

Drugs and Dermatologic Diseases

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Medication	Function	Dermatologic Effects
Actinomycin	Antibiotic, chemotherapeutic	Stomatitis, folliculitis, radiation recall
Amantadine	Anti-parkinson, anti-viral	Livedo reticularis
Amiodarone	Anti-arrhythmic	Slate gray pigmentation in photodistributed areas
Amoxicillin	Antibiotic	Acute Generalized Exanthematous Pustulosis (AGEP)
Antimalarials		Yellow discoloration of skin and sclerae, blue-gray discoloration of face, shins, nail beds, pseudoachromia, lichenoid drug
Arsenic	Chemotherapeutic	Truncal hyperpigmentation with depigmented rain drop macules
Beta blockers	Anti-hypertensive	Exacerbates psoriasis and lupus, lichenoid drug eruption
Bismuth	Antacid	Pigmentation of gingival margin
Bleomycin	Antibiotic, chemotherapeutic	Acral sclerosis, neutrophilic eccrine hidradenitis, palmoplantar erythrodysesthesia, flagellate hyperpigmented streaks
Captopril	ACE inhibitor	Pigmented purpura, pityriasis rosea, pemphigus vulgaris
Carmustine	Chemotherapeutic, nitrosurea family	Hyperpigmentation under bandages
Cetuximab (Erbix)	Inhibits epidermal growth factor receptor	Acneiform eruption
Clofazamine	Antimycobacterial	Pink brown discoloration of skin
Clonidine	Anti-hypertensive, α_1 and α_2 agonist	Cicatrical pemphigoid, pityriasis rosea
Cyclosporine	Binds cyclophilin, inhibits dephosphorylation of NFAT, blocking IL-2 upregulation	Hypertrichosis, gingival hyperplasia
Cytosine	Alkylating agent, crosslinks DNA	Anagen effluvium, skin/nails hyperpigmentation, pigmented band on teeth, increased SCCs, neutrophilic eccrine hidradenitis
Demeclocycline	Binds 30S ribosomal subunit	Phototoxicity
Doxorubicin	Chemotherapeutic	Black/brown palms, soles, tongue
Doxycycline	Binds 30S ribosomal subunit	Phototoxicity
5-Fluorouracil	Pyrimidine analog, inhibits DNA/RNA synthesis	Serpiginous pigmentation over veins radiation recall, nail pigmentation, erythrodysesthesia, photosensitivity, oral aphthae
Foscarnet	Anti-viral for CMV, HSV	Penile ulcers
Glipizide	Anti-diabetic	Hereditary coproporphria
Gold	Anti-rheumatic	Mauve/blue gray color eyelids, face, photodistributed areas, SCLÉ
GM-CSF	Granulocyte macrophage colony stimulating factor	Sweet's syndrome
Griseofulvin	Arrests cells in metaphase, interferes with microtubules	Precipitate/worsen lupus, SCLÉ pseudoporphyria, photosensitivity
Hydrochlorothiazide	Diuretic	SCLÉ, lichenoid drug eruption, photoallergy, lichen planus

Medication	Function	Dermatologic Effects
Hydroquinone	Inhibits homogonistic acid oxidase	Pseudoochronosis
Hydroxurea	Inhibits ribonucleotide diphosphate reductase	Leg ulcers in CML patients, palmoplantar dysesthesia, radiation recall, poikiloderma on dorsal hands, acral erythema
Interferon	Antiviral, Antiproliferative, Immunoregulatory	Exacerbates psoriasis, trichomegaly
Isoniazid	Anti-mycobacterial	Drug Induced SLE, pellagra
Lasix	Loop diuretic	Drug induced BP, SCLE
Lithium	Mood stabilizer	Acne, linear IgA, psoriasis
Mercury		Gray pigmentation of skin folds, acrodyria (Calomel's disease)
Methimazole	Anti-thyroid	Aplasia cutis congenita
Methotrexate	Binds dihydrofolate reductase, inhibits DNA/RNA synthesis	Radiation and UV recall, photosensitivity, flag sign in hair, erythrodysesthesia, stomatitis, folliculitis, diffuse hyperpigmentation
Minocycline	Binds 30S ribosomal subunit	Blue pigmentation in acne scars/shins, muddy brown pigmentation in photodistributed areas, gray deposits in bone, nails, sclerae, teeth, Sweet's syndrome, SLE
Naproxen	Non steroidal anti-inflammatory drug	Pseudoporphyria, fixed drug
Oral Contraceptive		Erythema nodosum, melasma
Penicillamine	Chelating agent, anti-rheumatic	Elastosis perforans serpigiosa, cutis laxa, pemphigus vulgaris, pemphigoid, angiod streaks, SLE, lichenoid drug, anetoderma, yellow nails
Pepcid	Histamine H-2 receptor antagonist	Dermatographism
Phenytoin	Anti-epileptic	DRESS, melasma, gingival hyperplasia, hypertrichosis, TEN, linear IgA, pseudolymphoma
Pseudoephedrine	Decongestant	Non-pigmenting fixed drug
Psoralens/PUVA	Photochemotherapy	Paradoxical hypopigmentation, increased skin cancer (SCC>BCC>MM)
Retinoids	Binds nuclear retinoic acid receptors	Cheilitis, dry skin/nose, chronic paronychia, sticky skin, eruptive xanthomas, alopecia (Acitretin), pyogenic granuloma like tissue reaction (isotretinoin)
Terbinafine	Inhibits squalene epoxidase	SCLE
Tetracycline	Inhibits proteins synthesis by binding 30S ribosomal subunit	Brown discoloration of teeth <9 y.o., pseudoporphyria, fixed drug, photoonycholysis
Thiotepa	Alkylating agent	Hyperpigmentation under bandages
Vancomycin	Antibiotic	Linear IgA, Red man syndrome
Zidovudine (AZT)	Inhibits HIV reverse transcriptase	Blue lunulae, dark longitudinal nail streaks, oral hyperpigmentation



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