

Hair

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alopecia areata	acrodermatitis enteropathica, Addison's d., adrenal d., Alezzandrini's s., asthma, atopic dermatitis, connective tissue d., diabetes mellitus, <i>Candida</i> endocrinopathy s., Down s., Hashimoto's thyroiditis, LP, LE, myasthenia gravis, pernicious anemia, polymyalgia rheumatica, RA, stress, thyroid d. (8-12%), ulcerative colitis, vitiligo, Vogt-Koyanagi s.
alopecia universalis	loss of all body hair; alopecia areata, exfoliative erythroderma
alopecia, cicatricial	acne keloidalis, CTCL, dissecting cellulitis of the scalp, DLE, dystrophic epidermolysis bullosa (Hallopeau-Siemens), folliculitis decalvans, Graham-Little s., Gunther's d., hemochromatosis, ichthyosis (congenital erythrodermic), lichen planopilaris, lupus pernio, metastatic disease, mixed inflammatory scarring alopecia, Parry-Romberg s., PCAS, PCT, pseudopelade, PSS, pustular psoriasis, scleroderma, traction alopecia, ulcerative lichen planus, Vohwinkel's s.
alopecia, moth eaten	secondary syphilis
alopecia, noncicatricial	acrodermatitis enteropathica, AIDS, alopecia areata, biotin deficiency, Clouston's s., Cronkhite-Canada s., dermatomyositis, erythroderma, follicular eczema, follicular mucinosis, Hodgkin's d., IFAP s., KID s., lipoid proteinosis, lupus erythematosus, multiple carboxylase deficiency, Olmsted's s., PRP, psoriasis, Rothmund-Thomson s., Satoyoshi's s., Sezary's s., sprue, Vogt-Koyanagi-Harada s., zinc deficiency
alopecia, patchy	lipoid proteinosis
alopecia, primary scarring; lymphocyte associated	alopecia mucinosa, discoid lupus, lichen planopilaris, pseudopelade of Brocq
alopecia, primary scarring; pustulofollicular	acne keloidalis nuchae, dissecting cellulitis of scalp, erosive pustular dermatosis of the scalp, favus, folliculitis decalvans, kerion, tinea capitis
alopecia, primary scarring; vesiculobullous	cicatricial pemphigoid, epidermolysis bullosa
anagen effluvium	boric acid intoxication, colchicine, mercury intoxication, protein malnutrition, radiation therapy, systemic chemotherapy, thallium poisoning
anagen/telogen ratio, decreased	alopecia areata
atrachia	AD, alopecia areata, alopecia-onychodysplasia-hypotrichosis s., AR, atrichia with papular lesions, Baraitser's s., CL, demotrichic s., ectodermal dysplasia with severe MR, Hayden's s., Jeanselme and Rime hypotrichosis, Marie-Unna hypotrichosis, Mendes da Costa s., Moynahan's s., odonto-onychodysplais with alopecia, Perniola's s., Shokeir's s., Silvestrini-Corda s., Steijlen's s., Tricho-onychodysplasia with xeroderma, Wilson's s.
balance beam alopecia	pressure alopecia in gymnasts
bamboo hair	ball & socket deformity-trichorrhexis invaginata; Netherton's s.
bayonet hair	acquired pigmented nodal swelling of hair shaft
beaded hair	monilethrix
black dot hair	appearance with fungal infection; <i>Trichophyton tonsurans</i> , <i>Trichophyton violaceum</i>
brittle hair	BIDS s., IBIDS s., Sabinas s., Shapira's s.
broomstick eyelashes	unruly fine eyelashes; kwashiorkor
bubble hair	acquired open areas of hair shaft; hair dryer induced
coarse hair	de Lange s., Rapp-Hodgkin s.,
corkscrew hairs	wound hairs of lower extremities; scurvy, vitamin C deficiency
doll's hair	follicular convergence; lichen planopilaris
ectothrix	fungal arthrospores surrounding hair shaft; <i>Microsporum andouinii</i> , <i>M. canis</i> , <i>M. ferrugineum</i> , <i>M. gypsum</i> , <i>M. phanum</i> , <i>Trichophyton verrucosum</i> , <i>T. mentagrophytes</i>
endothrix	fungal spores growing within hair shaft; <i>Trichophyton tonsurans</i> , <i>T. violaceum</i>
exclamation point hairs	shortened hair from fracture at weak points, distal broader than proximal; alopecia areata
exclamatory hair	tapering proximal hair shaft; anagen effluvium
eyebrow aplasia	anhidrotic ectodermal dysplasia, atrichia congenita, isolated familial characteristic,

	keratosis pilaris atrophicans, KID s., monilethrix, oculomandibular dysostosis, oculovertebral dysplasia, pili torti, polydysplastic epidermolysis bullosa, progeria, Rothmund-Thomson s., Tietze's s.
eyebrow confluence	Cornelia de Lange s., hypertrichosis lanuginosa, isolated familial characteristic, Kwashiorkor, Waardenburg's s.
eyebrow hair loss	alopecia areata, atopic dermatitis, follicular mucinosis, Graham-Little-Feldman s., hypothyroidism, leprosy, myxedema, Netherton's s., progeria, Rapp-Hodgkin s., retinoids, secondary syphilis, Tietze's s., trichotillomania, ulerythema oophyrogenes
eyebrow hypertrophy	Cornelia de Lange's s., Hurler's s., hypertrichosis lanuginosa, idiopathic gingival fibromatosis and hypertrichosis, isolated familial characteristic, trichomegaly
eyelash hypertrophy	AIDS, trichomegaly
flag sign	bands of light & dark dyspigmented hair; kwashiorkor
forelock, white	piebaldism, poliosis with multiple malformations, Waardenburg's s., Woolf's s.
gray hair, premature	ataxia telangiectasia, B12 deficiency, Book's s., coup de sabre, Chediak-Higashi s., Fisch's s., prolidase deficiency, Rothmund-Thomson s., Seckel's s., vitiligo, Waardenburg's s., Werner's s.
gray patch	discrete, gray, lusterless hair; tinea capitis
Hertogh's sign	lateral thinning of eyebrow hair; atopic dermatitis, hypothyroidism
hirsutism	anorexia, cancer (ovary, testicular), congenital, Cushing's s., dermatomyositis, Donohue's s., hypothyroidism, malnutrition, medications, Sanfilippo's s., severe head injury, Stein-Leventhal s. (polycystic ovaries)
hyperthyroidism	alopecia areata, hair shedding, thyroid disease
hypertrichosis, generalized	acquired: acrodynia, acromegaly, anorexia nervosa, Cushing's s., dermatomyositis (juvenile), diabetes mellitus, drugs, head injury, hyperostosis interna, hypothyroidism, idiopathic gingival fibromatosis and hypertrichosis, malabsorption s., multiple sclerosis, PCT, POEMS s., post encephalitis, schizophrenia congenital: Ambras s., Coffin-Siris s., congenital generalized hypertrichosis, congenital hypertrichosis lanuginosa, congenital macrogingiva & giant fibroadenomas, Cornelia de Lange's s., DEB-Cockayne Touraine, erythropoietic protoporphyria, faun tail, fetal alcohol s., generalized smooth muscle hamartoma, Gorlin's s., Gunther's d., hepatoerythropoietic porphyria, hereditary gingival fibromatosis/hypertrichosis, Hurler's s., hyperkinetic circulatory disorder, Lawrence-Seip s., leprechaunism (Donohue's s.), LSA in female children, melorheostosis, neurofibromatosis, osteochondrodysplasia with hypertrichosis, PCT, POEMS s., PSS, Schinzel-Giedion s., stiff skin s., total lipodystrophy, variegate porphyria
hypertrichosis, localized	acquired: Becker's nevus, bites, burns (periphery), chickenpox, chronic osteomyelitis, congenital AV fistula, denervated areas, HIV (eyelashes), immunization sites (smallpox, diphtheria-tetanus), insect bites, irritants, lichen simplex, lymphedema, melorheostotic scleroderma, osteosclerotic myeloma, post morphea, pressure, stasis, sympathetic dystrophy, trauma, under casts congenital: congenital smooth muscle hamartoma, diastematomyelia, hairy elbows, hairy pinna, pigmented nevus, spina bifida, spina bifida occulta, trichomegaly, traction, Winchester s.
hypomelanosis	Book s, Down s., Fanconi's s., Hallermann-Streiff s., myotonic dystrophy, Pierre-Robin s., progeria, Rothmund-Thomson s., Seckel's s., Treacher-Collins s., tyrosinuria, Werner's s.
hypopigmentation	phenylketonuria
hypotrichosis (<i>see pili torti & trichoschisis</i>)	argininosuccinicaciduria, cartilage hair hypoplasia, ectodermal dysplasia, Hallermann-Streiff s., Jeanselme & Rime hypotrichosis, Kalin's s., lipid proteinosis, Marie-Unna hypotrichosis, regional choridal atrophy & alopecia, Rombo s., Schopf-Schulz-Passarge s. nutritional deficiency: biotin, calorie malnutrition, essential fatty acid, Hartnup d., homocytinuria, protein, zinc
IBIDS s.	birefringence of hair, pili torti, sparse hair, trichorrhexis nodosa, trichoschisis
loose anagen s.	hair shedding; absent root sheath, normal anagen bulb, ruffled cuticle

lupus hairs	short, fractured hairs from increased hair fragility; LE
Maria-Unna hereditary hypotrichosis	AD; sparse, absent at birth, wiry hair in childhood, variable loss at puberty; twisting, longitudinal ridging, cuticle peeling
melanin casts	amorphous intrafollicular deposits of melanin pigment
monilethrix	AD, AR; mutation in hair keratin hHb6, type II keratin genes, hHb1, chromosome 12q13 keratin cluster; elliptical nodes on hair shaft
moth-eaten hair	patchy alopecia; syphilis
ophiasis pattern	periphery of scalp with hair loss; alopecia areata
pili annulati	AD, sporadic; alternating bright & dark bands of hair shaft
pili bifurcati	division of hair into two hair shafts; congenital, damaged hair, pseudopelade, pili torti, trichotillomania
pili canaliculi	grooved hair; trichothiodystrophy AKA spun glass hair, uncombable hair, triangle hair
pili multigemini	multiple buds within hair follicle
pili spinulosis	dilated pore containing multiple tufted white hairs; eruptive hair cysts, keratosis pilaris, seborrheic keratosis
pili torti	twisted, tort hair; arginosuccinicaciduria, arthrogryposis & ectodermal dysplasia, Bazex's s., Björnstad's s., citrullinemia, Conradi-Hunermann chondrodysplasia punctata, Crandall's s., ectodermal dysplasia with syndactyly, etretinate, hypohidrotic ectodermal dysplasia, isotretinoin, Menkes' kinky hair s., monilethrix, Netherton's s., PIBIDS s., pili canaliculis, pili torti & enamel hypoplasia, pseudomonilethrix, Salamon's s., Salti-Salem s., striate keratoderma, Tay's s., tricho-odontonychia dysplasia with pili torti, trichorrhexis nodosa, trichothiodystrophy
pili torti; AD	AD; flattened, twisted hair shaft; citrullinemia, dental & ocular abnormalities, ichthyosis, keratosis pilaris, sensorineural deafness, trichothiodystrophy
Pohl-Pinkus marks	hair shaft constrictions, acquired trichodystrophy; antimetabolic drugs, emotional stress, systemic d.
premature graying	antimalarial ingestion, ataxia telangiectasia, B12 deficiency, chloroquine ingestion, Cockayne's s., dystrophia myotonia, prolidase deficiency, pernicious anemia, pangeria, progeria, poikiloderma congenitale
pseudo pili annulati	non-hereditary, no hair shaft cortex abnormality, alternately flattened hair shaft
pseudomonilethrix	irregular flattened & expanded hair shaft; compressed overlapping hairs, trauma
pull test	gentle traction at base of 25-50 terminal hairs; loss of 2-3 hairs per pull is pathologic
silver color hair	Chediak-Higashi s., Elejalde s., Griscelli s., Hermansky-Pudlak s., infantile sialic acid storage d., Menkes kinky hair s., Riyadh chromosome breakage s., Robert's phocomelia s., selenium deficiency
sparse eyebrow/eyelash	Pallister-Killian s.
sparse hair	Dubokowitz's s., Langer-Giedion s., Marinesco-Sjögren s., Nicolaides-Baraitser s., Pallister-Killian s., progeria, Schopf-Schulz-Passarge s., Shapira's s.
swarm of bees	peribulbar lymphocytic infiltrate; alopecia areata
telogen effluvium	endocrine: hyperthyroidism, hypothyroidism, perimenopause, post-menopause, postpartum medications: anticoagulants, ACE inhibitors, antimetabolic agents, β -blockers, lithium, OCPs, retinoids, valproic acid, vitamin A toxicity nutritional: caloric deprivation, deficiency (biotin, essential fatty acid, iron, zinc), protein deprivation other: physical stress, psychological stress
trichoclasia	transverse fractures through cortex; chemical or physical trauma, trichothiodystrophy
trichodystrophy, acquired	structural abnormality of hair shaft; bleaching, drying, frequent combing & brushing, intense sunlight exposure, permanent waving, systemic d.
trichomalacia	alopecia areata, traction alopecia, trichotillomania
trichomegaly	long eyelashes; α interferon, cyclosporine A, erythrocytic porphyria, HIV, kala-azar,
trichonodosis	AD; knotted hair
trichoptilosis	split ends; congenital hypotrichosis (Marie-Unna), normal, uncombable hair s.
trichorrhexis invaginata	ball & socket intussusception of distal hair into proximal shaft; congenital ichthyosiform

	erythroderma, ichthyosis linearis circumflexa, lamellar ichthyosis, Netherton's s.
trichorrhexis nodosa	intrashaft node (paint brush node); Apert's s., arginosuccinic aciduria, biotin deficiency, citrullinemia, KID s., lamellar ichthyosis, Menkes' kinky hair s., Netherton's s., PIBIDS s., sulfur-deficient hair, trauma
trichoschisis	transverse fractures through hair; chemical trauma, physical trauma, PIBIDS s., trichothiodystrophy
trichothiodystrophy	brittle hair from decreased sulfur content; pili torti, trichoschisis alternating bands under polarization; BIDS s., hyperammonemia, IBIDS s., Marinesco-Sjögren s., PIBIDS s.
woolly hair	axially twisted hair shaft; normal (blacks) 1) AR; striated palmoplantar keratoderma, cardiac abnormalities 2) AD; palmoplantar keratoderma (Unna-Thost), right ventricular dysfunction Jackson-Sertoli s.