophic lateral sclerosis, diabetes mellitus, LE, myasthenia gravis, pernicious anemia, polymyositis, RA, thyroiditis, ulcerative colitis
calcinosis cutis	PACK s.
cancer	<b>breast</b> ; ataxia-telangiectasia carriers, Cowden's s., Peutz-Jeghers s. <b>esophagus</b> ; Howel-Evans' s., <b>gastrointestinal</b> ; acanthosis nigricans, Cronkhite-Canada s., dermatomyositis, familial atypical multiple mole melanoma s., Muir-Torre s., Peutz-Jeghers s., <b>pancreas</b> ; familial atypical multiple mole melanoma s., Peutz-Jeghers s., <b>pulmonary</b> ; Langerhan's cell histiocytosis <b>renal</b> ; von Hippel-Lindau d. <b>thyroid</b> ; Gardner's s., Sipple's s.
candidiasis, chronic mucocutaneous	adrenal abnormalities, AIDS, biotin dependent carboxylase deficiency, common variable immunodeficiency, dental enamel dysplasia s., diabetes mellitus, DiGeorge's s., EEC s., hyper IgE s., hypogammaglobulinemia, hypoparathyroidism, hypothyroidism, immunodeficiency, iron deficiency, myasthenia gravis, myeloperoxidase deficiency, Nezelof's s., parathyroid, polyendocrinopathy, severe combined immunodeficiency s., thymoma, vitiligo
carcinoid s., precipitated by	avocados, cheese, chocolate, eating, eggplant, emotional stress, EtOH, hot beverages/foods, pressure (on the tumor), red plums, tomatoes, Valsalva maneuver, walnuts
Castleman's d.	HHV-8 (in HIV), POEMS s.
cellulitis	burns, eczema, edema, prior surgery, radiation therapy, tinea pedis
Chediak-Higashi s.	lymphoma
cheilitis granulomatosa	Crohn's d., Melkersson-Rosenthal s., sarcoidosis
chilblains	angiokeratoma of Mibelli, chronic myelomonocytic leukemia
chloracne	erythema nodosum, exposure (chlorinated phenols, cutting oil, dioxin, electrical insulation, fungicide, herbicide, insecticide, wood preservative), palmar & plantar hyperhidrosis, porphyric changes
cirrhosis, biliary	PACK s.
cirrhosis, hepatic	hemochromatosis, lichen planus, porphyria cutanea tarda, SLE
coloboma	Goltz's s., whistling face s.
Cowden's d.	breast cancer (30%), fibrocystic breast disease, GI polyps (35%), neurologic disease, ovarian cysts, thyroid cancer (5%)
Crohn's d.	epidermolysis bullosa acquisita, erythema multiforme, <b>erythema nodosum</b> , exfoliative dermatitis, false + Kveim test, herpes zoster, IgA deficiency, lichen nitidus, LE, necrotizing vasculitis, palmar erythema, polyarteritis nodosa, psoriasis, pustular response to trauma, <b>pyoderma gangrenosum</b> , Reiter's s., Stevens-Johnson s., striae, subcorneal pustular dermatosis, urticaria, vitiligo, zinc deficiency
Crouzon's s.	acanthosis nigricans
cryoglobulinemia, essential mixed	<b>autoimmune</b> ; Behçet's d., hypersensitivity vasculitis, RA, Sjögren's s., SLE <b>lymphoproliferative</b> ; CLL, lymphoma, multiple myeloma, Waldenstrom's macroglobulinemia <b>infectious</b> ; cytomegalovirus, HBV, HCV, mononucleosis, subacute bacterial endocarditis, toxoplasmosis

CTCL	Hodgkin's d., large cell lymphoma, leukemia, myeloma, paraproteinemia
Cushing's s.	acanthosis nigricans, acne, alopecia, ecchymoses, hirsutism, McCune-Albright s., NAME s.
cutis marmorata, persistent	DeLang s., Down s., Trisomy 18
cutis verticis gyrata	acromegaly, Apert's s., acanthosis nigricans, amyloidosis, leukemia, myxedema, pachydermoperiostosis, Rosenthal-Kloepfer s., syphilis, Touraine-Solente-Gol— s., tuberous sclerosis
cylindroma	Ancell-Spiegler s., Brooke-Spiegler s., trichoepitheliomas
Darier's d.	affective disorders, <b>bone cysts</b> , depression, epilepsy, encephalopathy, Kaposi's varicelliform eruption, mental retardation, renal agenesis, <b>retinitis pigmentosa</b> , salivary gland obstruction, schizophrenia, testicular agenesis <b>exacerbation:</b> lithium, sweating, trauma, UVB light
delusion of parasitosis	cerebral atherosclerosis, CVA, drug abuse, endocrinopathies, hemodialysis, medications, pellagra, vitamin B <sub>12</sub> deficiency
dermatitis herpetiformis	Addison's d., diabetes mellitus, gluten sensitivity enteropathy, <b>intestinal lymphoma</b> , iodide sensitivity, LE, RA, thyroid disease, ulcerative colitis
dermatofibromas, multiple	myasthenia gravis, SLE
dermatomyositis	<b>cancer</b> (breast, bronchogenic, <b>ovary</b> , cervix, gastrointestinal, penile, non-melanoma skin), panniculitis (lobular), Raynaud's phenomenon, sclerodactyly
dermatophytosis, chronic	atopic dermatitis, corticosteroids, Cushing's d., diabetes mellitus, immunodeficiency, lymphoma
diabetes insipidus	eosinophilic granuloma of bone, Hand-Schüller-Christian d., xanthoma disseminatum
diabetes mellitus	<b>dermatologic;</b> acanthosis nigricans, alopecia areata, anhidrosis, atrophie blanche, bullous pemphigoid, central papillary atrophy, cherry angiomas, clear cell syringoma, dermatitis herpetiformis, dermatographism, diabetic bullae (bullosis diabeticorum), diabetic dermopathy (shin spot), Dunnigan s., EBA, erythrasma (women), erythromelalgia, finger pebbling, foot ulcers, leg ulcers, lichen planus, localized bullous pemphigoid, furuncles/carbuncles, granuloma annulare, hyperhidrosis, knuckle pads, Kyrle's d., lichen planus, necrobiosis lipoidica diabeticorum, necrotizing fasciitis, PXE, palmar/plantar fibromatosis, plane xanthoma, plantar fibromatosis, porphyria cutanea tarda, pruritus vulvae, reacting perforating collagenosis, reticulated erythematous mucinosis, scleredema, seborrheic dermatitis, skin tags, skin thickening, tendinous xanthoma, thrush, vitiligo, Werner's s., xanthoma disseminatum, yellow skin <b>infectious;</b> botryomycosis, chronic mucocutaneous candidiasis, chronic paronychia, crusted scabies, erosa interdigitalis blastomycetica, Fournier's gangrene, malignant external otitis (Pseudomonas), paronychia (Candida), vaginal candidiasis, <i>Vibrio vulnificus</i> , zygomycosis <b>nails;</b> paronychia, Beau's line, leukonychia, onychauxis, onychogryphosis, onycholysis, onychomadesis, onychomycosis, pterygium, pterygium inversum unguis, Rosenau's depressions, splinter hemorrhages, telangiectasias, Terry's nails, yellow nail s. <b>systemic;</b> ataxia telangiectasia, Achard-Thiers s., IgA deficiency, metageria, POEMS s., pangeria (Werner's s.), Prader-Willi s. <b>other;</b> glossodynia, gustatory sweating, Lawrence-Seip s., malum perforans pedis, night blindness, non-thrombocytopenic purpura, orodynia, partial lipodystrophy, pathologic gustatory sweating, penile fibromatosis (Peyronie's d.), perlŦche, premature aging, rubeosis, subcutaneous fat necrosis, Talwin addiction, total lipodystrophy
dialysis	polyarteritis nodosa, pruritus
Dowling-Degos' d.	hidradenitis suppurativa, Kitamura's reticulate acropigmentation
Down s.	alopecia areata, angular cheilitis, atrophoderma vermiculata, cheilitis, elastosis perforans serpiginosa, geographic tongue, hepatitis B, leukemia, lymphoma, macroglossia, Norwegian scabies, perforating collagenosis, scabies, scrotal tongue, syringoma (eruptive)
DSAP	immunosuppressive therapy, p53, phototherapy for psoriasis, SCC
Dupuytren's d.	alcoholism, diabetes, liver disease, seizure disorders, smoking
dyskeratosis congenita	Hodgkin's d., leukemia, leukoplakia, nail dystrophy, rectal adenocarcinoma, SCC
dystrophic epidermolysis bullosa	absent nails, caries, failure to thrive, melanoma, milia, pseudosyndactyly, SCC, sepsis, scarring, scarring alopecia
EB-recessive dystrophic	SCC

eczema	ataxia telangiectasia, atopic dermatitis, Bruton's x-linked agammaglobulinemia, cardio-facio-cutaneous s., chronic granulomatous d., Dubokowitz's s., episodic lymphopenia with lymphocytotoxin, house dust mite infestation, hyper IgE s., IgA deficiency, IgM deficiency, Leiner's d., Letterer-Siwe d., leukocyte alkaline phosphatase deficiency, lymphopenic agammaglobulinemia, phenylketonuria, protein calorie deficiency, Wiskott-Aldrich s., x-linked agammaglobulinemia, x-linked immunodeficiency with elevated IgM
eczema craquele	Hodgkin's d., myxedema, stomach adenocarcinoma, zinc deficiency
eczema herpeticum	<b>atopic dermatitis</b> , burns, contact dermatitis (chronic irritant), congenital ichthyosiform erythroderma, Darier's d., Hailey-Hailey d., ichthyosis vulgaris, impetigo, mycosis fungoides, pemphigus foliaceus, pemphigus vulgaris, seborrheic dermatitis, Wiskott-Aldrich s.
elastosis perforans serpiginosa	argyria, <b>Down s., Ehlers-Danlos s., Marfan s.</b> , morphea, <b>osteogenesis imperfecta, pseudoxanthoma elasticum</b> , Rothmund-Thomson s., systemic sclerosis
elephantiasis	chromomycosis, filariasis, schistosomiasis
endocarditis	reactive angioendotheliomatosis, proliferating angioendotheliomatosis, lupus erythematosus
eosinophilic fasciitis	myeloproliferative disorders
epidermal cysts	Gardner's s.
epidermal nevus	BCC, SCC, syringocystadenoma papilliferum
epidermolysis bullosa acquisita	bronchial cancer, <b>inflammatory bowel d.</b> , lymphoma, multiple myeloma
epilepsy	juvenile xanthogranuloma, Vogt triad
eruptive xanthomas	chronic pancreatitis, hypertriglyceridemia
erysipelas	burns, eczema, edema, prior surgery, radiation therapy, tinea pedis
erythema ab igne	Merkel cell carcinoma, SCC
erythema annulare centrifugum	ascaris, autoimmune disease, blood dyscrasia, <i>Candida</i> , carcinoma, dermatophyte infection, drug sensitivity, Epstein-Barr virus, hypereosinophilic s., <i>Penicillium</i> mold sensitivity
erythema elevatum diutinum	dermatitis herpetiformis, HIV, IgA myeloma, myelodysplasia, prostate carcinoma, RA, streptococcal infection
erythema gyratum repens	<b>dermatologic:</b> ichthyosis (16%), palmar-plantar keratoderma (10%) <b>malignancy:</b> carcinoma (84%; bladder, breast, cervix, esophagus, lung, prostate, stomach), multiple myeloma
erythema multiforme	<b>infectious;</b> adenovirus, coccidioidomycosis, coxsackievirus B5, hepatitis A virus, herpes zoster, histoplasmosis, <b>HSV</b> , infectious mononucleosis, milker's nodule, mycobacteria, <b>Mycoplasma pneumoniae</b> , orf, psittacosis, septicemia (gram negative), <i>Streptococcus</i> , tuberculosis, tularemia, <i>Yersinia</i> <b>other;</b> acute GVHD, contact dermatitis, drugs, leukemia (acute), x-ray therapy
erythema nodosum	<b>bacterial;</b> <i>Campylobacter jejuni</i> , <i>Chlamydia</i> , leishmaniasis, leptospirosis, <i>Streptococcus</i> , toxoplasmosis, tuberculosis, Whipple's d., <i>Yersinia</i> <b>drugs;</b> estrogens, OCPs, sulfones <b>fungal;</b> blastomycosis, coccidioidomycosis, histoplasmosis, <i>Trichophyton</i> <b>malignancy;</b> Hodgkin's d., leukemia, post-radiated pelvic cancer <b>miscellaneous;</b> Behçet's s., Crohn's d. (2-15%), IBD, Lofgren's s., pregnancy, ulcerative colitis (4-10%), sarcoidosis <b>viral;</b> cat-scratch, HSV, mononucleosis, lymphogranuloma venereum, ornithosis, psittacosis
erythralgia (secondary)	cutaneous vasculitis, drugs, hypertension, RA, SLE
erythromelalgia	gout, heavy metal poisoning, lupus erythematosus, occlusive vascular d., polycythemia vera, neurological d., thrombocytopenia
exfoliate erythroderma	see <i>signs &amp; symptoms</i> section
familial Mediterranean fever	erysipeloid eruption, Henoch-Schönlein purpura, renal amyloidosis, urticaria, vasculitic nodules
Fanconi's s.	leukemia, SCC of mucocutaneous junction
fibrofolliculomas	Birt-Hogg-Dube s.
fibromas	Gardner's s.
follicular atrophoderma	atrophoderma vermiculata, Bazex's s., Conradi's d., keratosis follicularis spinulosa atrophicans, keratosis palmoplantaris disseminata, keratosis pilaris rubra faciei, ulerythema oophyrogenes

follicular mucinosis	mycosis fungoides, systemic lymphoma
folliculitis, perforating	acanthosis nigricans, arteriosclerosis, psoriasis
gammopathy	angioimmunoblastic lymphadenopathy, diffuse plane xanthomatosis, erythema elevatum diutinum, necrobiotic xanthogranuloma, papular mucinosis, plane xanthoma, scleromyxedema, scleredema, subcorneal pustular dermatosis
Gardner's s.	cancer (colon, GI)
geographic tongue	see glossitis, benign migratory
glaucoma	Behçet's d., nevus of Ota, Sturge-Weber s., Vogt-Koyanagi-Harada s.
glomerulonephritis	congenital lues, phenol, lepromatous leprosy, nephritogenic strains of Group A streptococcus, secondary lues, Henoch-Schönlein purpura, varicella
glossitis, benign migratory	AIDS, asthma, atopy, <b>Down s.</b> , eczema, hay fever, HLA-Cw6, LP, <b>normal persons</b> , oral lithium treatment, <b>psoriasis</b>
granuloma annulare (generalized)	carbohydrate intolerance, diabetes mellitus, HIV
granulomatous slack skin	Hodgkin's d.
Grover's d.	adhesive tape, allergic contact dermatitis, atopic dermatitis, eczema, PRP, tinea versicolor, pemphigus foliaceus
Hailey-Hailey d.	allergic contact dermatitis, SCC
Hashimoto's thyroiditis	lupus erythematosus, PSS, Sjögren's s., hypothyroidism
hematopoietic ulcers	congenital hemolytic anemia, Cooley's anemia (thalassemia major), cryofibrinogenemia, cryoglobulinemia, macroglobulinemia, polycythemia vera, sickle cell anemia, thrombocytopenic purpura
Henoch-Schönlein purpura	antiphospholipid syndrome, Behçet's disease, Berger d. (IgA glomerulonephritis), cancer (colon, bronchial, prostatic), cryoglobulinemia, drugs (ampicillin, penicillin, erythromycin, quinidine, quinine) familial Mediterranean fever, hematologic malignancies, hepatitis C, influenza vaccination, lymphoma, monoclonal gammopathy, <i>Mycoplasma pneumoniae</i> , PAN, pregnancy, rheumatoid arthritis, SLE, <b>URI</b> (Group A streptococcus, B-hemolytic streptococcus)
hepatitis	bedbug bites, Chediak-Higashi s., Down s. (more susceptible), X-linked agammaglobulinemia, generalized pustular psoriasis, pyoderma gangrenosum, lichen planus, ketoconazole treatment (rare), <i>Vibrio vulnificus</i> infection, secondary lues, benign cutaneous polyarteritis nodosa, polyarteritis nodosa, urticaria, SLE, Wegener's granulomatosis
hepatitis B	asymptomatic erythematous eruption (chronic), dermatomyositis-like, erythema nodosum, essential mixed cryoglobulinemia, leukocytoclastic vasculitis, LP, Gianotti-Crosti s., polyarteritis nodosa, pyoderma gangrenosum, serum sickness-like, urticaria
hepatitis C	erythema multiforme, leukocytoclastic vasculitis, lichen planus, lymphocytic salivary gland infiltration, mixed cryoglobulinemia (36-45%), polyarteritis nodosa, porphyria cutanea tarda,
hepatitis, chronic active	lichen planus, SLE
herpes gestationis	hydatiform moles, germ cell tumors
herpes simplex, generalized	leukemia, lymphoma, mycosis fungoides
herpes simplex, recurrent	erythema multiforme
herpes zoster	AIDS, corticosteroids, Hodgkin's disease, immunosuppressive drugs, increasing age
herpes zoster, disseminated	leukemia, lymphoma
hidradenitis suppurativa	acne (severe), amyloidosis (secondary), anemia, chronic granulomatous d., interstitial keratitis, hypoproteinemia, obesity
HIV infection	<b>infectious</b> ; bacillary angiomatosis, candidiasis, condyloma, cryptococcus, Cytomegalovirus, <i>Demodex</i> , dermatophyte, oral hairy leukoplakia, Herpes simplex, histoplasmosis, HIV exanthem, human papillomavirus, Kaposi's sarcoma, leprosy, molluscum contagiosum, <i>Mycobacterium avium</i> -intracellulare, Penicillinosis, <i>Pityrosporum</i> , scabies (crusted), <i>Pneumocystis carinii</i> (cutaneous), PRP, <i>Staphylococcus aureus</i> infection, Syphilis, tinea versicolor, Toxoplasmosis, tuberculosis, Varicella zoster <b>miscellaneous</b> ; alopecia areata, aphthous ulcers, drug reactions, eosinophilic folliculitis, GA, gingival hypertrophy, hyperalgesic pseudothrombophlebitis, periorbital ecchymosis, photosensitivity (acquired), PCT, premature graying (poliosis), trichomegaly (acquired), vitiligo

	<b>neoplastic</b> ; BCC, extramedullary plasmacytoma, lymphoma, SCC <b>papulosquamous</b> ; balanitis circinata, exfoliative erythroderma, ichthyosis (acquired), keratoderma blennorrhagicum, pityriasis rubra pilaris, psoriasis, Reiter's s., seborrheic dermatitis, thrombocytopenic purpura, xerosis <b>vascular</b> ; EED, hyperallergic pseudothrombophlebitis, lymphomatoid granulomatosis, telangiectasia, TTP, vasculitis
Hodgkin's d.	Addison's d., exfoliative dermatitis, granulomatous slack skin, herpes zoster, mycosis fungoides, pruritus, urticaria
hypereosinophilic s.	dermatographism, EAC, erythroderma, Raynaud's phenomenon, T-cell lymphoma, vasculitis
hypertrichosis lanuginosa	acanthosis nigricans-like, anorexia nervosa, cancer (bladder, breast, colon, gallbladder, lung, ovarian, pancreas, rectum, uterine), carcinoid, CLL, drugs, follicular hyperkeratosis, glossitis, ichthyosis, lymphoma, nail pitting, palmar-plantar keratoses, subungual epidermal hyperplasia
ichthyosis hystrix	aminoaciduria, anaphylaxis (to food), asthma, atopic diathesis, epilepsy, IgE elevation, impaired cellular immunity, mental retardation, skeletal abnormalities
ichthyosis vulgaris	atopic dermatitis (50%), cardio-facio-cutaneous s., hypohidrosis with heat intolerance (rare), keratosis pilaris
ichthyosis, acquired	<b>malignancies</b> ; carcinoma (breast, cervix, colon, lung), carcinomatosis, <b>Hodgkin's d.</b> , lymphoma (10%), Kaposi's sarcoma, leiomyosarcoma, multiple myeloma, mycosis fungoides, rhabdomyosarcoma <b>infectious</b> ; AIDS, HIV, HTLV-II, lepromatous leprosy <b>systemic</b> ; dermatomyositis, eosinophilic fasciitis, essential fatty acid deficiency, hemochromatosis, hyperthyroidism hypothyroidism, Kwashiorkor, malabsorption, malnutrition, mixed connective tissue d., renal failure (chronic), sarcoidosis, SLE <b>other</b> ; DEB (Cockayne-Touraine), drugs, xeroderma pigmentosa
ichthyosis, recessive X-linked	asymptomatic corneal opacities (50% adults), cryptorchidism (25%), testicular cancer
id reaction	contact allergy, fungal infection, stasis dermatitis
ILVEN	congenital skeletal deformities, internal organ malformations
immunodeficiency	alopecia, eczema, skin infection, lupus erythematosus-like
impetigo herpetiformis	hypoparathyroidism, hypocalcemia
infantile acropustulosis	scabies
inflammatory bowel d.	annular erythema, aphthous ulcers, bowel associated dermatosis-arthritis s., clubbing, cutaneous Crohn's d., epidermolysis bullosa, erythema nodosum, erythema multiforme, fistulae, granuloma, lichen planus, malnutrition, metastatic Crohn's d., pyoderma gangrenosum, urticaria, vasculitis, vitiligo
juvenile xanthogranuloma	neurofibromatosis type 1, Niemann-Pick d., seizures, urticaria pigmentosa
Kaposi's sarcoma	AIDS, angioimmunoblastic LAD with dysproteinemia
Kawasaki d.	Asians
keloids	acne, acromegaly, blacks, hyperthyroidism, pregnancy, Rubinstein-Taybi s.
keratoacanthoma	exposure to pitch & tar, HPV-16 & 37, organ transplant, smoking, sun exposure, Muir-Torre's s., xeroderma pigmentosum
keratoconjunctivitis sicca	PACK s.
keratoderma	dyskeratosis congenita, ectodermal defects, hidrotic ectodermal dysplasia, Huriez s., KID s., pachyonychia congenita (type II),
keratoderma, acquired	AIDS, dermatophyte infections, diabetes mellitus, myxedema
keratoderma, palmar and plantar	Jackson-Sertoli s. (limited plantar), PRP, psoriasis, Reiter's s., Richner-Hanhart s., S—zary s., Steijlen's s.
keratopathy	chloroquine ingestion, congenital lues
keratosis pilaris	atopic dermatitis, ichthyosis vulgaris, keratosis pilaris rubra faciei
Koebner's phenomenon in psoriasis	<b>endogenous</b> ; dermatitis, furuncles, lichen planus, lymphangitis, miliaria, PR, vitiligo, zoster <b>exogenous</b> ; abrasions, acupuncture, irritants, chemical burns, burns, contusions, electrodesiccation, excoriation, fellatio, freezing, incision, laceration, pressure, radiation, rubbing, scrapes, scratches, shaving, skin grafts, surgery, tape, tattoos, vaccinations
Kyrle's d.	congestive heart failure, diabetes mellitus, hepatic insufficiency, renal disease

lentiginos (disorders)	Peutz-Jeghers s., LEOPARD s., lentiginosis with cardiocutaneous myxomas, Touraine's centropacial lentiginosis, Tay's s., Soto's s., Ruvalcaba-Myhre-Smith s.
leukemia	ataxia telangiectasia, Bloom's s., Bruton's X-linked agammaglobulinemia, bullous pyoderma gangrenosum, Cockayne's s., Down s., ecthyma gangrenosa, erythromelalgia, gangrene, Langerhan's cell histiocytosis, Norwegian scabies, pernio, Sweet's s., urticaria, zygomycosis
leukemia (acute granulocytic)	cutaneous extramedullary hematopoiesis, neutrophilic hidradenitis, pyoderma gangrenosum (bullous hemorrhagic), Sweet's s.
leukonychia	acrokeratosis verruciformis, alopecia areata, anemia, cachectic state, carcinoid s., cirrhosis, congenital, cryoglobulinemia, Darier's d., dyshidrosis, erythema multiforme, exfoliative dermatitis, fungi, gout, Hodgkin's d., hypoalbuminemia, hypocalcemia, Kawasaki s., lead poisoning, LEOPARD s., leprosy, leukonychia striata semilunaris, malaria, pachonychia congenita, pellagra, rickettsial infection, sickle cell anemia, sulfonamides, syphilis, tuberculosis, trauma, trichinosis, ulcerative colitis, zinc deficiency
leukopenia	chickenpox, leishmaniasis, measles, RMSF, rubella, SLE
lichen planus	amebiasis, bladder infections, chronic active hepatitis, HBV, HCV, HSV-2, primary biliary cirrhosis (usually post-penicillamine therapy), syphilis, ulcerative colitis
lichen sclerosis	alopecia areata, <i>Borrelia burgdorferi</i> , diabetes mellitus, morphea, pernicious anemia, SCC, thyroid d., vitiligo
lichen simplex chronicus (2°)	atopic dermatitis, lichen planus, seborrheic dermatitis, stasis dermatitis, tinea corporis, xerosis
lichen spinulosis	arsphenamine, gold, HIV, Hodgkin's d., lichen scrofulosorum, mycotic id reactions, seborrheic dermatitis, syphilis, thallium
lipodermoid tumors	epidermal nevus s.
lipomas	Dercum's d., proteus s.
livedo	atrophie blanche, cutaneous polyarteritis nodosa, DLE, polyarteritis nodosa, PSS, rheumatoid arthritis, secondary syphilis, SLE
livedo reticularis	arterial or air emboli, arteriosclerosis, arteritis, collagen vascular disease, cryoglobulinemia, decompression sickness, DMF, dermatomyositis, dysproteinemia, hypercalcemia, hyperparathyroidism, meningococemia, PAN, pancreatitis, pheochromocytoma, pneumococcal sepsis, polycythemia vera, primary or vascular disease, RA, rheumatic fever, scleroderma, SLE, syphilis, thrombocytopenic purpura, tuberculosis
Lofgren's s.	pulmonary infections, sarcoidosis
lupus erythematosus	dermatofibroma, xeroderma pigmentosa
lupus erythematosus, neonatal	anemia, cholestatic liver disease (10%), heart block (50%), leukopenia, pneumonitis, skin disease (50%), splenomegaly, thrombocytopenia (10%)
lupus vulgaris	BCC, SCC
lymphedema	cellulitis (recurrent), congenital, postoperative, post-radiation, malignant infiltration
lymphoma	Duncan's d., hidradenitis suppurativa, hyperpigmentation, Langerhan's cell histiocytosis, Louis-Bar s., perioral dermatitis, psoriasis, reticulated erythematous mucinosis, toxic shock s.
lymphomatoid papulosis	10-20% develop MF or Hodgkin's lymphoma
Maffucci's s.	pancreatic cancer, chondrosarcoma, sarcoma
medulloblastoma	Gorlin's s.
melanoma, poor prognosis	age > 50, <b>disseminated disease</b> , increased mitotic activity, microscopic satellites, location (head, neck, trunk, hands, feet), males, ulceration
melasma	cosmetics, endocrine disease, female, hepatic disease, Hispanic, neuroleptic medications, nutrition, OCPs, ovarian dysfunction, parasitosis, pregnancy, thyroid disease
meningococemia	children < 5, military recruits, patients with complement deficiency
milia formation	acne, bullous lichen planus, congenital, dermabrasion, epidermolysis bullosa, herpes zoster, porphyria cutanea tarda, Rombo s., second degree burn, scar, sweat retention s., topical steroids
Mondor's d.	breast cancer, breast surgery, excessive physical strain, infection, RA, trauma
monilethrix	cataracts, keratosis pilaris, nail anomalies, physical retardation, syndactyly, teeth anomalies
mononucleosis	Duncan's d.,
Muir-Torre s.	colon, endometrium, GI, laryngeal cancer
multiple myeloma	alopecia, amyloidosis (primary), angioedema, cryoglobulinemia, ichthyosiform dermatitis,

	leukocytoclastic vasculitis, necrobiotic xanthogranuloma, petechiae, POEMS s., plane xanthoma, pruritus, purpura, pyoderma gangrenosum, Raynaud's, scleredema, scleromyxedema, subcorneal pustular dermatosis, Sweet's s.
multiple sclerosis	erythromelalgia, pruritus
myasthenia gravis	basaloid follicular hamartomas, chronic mucocutaneous candidiasis with thymoma, lichen planus, pemphigus erythematosus, SLE, trichoepithelioma
mycosis fungoides	actinic reticuloid, alopecia mucinosa, IgM deficiency, lymphomatoid granulomatosis, lymphomatoid papulosis, lymphomatoid pityriasis lichenoides
necrobiosis lipoidica	DM (66%)
necrolytic migratory erythema	glucagonoma (90%)
Netherton's s.	ichthyosis linearis circumflexa, lamellar ichthyosis, pili torti, trichorrhexis invaginata, trichorrhexis nodosa
neurofibromatosis I	<b>endocrine</b> ; acromegaly, cretinism, diabetes, gynecomastia, hyperparathyroidism, hyperthyroidism, hypothyroidism multiple endocrine adenomatosis, pheochromocytoma, precocious puberty, <b>neoplasms</b> ; acoustic neuroma, AML, astrocytoma, CML, ependymoma, fibrosarcoma, glioma (optic nerve), nephroblastoma, neurofibrosarcoma, ocular melanoma, rhabdomyosarcoma, schwannoma <b>neurological</b> ; deafness, exophthalmos, macrocephaly, mental retardation, seizures, speech impediments <b>skeletal</b> ; kyphosis, pseudoarthrosis, scoliosis, short stature
neurofibromatosis type II	central neurofibromatosis; bilateral acoustic neuromas
neuroma, mucosal	Sipple's s.
neutrophilic eccrine hidradenitis	AML (100%), breast cancer, chemotherapy (myelomonocytic leukemia), GU tumors, Hodgkin's d., HIV, lung cancer, non-Hodgkin's lymphoma, osteosarcoma, teratoma, testicular carcinoma
nevi	NAME s.
nevi, blue	cardiac myxoma, LAMB s., lentigines, nodular mastocytosis
nevi, connective tissue	Buschke-Ollendorff s., elastosis perforans serpiginosa, pseudoxanthoma elasticum
nevi, elastin	Buschke-Ollendorff s., elastosis perforans serpiginosa, isolated, pseudoxanthoma elasticum
nevi, linear epidermal	proteus s.
nevoid basal cell s.	astrocytoma, craniopharyngioma, fibrosarcoma, medulloblastoma, meningioma
nevus anemicus	neurofibromatosis
nevus comedonicus	BCC, benign eccrine tumors, follicular tumors, trichilemmal cyst
nevus flammeus	Klippel-Trenaunay-Weber s., Sturge-Weber s.
nevus of Ota	intracranial melanoma, meningeal melanoma
nevus sebaceous	BCC, sebaceous carcinoma, syringocystadenoma papilliferum, syringoma, trichilemmoma
nevus, halo	dysplastic nevi, melanoma, pernicious anemia, poliosis, vitiligo (20%), Vogt-Koyanagi-Harada s.
ochronosis	alkaptonuria
oral cancer	alcoholism, betel nut, iron deficiency, reverse smoking, smoking, syphilitic glossitis, wine
osteolysis	acne fulminans, juvenile hyaline fibromatosis, PSS, systemic nodular panniculitis (Weber-Christian), xanthoma disseminatum
osteoma cutis	Albright's s., basal cell epithelioma, dermatomyositis, inflammatory diseases, intradermal nevi, mixed tumor of the skin, primary from childhood, scars, scleroderma
osteomyelitis	congenital syphilis, diabetic foot ulcer, mycetoma (Madura foot), secondary syphilis, tertiary lues
osteoporosis	progeria
otitis media	Langerhan's cell histiocytosis
pachyonychia congenita	Sch←fer's s.
Paget's d.	breast cancer (95%)
Paget's d., extramammary	carcinoma-breast, colon, genitourinary (10%), sweat gland carcinoma (10%)
panniculitis	<b>infection</b> ; actinomycosis, blastomycosis, <i>Campylobacter</i> colitis, cat scratch d., <i>Chlamydia</i> , chromomycosis, coccidioidomycosis, cryptococcosis, gonorrhea, histoplasmosis, leprosy, lymphogranuloma inguinale, mononucleosis, mycetoma, ornithosis, <i>Salmonella</i> , <i>Shigella</i> ,

	sporotrichosis, streptococcal, syphilis, trichophytosis, tuberculosis, <i>Yersinia</i> <b>other</b> ; Behçet's d., carcinoma, Crohn's d., drugs, erythema nodosum, fasciitis with eosinophilia, Hodgkin's d., leukemia, necrobiosis lipoidica, OCPs, periarteritis nodosa, pregnancy, sarcoidosis, sarcoma, Sweet's s., ulcerative colitis
papillomas, multiple (perioral and mucous membrane)	Goltz s.
papular mucinosis	eosinophilia-myalgia s., neurologic abnormalities, polyarthritis, proximal myopathy
parakeratosis, shoulder	parakeratotic aggregations at follicular infundibula; seborrheic dermatitis
paronychia	acrodermatitis enteropathica, enchondroma, histiocytosis X, mucocutaneous candidiasis, multicentric reticulohistiocytosis, occupations, pemphigus, progressive systemic sclerosis, psoriasis, Reiter's s., retinoids, Rubinstein-Taybi s., Stevens-Johnson s., SLE, yellow nail s.
pellagra	alcoholism, carcinoid, corn diet, drugs, eating disorder, GI bypass surgery, Hartnup d.
pemphigus erythematous	bronchial carcinoma, LE, myasthenia gravis with malignant thymoma
pemphigus foliaceus	<b>precipitating factors</b> : emotional stress, fatigue, heat, menstruation, sunlight
pemphigus vulgaris	Ashkenazi Jews, colon cancer, Hodgkin's d., Kaposi's sarcoma, lymphoma, myasthenia gravis, thymoma (<5%)
pemphigus, paraneoplastic	breast cancer, CLL, Castleman's d., non-Hodgkin's <b>lymphoma</b> (90%), thymoma, spindle cell neoplasms, Waldenstrom's macroglobulinemia
peptic ulcer d.	telangiectasia macularis eruptive perstans
pernio	Northern Europeans, myelomonocytic leukemia (elderly)
Peutz-Jeghers s.	GI cancer
pheochromocytoma	neurofibromatosis, Sipple's s., von Hippel-Lindau s.
piebaldism	heterochromia irides, Hirschsprung's d., MR, osteopathia striata, Woolf's s., Ziprowski-Margolis s.
pityriasis amantacea	psoriasis, seborrheic dermatitis
pityriasis lichenoides	HIV, streptococcal pharyngitis, <i>toxoplasma gondii</i>
pityriasis rubra pilaris	HIV
<i>Pityrosporum ovale</i>	achromia parasitica, confluent & reticulated papillomatosis of Gougerot & Carteaud, obstructive dacryocystitis, seborrheic dermatitis, <b>tinia versicolor</b>
Plummer-Vinson s.	SCC (mouth, pharynx, esophagus) 10%
poikiloderma vasculare atrophicans	acrodermatitis chronica atrophicans, arsenism, dyskeratosis congenita, Fanconi's s., Kindler's s., large plaque parapsoriasis, lupus erythematosus, poikiloderma congenitale, Werner's s., xeroderma pigmentosum
polyarteritis nodosa	allergic hyposensitization, drug reaction, familial Mediterranean fever, hairy cell leukemia, <b>HBV</b> (chronic), HIV, inflammatory bowel disease, lymphoreticular malignancies, methamphetamine abuse, mixed cryoglobulinemia, parvovirus B19, post-infectious serous otitis, post-streptococcal B infection, RA, SLE, trichinosis
polycystic ovaries	Stein-Leventhal s.
polymyositis	Sjögren's s.
pompholyx (dyshidrotic eczema)	atopy, nickel allergy (26%)
porokeratosis of Mibelli	BCC, Bowen's d., SCC
porphyria cutanea tarda	carcinomatosis, cirrhosis, diabetes mellitus, drugs, <b>EtOH</b> , <b>HCV</b> , hemochromatosis, <b>hepatoma</b> , <b>HIV</b> , Hodgkin's d., lupus erythematosus, lymphoma, polychlorinated aromatic hydrocarbons, reticuloendotheliomatosis
progressive systemic sclerosis	dysphagia, esophageal stricture, hypothyroidism, pericarditis, pulmonary fibrosis, Raynaud's phenomenon, Sjögren's s.
pseudolymphoma, B-cell	borreliosis
pseudolymphoma, T-cell	allergic contact dermatitis, drug allergy (phenytoin)
pseudoporphyria	furosemide, hemodialysis, nalidixic acid, naproxen, NSAIDs, pyridoxine, tetracycline
pseudoxanthoma elasticum	angioid streaks (85%), elastosis perforans serpiginosa
pseudoxanthoma elasticum,	angioid streaks of eye (rare), hypertension, obesity

perforating	
psoriasis	antimalarials, Crohn's d. (1.6x), diabetes, eczema, gouty arthritis, heart failure, HIV, hypertension, IBD, lichen planus, lichen simplex chronicus, obesity, oropharyngeal infections, seborrheic dermatitis, smoking, stress, ulcerative colitis (3.8x) <b>reduced incidence;</b> allergic contact dermatitis, atopic dermatitis, bacterial & viral skin infections, urticaria
psoriasis, erythrodermic	antimalarials, B-blockers, corticosteroids, infection, lithium, NSAIDs, phototoxic erythema
psoriasis, guttate	$\beta$ -hemolytic streptococcal ( <i>S. pyogenes</i> ) throat infection (up to 85%), drug eruption
psoriasis, pustular (von Zumbusch)	arthropathy, HLA-B27, hypoalbuminemia (with 2° hypocalcemia), infections, lithium, OCPs, <b>pregnancy, steroid withdrawal</b>
psoriatic arthritis, juvenile	chronic anterior uveitis
psychocutaneous dermatoses	alopecia areata, automutilation, dermatitis artefacta, dermatothlasia, dysmorphic disorder, factitial syndromes, lichen simplex chronicus, neurotic excoriation, prurigo nodularis, psychogenic pruritus, psychogenic purpura, telogen effluvium trichotillomania, trigeminal trophic s.
pustular eruption	acetaminophen, amoxicillin, ampicillin, calcium channel blockers, carbamazepine, cefaclor, erythromycin, imipenam, nifedipine, ofloxacin, penicillin, quinidine
pustulosis palmaris et plantaris	heavy smokers, high humidity & temperature, thyroid abnormalities, tonsillitis
pyoderma gangrenosum	chronic active hepatitis, <b>IBD</b> (Crohn's d.-16%, ulcerative colitis-15%), <b>leukemia</b> (10%), immunodeficiency, monoclonal gammopathy, myelofibrosis, myeloid metaplasia, myeloma, paraproteinemia, polycythemia vera, primary biliary cirrhosis, <b>RA</b> , sarcoid, SLE, Takayasu's arteritis
pyoderma gangrenosum, bullous hemorrhagic	myelogenous leukemia (80%)
pyoderma vegetans	ulcerative colitis
pyogenic granuloma	pregnancy
pyostomatitis vegetans	50-70% associated with IBD
radiodermatitis	BCC, fibrosarcoma, malignant fibrous histiocytoma, SCC
Raynaud's phenomenon	<b>connective tissue;</b> CREST s., dermatomyositis, mixed connective tissue d., PAKK s., <b>PSS</b> , rheumatoid arthritis, scleroderma, Sjögren's s., SLE <b>hematologic;</b> cold agglutinins, cryoglobulinemia, dysproteinemia, multiple myeloma, panarteritis nodosa, paroxysmal hemoglobinuria, thrombosis, thrombotic thrombocytopenic purpura, Wegener's granulomatosis <b>medicine;</b> $\beta$ -adrenergic blockers, cancer chemotherapy, ergots, heavy metal <b>miscellaneous;</b> bowel bypass s., electrical shock, endocarditis (subacute bacterial), hypereosinophilic s., pilomatrixoma <b>neurologic;</b> carpal tunnel s., cervical rib s., CNS disease, multiple sclerosis, shoulder girdle compression s., thoracic outlet s. <b>occupational;</b> occupational trauma, pneumatic hammer use, vibrating machinery, vinyl chloride exposure <b>systemic;</b> carcinoma, cirrhosis, hypothyroidism, lymphosarcoma, malaria, morphea (generalized) <b>vascular;</b> arterial embolism, arteriosclerosis obliterans, Buerger's d., coronary artery d.
reticular erythematous mucinosis	carcinoma (colon, breast), diabetes mellitus, hyperthyroidism, hypothyroidism, thrombocytopenic purpura
rheumatoid arthritis	bullous pemphigoid, cicatricial pemphigoid, dermatitis herpetiformis, epidermolysis bullosa acquisita, erythema elevatum diutinum, Felty's s. (1%), livedo vasculitis, nail ridging & beading, pemphigus foliaceus, pemphigus vulgaris, pyoderma gangrenosum, Sjögren's s., subcorneal pustular dermatosis, yellow nail s.
sarcoidosis	Addison's d., carcinoma, cataracts, glaucoma, Heerfordt s., Lofgren's s., papilledema, thyroid d., uveitis, vitiligo
sarcomas	Maffucci's s.
scabies, crusted (Norwegian)	leukemia, lymphoma
schizophrenia	acrocyanosis

scleredema	DM with CAD, monoclonal gammopathy, multiple myeloma, streptococcal infection
scleroderma	Sjögren's s., Werner's s.
seborrheic dermatitis ( <i>see also eczema</i> )	AIDS, denervation, diabetes mellitus, HIV infection, Leiner's d., neuroleptic drugs, Parkinson's d., seizures, sprue
seborrheic keratoses	Hermansky-Pudlak s.
serum sickness	antithymocyte globulin, streptokinase
serum sickness-like	penicillin, sulfa
sickle cell anemia	leg ulcers, melanosis (legs)
Sjögren's s.	B-cell lymphoma (44x), hypereosinophilic s., necrotizing vasculitis, polyarteritis nodosa, polymyositis, RA, Raynaud's phenomenon, scleroderma, SLE, Sweet's s.
Sjögren's s., secondary	cirrhosis (primary biliary), Hashimoto's thyroiditis, hepatitis (chronic active), polyarteritis nodosa, polymyositis, RA, scleroderma, SLE
skin tags	obesity, pregnancy
Sneddon-Wilkinson d.	apudoma, CD30 + anaplastic large cell lymphoma, Crohn's d., hyperthyroidism, <b>IgA paraproteinemia, IgA myeloma</b> , IgG paraproteinemia, <i>Mycoplasma pneumoniae</i> infection, non-small cell lung carcinoma, pyoderma gangrenosum, RA, ulcerative colitis
spider nevus	alcoholism, chronic liver d., estrogens, OCPs, pregnancy, RA, thyrotoxicosis
spindle cell tumors	Danoff s.
squamous cell carcinoma	<b>dermatologic</b> ; acrodermatitis chronica atrophicans, acrokeratosis verruciformis, actinic keratosis, balanitis xerotica obliterans, cheilitis glandularis, chronic sinus tract, cutaneous horn, discoid lupus erythematosus, DSAP, dyskeratosis congenita, dystrophic epidermolysis bullosa, epidermal inclusion cyst, epidermal nevus, epidermodysplasia verruciformis, epidermolysis bullosa, epidermal inclusion cyst, epidermal nevus, erosive lichen planus (?), erythroplakia, hidradenitis suppurativa, leg ulcers, leukoplakia, lichen planus (chronic oral, hypertrophic), lichen sclerosis, <b>light skin color</b> , linear porokeratosis, luetic interstitial glossitis, lupus vulgaris, necrobiosis lipoidica, nevus sebaceous, perifolliculitis capitis abscondens et suffodiens, porokeratosis of Mibelli, PSS, rhinoscleroma, seborrheic keratosis, speckled leukoplakia, submucosal fibrosis, tropical ulcer, tylosis, wart, warty dyskeratoma, xeroderma pigmentosa, Zinsser-Engman-Cole s. <b>exposure</b> ; arsenic keratosis, betel nut chewing, burn wounds, mineral oils, nicotine stomatitis, paraffin, radiation dermatitis, radiotherapy, radon contaminated rings, snuff dipping, <b>sun</b> , thermal burns, thermal keratosis <b>infectious</b> ; condyloma acuminata, granuloma inguinale, oral florid papillomatosis, osteomyelitis, yaws ulcers (tertiary disease) <b>neoplastic</b> ; Bowen's d., erythroplasia of Queyrat, Merkel cell carcinoma, Paget's d., proliferating pilar tumor <b>other</b> ; Fanconi's d., Hermansky-Pudlak s., Huriez s. (dorsal hands), KID s., Plummer-Vinson s., Rothmund-Thomson s.
squamous cell carcinoma, oral	betel nut chewing, dyskeratosis congenita, EtOH, tobacco use
stasis dermatitis	autoeczematization, lichen simplex chronicus
status cosmeticus	benzoic acid, bronopol, cinnamic acid, dowicil 200, formaldehyde, fragrance, lactic acid, nonionic emulsifiers, propylene glycol, quaternary ammonium compounds, sodium lauryl sulfate, sorbic acid, sunscreen agents, urea
Stevens-Johnson s.	<i>see erythema multiforme</i>
striae distensae	Marfan s.
subcorneal pustular dermatosis	monoclonal gammopathies, myeloma, pyoderma gangrenosum
subcutaneous fat necrosis	pancreatic carcinoma, pancreatitis, pancreatic pseudocyst
Sweet's s.*	adenocarcinoma (breast, prostate, rectum), ALL, <b>AML</b> (10-20%), acute myelomonocytic leukemia, Behçet's d., CLL, CML, erythema nodosum, IBD, LE, leukemia (hairy cell), lymphoma, monoclonal gammopathy, myelodysplastic s., myeloma, pregnancy, RA, Sjögren's s., sarcoidosis, carcinoma (gastric, ovarian , testes), URI, vaccinations
syringoma, eruptive	Down s.

systemic lupus erythematosus	anticardiolipin Ab s., IgA deficiency s., Sjögren's s.
telogen effluvium	heparin, OCPs
temporal arteritis	polymyalgia rheumatica (50%)
thrombocytopenia	Kasabach-Merritt s., Letterer-Siwe d., SLE, strawberry angiomas, Wiskott-Aldrich s.
thrush (adults)	advanced cancer, AIDS, broad spectrum antibiotics, cytotoxic therapy, <b>dentures</b> , diabetes mellitus, hematologic malignancy, radiation, systemic corticosteroids, thymoma
thymoma	chronic mucocutaneous candidiasis, Good's s., lichen planus (esp. oral), myasthenia gravis, pemphigus erythematosus, pemphigoid, SLE
thyroiditis	chronic mucocutaneous candidiasis, IgA deficiency, IgM deficiency
tinea versicolor	Cushing's d., diabetes mellitus, herpes gestationis, ichthyosis, immunosuppression, malnutrition, OCPs, pregnancy, systemic steroids
toxic epidermal necrolysis	Crohn's d., drugs, GVH, HIV infection, leukemia, lymphoma, SLE
trichoepitheliomas	Brooke-Spiegler s.
tuberous sclerosis	cardiac rhabdomyoma, cystic fibromatosis (lung), pheochromocytoma, renal hamartoma, sarcoma
ulcerative colitis	erythema nodosum, IgA deficiency, lichen planus, oral aphthae, pyoderma gangrenosum, pyodermite vegetante of Hallopeau, rheumatoid arthritis, vesiculopustular eruption
ulcers	chromate workers, congenital sensory neuropathy, malum perforans pedia, neuropathies
ulcers, lower extremity	abdominal surgery, CHF, diabetes insipidus, diabetes mellitus, hypogonadism, injury, Klinefelter's s., prolidase deficiency, thrombophlebitis
unilateral nevoid telangiectasia	chronic alcoholic liver d. (men), cirrhosis, congenital, estrogen therapy, idiopathic, pregnancy
urticaria ( <i>see allergy section</i> )	amebiasis, bullous pemphigoid, carcinoma, cold hemolysins, contactants, cryoglobulins, dermatomyositis, drugs, erythema multiforme, EPP (solar urticaria), foods, inhalants, internal disease, juvenile RA, leukemia, lymphoma, physical factors, polymyositis, psychogenic, rheumatic fever, Schönlein-Henoch s., serum sickness, SLE, Sjögren's s., TEN, vasculitis (necrotizing)
vasculitis	bacterial endocarditis, bowel-bypass s., mixed cryoglobulinemia, photocopy paper fumes <b>antigens</b> ; endogenous antigens (DNA, RF binding to IgG), foods, food additives, infections (hepatitis A, B, C), medications (allopurinol, aminopenicillins, hydantoins, penicillin, propylthiouracil, pyrazolones, sulfonamides, thiazides), proteins (serum sickness), tumor antigens (lymphoreticular or hematopoietic)
vasculitis, cutaneous small vessel	adult T-cell leukemia, AIDS, Behçet's d., bowel bypass s., cancer (breast, colon, head and neck, lung, prostate, renal), cryoglobulinemia, cystic fibrosis, HIV, Hodgkin's d., hyperglobulinemic states, lymphosarcoma, multiple myeloma, mycosis fungoides, primary biliary cirrhosis, RA, Sjögren's s., SLE, ulcerative colitis
vasculitis, leukocytoclastic	<b>drugs &amp; chemicals</b> : allopurinol, aspirin, herbicides, insecticides, iodides, penicillin, petroleum products, phenacetin, propylthiouracil, quinidine, sulfonamides <b>infections</b> : candidiasis, cytomegalovirus, hepatitis (A, B, C), histoplasmosis, influenza, mononucleosis, <i>Mycobacterium tuberculosis</i> , streptococcus B <b>malignancy</b> : CLL, hairy cell leukemia, histiocytic lymphoma, Hodgkin's d., multiple myeloma, solid tumors <b>systemic disease</b> : biliary cirrhosis, chronic active hepatitis, hemolytic anemia, mixed cryoglobulinemia, ulcerative colitis
vasculitis, nodular	large calves, livedo, tuberculosis
vasculitis, urticarial	EBV, fluoxetine, HBV, HCV, IgA multiple myeloma, IgM gammopathy, infectious mononucleosis, metastatic testicular teratoma, mixed cryoglobulins, relapsing polychondritis, Schnitzler's s., serum sickness, Sjögren's s., SLE (especially in hypocomplementemic)
vesicobullous eruption of chronic inflammatory d.	AIDS (with mycobacterial infection), Behçet's d., myeloproliferative disease, RA (severe), Sweet's s., ulcerative colitis
vitiligo	<b>dermatologic</b> : alopecia areata, atopic dermatitis, balanitis xerotica obliterans, halo nevus, Kaposi's sarcoma, leukotrichia, lichen planus, lichen sclerosis, lichen simplex, malignant melanoma, morphea, premature gray hair, progressive systemic scleroderma, psoriasis, Vogt-Koyanagi s. <b>systemic</b> : Addison's d. (2%), AIDS, asthma, ataxia telangiectasia, auditory defects (congenital),

	biliary cirrhosis, Bourneville's s., candidiasis (mucocutaneous), common variable immunodeficiency s., diabetes mellitus, Down s., GI malignancy, hypoparathyroidism, IgA deficiency, infection, inflammatory bowel disease, <b>iritis</b> , lymphoma, Maffucci's s., myasthenia gravis, pernicious anemia, RA, stress, sunburn, Tay's s., trauma <b>thyroid d.:</b> Graves' d., hyperthyroidism, hypothyroidism, thyroiditis, toxic goiter
vitiligo, facial	Alezzandrini's s.
vitiligo, universal	multiple endocrine neoplasia s.
Von Hippel-Lindau d.	hypernephroma, pheochromocytoma
warty dyskeratoma	immunosuppressive therapy, tobacco chewing
Werner's s.	fibrosarcoma, leiomyosarcoma, meningioma
Wiskott-Aldrich s.	astrocytoma, leiomyosarcoma, leukemia, lymphosarcoma, reticulum cell sarcoma
xanthelasma	apo-E2 phenotype, atherosclerosis, cerebrotendinous xanthomatosis, familial dysbetalipoproteinemia type III, familial hypercholesterolemia, hepatic cholestasis, hyperapobetalipoproteinemia, <b>normolipemic</b> (50%), polygenic hypercholesterolemia, $\beta$ -sitosterolemia, sporadic hypercholesterolemia
xanthoma disseminatum	diabetes insipidus (33%)
xanthoma striatum palmare	biliary cirrhosis, diabetes mellitus, hyperlipoproteinemia type III & IV
xanthoma, diffuse plane	cryoglobulinemia, eosinophilic granulomatosis, leukemia, lymphoma, monoclonal gammopathy, <b>multiple myeloma, paraproteinemia</b> , rheumatoid arthritis
xanthoma, eruptive	<b>diabetes mellitus, estrogen, EtOH</b> , familial hyperlipoproteinemia type V, familial hypertriglyceridemia, hypothyroidism, isotretinoin, lipoprotein lipase deficiency, myxedema, nephrotic s., pancreatitis, Von Giercke's d.
xanthoma, intertriginous	homozygous familial hypercholesterolemia (pathognomonic)
xanthoma, palmar crease	familial dysbetalipoproteinemia type III (pathognomonic)
xanthoma, tendinous	$\beta$ -sitosterolemia, cerebrotendinous xanthomatosis, diabetes mellitus, <b>heterozygous familial hypercholesterolemia</b> , homozygous familial hypercholesterolemia, hyperapobetalipoproteinemia, myxedema, obstructive liver d.
xanthoma, tuberous	hyperlipoproteinemia type II & III
xanthomas	atherosclerosis, biliary disease, CTCL, diabetes mellitus, hypothyroidism, leukemia, lymphedema, lymphoma, multiple myeloma, pancreatitis, renal disease
xeroderma pigmentosum	AK, BCC, lacrimation, leukemia, melanoma, mental retardation, neurological disease, photophobia, SCC