

Adverse Drug Reaction Probability Scale

Question	Yes	No	Do not know
1. Are there previous conclusive reports of this reaction?	+1	0	0
2. Did the adverse event appear after the suspected drug was administered?	+2	-1	0
3. Did the adverse reaction improve when the drug was discontinued or a <i>specific</i> antagonist was administered?	+1	0	0
4. Did the adverse reaction reappear when the drug was readministered?	+2	-1	0
5. Are there alternative causes (other than the drug) that could on their own have caused the reaction?	-1	+2	0
6. Did the reaction reappear when a placebo was given?	-1	+1	0
7. Was the drug detected in the blood (or other fluids) in concentrations known to be toxic?	+1	0	0
8. Was the reaction more severe when the dose was increased, or less severe when the dose was decreased?	+1	0	0
9. Did the patient have a similar reaction to the same or similar drugs in any previous exposure?	+1	0	0
1. Was the adverse event confirmed by any objective evidence?	+1	0	0
Definite association; score = or > 9			
Probable association; score 5 to 8			
Possible association; score 1 to 4			
Doubtful association; score = or < 0			

Naranjo CA, Busto U, Sellers EM, et al. A method for estimating the probability of adverse drug reactions. Clin Pharmacol Ther 1981; 30 (2): 239-45.

Drug reaction classification

Classification of drug reactions	<p>Type I: <u>immediate-type immunologic reaction</u>: IgE mediated urticaria/angioedema, anaphylactic shock ex: penicillin</p> <p>Type II: <u>cytotoxic reaction</u>: 1) drug plus cytotoxic antibodies cause cell lysis (platelets and leukocytes) ex: cephalosporins, penicillin, rifampin, sulfonamides 2) drug plus antibodies form immune complexes and cause lysis or phagocytosis ex: chlorpromazine, isoniazid, quinidine, quinine, salicylamide, sulfonamides, sulfonylureas</p> <p>Type III: <u>serum sickness, vasculitis</u>: IgG or IgM antibodies form to drug resulting in deposition of immune complexes in small vessels, activated by complement and recruitment of granulocytes; onset 5-7 days after drug introduction. Agranulocytosis, alveolitis, arthritis, hemolytic anemia, nephritis, thrombocytopenia, urticaria-like lesions, vasculitis</p> <p>Type IV: <u>morbilloform exanthematous reactions</u>: cell-mediated immune reaction by sensitized lymphocytes reacting with drug, releasing cytokines</p>
Type I reactions	angioedema, urticaria
Type III reactions	angioedema, exanthematous(?), fixed drug(?), Stevens-Johnson s., TEN, urticaria, vasculitis
Type IV reactions	bullous, exanthematous, fixed drug(?), lichenoid(?), photoallergic, Stevens-Johnson s.(?), TEN(?)
Life threatening reaction signs & symptoms	<p>general: arthralgias/arthritis, dyspnea, fever > 40° C, hypotension, lymphadenopathy, wheezing</p> <p>laboratory: abnormal LFTs, atypical lymphocytes, eosinophilia >1000/ul, lymphocytosis</p>

	skin: angioedema, confluent erythema, laryngeal/glossal edema, mucous membrane erosions, necrosis, Nikolsky's sign, painful skin, palpable purpura, urticaria
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Skin disease & medication

acanthosis nigricans	corticosteroids, diethylstilbestrol, estrogen, fusidic acid, hydantoin, INH, insulin, methyl testosterone, niacinamide, nicotinic acid, OCPs, pituitary extract, triazine
acneiform eruption	ACTH, actinomycin D, amoxapine, androgens, azathioprine, corticosteroids, cyclosporine, dactinomycin, dilantin, ethambutol, ethionamide, fluoxymesterone, halogens, haloperidol, isoniazid, lithium , medroxyprogesterone, OCPs, phenobarbital, phenytoin , psoralen, quinine, tar, trimethadione, vinblastine, vitamin B12 (cyanocobalamin)
acral erythema	chemotherapeutics, cytosine arabinoside, doxorubicin, etoposide, fluorouracil, hydroxyurea, mercaptopurine, methotrexate, mitoxantrone
acrodynea	mercury
actinic keratoses (inflammation)	docetaxel, doxorubicin, fluorouracil , pentostatin, dactinomycin/vincristine/dacarbazine, doxorubicin/cytarabine/6-thioguanine, doxorubicin/vincristine, fluorouracil/cisplatin
allergic contact dermatitis	cisplatin, daunorubicin, doxorubicin, 5-fluorouracil (topical and IV), mechlorethamine, mitomycin
alopecia	allopurinol, anticoagulants, antithyroid drugs, β -blockers, bismuth, boric acid, bromocriptine, carbimazole, chemotherapeutics, chloramphenicol, cimetidine, clomiphene, colchicine, diazoxide, dilantin, ethionamide, fluorobutyphenone, gentamicin, heavy metals, hydantoin, hypocholesterolemic, indomethacin, interferon- α , levodopa, methyl dopa, metoprolol, NSAIDs, OCPs, piroxicam, potassium thiocyanates, propranolol, quinacrine, retinoids, Rozaxane, testosterone, thallium, thyroid drugs, trimethadione, thiouracil, triparanol, valproate, vitamin A
alopecia, chemotherapeutic agents	aminocamptothecin, amsacrine, bleomycin, carmustine, chlorambucil, cyclophosphamide, cytarabine, dacarbazine, dactinomycin, daunorubicin, doxorubicin, epirubicin, etoposide, fluorouracil, hydroxyurea, idarubicin, ifosfamide, irinotecan, mechlorethamine, melphalan, methotrexate, mitomycin, mitoxantrone, paclitaxel, teniposide, thiotepa, topotecan, vinblastine, vincristine, vindesine, vinorelbine
alopecia, permanent	busulfan (high dose)
anagen effluvium (inducers)	alkylating agents, antimetabolites, bleomycin, boron cyclophosphamide, mitotic inhibitors, thallium, thiouracil
anetoderma	penicillamine
basal cell carcinoma	arsenic
black hairy tongue	methyl dopa, penicillin, tetracycline
Bowen's disease	arsenic
bullous eruptions	arsenic, barbiturates, bromides, halides, iodides, mercury, penicillin, phenolphthalein, salicylates
bullous pemphigoid	amoxicillin, dactinomycin/methotrexate, fluorouracil, furosemide, penicillin, PUVA, sulfasalazine
candidiasis	tetracyclines
capillaritis (purpura simplex)	aminoglutethimide
carcinogens, chemical	arsenic, 4,4'-bipyridyl, coal tar, immunosuppressants, nitrogen mustard, petroleum oils, PCB, pitch, psoralen, soot
cellulitis	antineoplastic agents, doxorubicin, 5-FU, mithramycin
ceruloderma	blue pigmentation; amiodarone, atabrine, bismuth, chloroquine, gold, iron lead, minocycline, mercury, silver
chilblains-like erythema	coumadin, phenindione, sulindac
color changes of skin due to chemical (<i>also see pigmentation</i>)	black: mercury, osmium trioxide blue: cobalt, indigo, oxalic acid (radiator cleaners), silver nitrate, silvadene brown: chrysarobin, anthralin, paraphenylenediamine, permanganates, phenothiazines green: copper dust orange: chlorine gas, phenothiazine, trinitrophenylmethylamine red: soda ash, TNT

	yellow: dichromate, dinobuton, fluorescein dye, glutaraldehyde,
cutaneous reactions, most common	in order: amoxicillin, trimethoprim-sulfamethoxazole, ampicillin, blood products, penicillin (semi-synthetic), penicillin G, acetylcysteine, allopurinol, gentamicin, barbiturates, metoclopramide, atropine, heparin, furosemide, diazepam, potassium chloride
cutaneous reactions, none or very rare	acetaminophen, aminophylline, aspirin, codeine, digoxin, diphenhydramine, docusate sodium, ferrous sulfate, flurazepam, insulin, isosorbide dinitrate, magnesium sulfate, methyl dopa, milk of magnesia, nitroglycerin, potassium iodide, prednisone, promethazine, prochlorperazine, propranolol, spironolactone
cutis laxa	isoniazid, penicillamine, penicillin, tryptophan
Darier's d.	ethyl chloride, lithium, phenol
delusion of parasitosis	atropine, methylphenidate, phenelzine
dermatitis herpetiformis (flare)	cyclophosphamide/doxorubicin/vincristine, iodides (exacerbate)
dermatomyositis-like	aspirin, diclofenac, hydroxyurea (long term), niplumic acid, penicillamine, practolol, tamoxifen, tegafur, tryptophan
discoid lupus erythematosus	penicillamine
drug reactions, common types	acanthosis nigricans, alopecia, annular erythema, bullous, dermatomyositis, eczematous, elastosis perforans serpiginosa, EM, erythema nodosum, erythrodermic/exfoliative, erythromelalgia, exanthematous (maculopapular), fixed, hidradenitis, hypertrichosis, ichthyosiform, lichenoid, lupus, lymphomatoid, panniculitis, pemphigoid, pemphigus, photosensitivity, pigmented, pityriasiform, porphyria, pseudoporphyria, psoriasiform, purpuric, pustular, sclerodermoid, Stevens-Johnson s., TEN, urticarial, vasculitic
eczema	aminophylline, antibiotics, antihistamines, arsenic, β -blockers, carbamazepine, chloral hydrate, disulfiram, diuretics, fluorouracil, gold, HMG-CoA reductase inhibitors, hypoglycemics, meprobamate, mercurials, minoxidil, neomycin, nystatin, penicillin, phenothiazines, procainamide, quinacrine, quinidine, resorcinol, streptomycin, sulfonamides, thiazide diuretics
elastosis perforans serpiginosa	penicillamine, thiopronine
eosinophilic fasciitis	L-tryptophan (contaminated)
eruption, exanthematous (chemotherapeutic agents)	bleomycin, carboplatin, cis-dichloro-trans-dihydroxy-bis-isopropylamine platinum (CHIP), chlorambucil, cytarabine, docetaxel, diethylstilbestrol, doxorubicin etoposide, 5-fluorouracil, hydroxyurea, methotrexate, mitomycin C, mitotane, mitoxantrone, paclitaxel, pentostatin, procarbazine, suramin, thiotepa
erythema annulare centrifugum	chloroquine, cimetidine, estrogens, penicillin, plaquenil, progesterone, salicylates
erythema multiforme	allopurinol , aminopenicillins, anticonvulsants (carbamazepine, diphenylhydantoin, phenobarbital, trimethadione), barbiturates , busulfan, bleomycin/cisplatin, bleomycin/cisplatin/vinblastine, carbamazepine, cephalosporin, chlorambucil, cimetidine, ciprofloxacin, codeine, cyclophosphamide, danazol, diethylstilbestrol, etoposide, furosemide, glutethimide, griseofulvin, hydantoins , hydroxyurea, lithium, mechlorethamine (IV), methotrexate, minoxidil, mitomycin C, mitotane, NSAIDs , oxyphenbutazone, paclitaxel, penicillamine, penicillin , phenobarbital, phenolphthalein, phenothiazines, phenylbutazone, prazosin, pyritinol, rifampin, salazopyrin, salicylates, streptomycin, sulfonamides , sulfonylureas, suramin, tetracycline , trimethoprim
erythema multiforme-like	antihistamines, DNCB, DPCP, IPPD, rosewood, <i>Rhus</i> , sulfonamides
erythema multiforme, contactants	chemicals : brominated compounds, N-hydroxyphthalimide, phenyl sulfone derivatives, dinitrochlorobenzene medications, topical : econazole, ethylenediamine, idoxuridine, iodochlorhydroxyquin, mafenide acetate, mephenesin, neomycin, povidone iodine, proflavine, promethazine, pyrrolnitrin, scopolamine, sulfonamide, vitamin E metals : cobalt, nickel sulfate plants : poison ivy, primula, terpenes, St. John's wort

	other: epoxy resin, formaldehyde, isopropyl- <i>p</i> -phenylenediamine, soap, spray cologne, trichlorethylene, tropical wood (rio rosewood, pao ferro)
erythema nodosum	amidopyrine, bromides, busulfan, 13-cis-retinoic acid, diethylstilbestrol, estrogen , gold, halogens, isotretinoin, OCPs , penicillin , phenacetin, salicylates, sulfonamides , sulfones, sulfonylureas, tetracycline , thiazides, vaccines
erythema, acral	cisplatin, cyclophosphamide, cytarabine , daunorubicin, docetaxel, doxifluridine, doxorubicin , etoposide, floxuridine, fluorouracil , hydroxyurea, idarubicin, lomustine, melphalan, mercaptopurine, methotrexate, mitomycin, mitotane, paclitaxel, suramin, tegafur, vincristine
erythralgia	bromocriptine, nifedipine, nifedipine, verapamil
erythroderma	acetylsalicylic acid, captopril, clofazimine, co-trimoxazole, etretinate, fenbufen, gentamicin, GM-CSF, ketoconazole, methotrexate, minoxidil, nystatin, oxytetracycline, phenobarbital, quinidine, sulfasalazine, sulfonamides, timolol
erythromelalgia	bromocriptine, nifedipine, pergolide
exanthematous eruption	allopurinol , amphotericin B, atropine, barbiturates, benzodiazepines, calcium channel blockers, captopril, carbamazepine , chloramphenicol, cisplatin, diltiazem, erythromycin, gentamicin, GM-CSF, gold , hydantoin, hypoglycemics, isoniazid, lithium, methazolamide, nitrofurantoin , NSAIDs, penicillins , phenothiazines, phenylbutazone , phenytoin , quinidine, streptomycin , sulfonamides , tetracyclines, thiazides, trazodone
exfoliative dermatitis (exfoliative erythroderma)	allopurinol, aminoglycosides, amiodarone, antimalarials, arsenic, aspirin, aztreonam, BAL, barbiturates, calcium channel blockers, captopril, carbamazepine , cefoxitin, cephalosporins, chlorambucil/busulfan, chloroquine, chlorpromazine, chlorpropamide, cimetidine, cisplatin, codeine, co-trimoxazole, dapsone, diltiazem, desipramine, diphenylhydantoin, ethylenediamine, fluorouracil, gold, griseofulvin, hydantoins, imipramine, indinavir, iodine, isoniazid, isotretinoin, lithium, mefloquine, mephenytoin, mercury, methotrexate, mexiletine, minocycline, neomycin, nifedipine, nitrofurantoin, penicillin, phenindione, phenobarbital , phenothiazines, phenylbutazone, phenytoin , pyrazolone derivatives, quinacrine, quinidine, ranitidine, rifampin, streptomycin, sulfonamides, sulfonylureas, terbutaline, thalidomide, thiazides, trimethadione, trimethoprim, trazodone, vancomycin
fixed drug eruption	acetaminophen, acetylsalicylic acid , aminosalicylic acid, ampicillin , anticonvulsants, antifungals, antimalarials, arsenicals, aspirin , barbiturates , benzodiazepines, butazolidin-alka, chlordiazepoxide, ciprofloxacin, dacarbazine, dapsone, dextromethorphan, diflunisal , diphenhydramine, erythromycin, fiorinol, fluoroquinolones, gold, heroin, hydroxyurea, ibuprofen , meprobamate, metronidazole, minocycline, naproxen, norfloxacin, NSAIDs, nystatin, OCPs, opiates, oxyphenylbutazone, paclitaxel (bullous), paracetamol, penicillins, phenacetin, phenolphthalein , phenylbutazone, piroxicam , procarbazine, Quaalude, quinidine, quinine, salicylates, sulfonamides , sulindac, tetracycline , tolmetin, trimethoprim-sulfamethoxazole
flushing	alizapride, amyl nitrite, asparaginase, bleomycin, bromocriptine, butyl nitrite, capsaicin, carboplatin, carmustine, cholinergic drugs, cisplatin, cyclophosphamide, cyclosporine, cyproterone acetate, dacarbazine, didemnin B, diethylstilbestrol, diltiazem, docetaxel, doxorubicin, etoposide, fluorouracil (IV/topical), flutamide, interferons, leuprolide, lomustine, metoclopramide, mithramycin, morphine, niacin, nicotinic acid, nifedipine, opiates, paclitaxel, plicamycin, procarbazine, rifampin, suramin, tamoxifen, teniposide, thyrotropin-releasing hormone, trimetrexate, vancomycin, verapamil EtOH following; β-lactams, calcium carbamide, cefamandole, cefoperazone, chloramphenicol, chlorpropamide, disulfiram, griseofulvin, industrial chemicals (trichloroethylene, <i>N</i> -dimethylformamide, <i>N</i> -butyraldoxime), ketoconazole, metronidazole, moxalactam, phentolamine, quinacrine, sulfonylureas
flushing (pharmacologic menopause)	4-hydroxyandrostenedione, danazol, tamoxifen, clomiphene citrate, decapeptyl, leuprolide
folliculitis	dactinomycin, daunorubicin, fluorouracil, methotrexate, tar
furuncle	fluoxymesterone, methotrexate
gingival hyperplasia	cyclosporine, diltiazem, nifedipine, phenytoin (hydantoin derivatives), verapamil
hair color change	bleomycin (and combinations), cisplatin, cyclophosphamide (and combinations), methotrexate,

	tamoxifen
hair hyperpigmentation	actinomycin, bleomycin, cyclophosphamide, daunorubicin, doxorubicin, melphalan
hair pigment loss	bleomycin, chloroquine, haloperidol, mephenesin, nafoxidine
Henoch-Schönlein purpura	ampicillin, erythromycin, penicillin, quinidine, quinine
hirsutism	ACTH, astezolamide, corticosteroids, cyclosporin, diazoxide, diethylstilbestrol, dilantin, fluoxymesterone, hexachlorobenzene, minoxidil, penicillamine, phenytoin, tamoxifen
histamine-releasing	aspirin, bacteria toxins, chlortetracycline, codeine, compound 48/80, decamethonium, dextran, D-tubocurare, estrogen, EtOH, gallimine, gastrin, meperidine, morphine, NSAIDs, polymyxin antibiotics, quinine, radiocontrast media, scopolamine, snake venom, substance P, thiamin, vancomycin
hyperpigmentation, Addisonian	ACTH, busulfan (sun-exposed), 5-FU
hyperpigmentation, chemotherapeutic agents	bleomycin, brequinar sodium, busulfan, carmustine, cisplatin, cyclophosphamide, dactinomycin, daunorubicin, docetaxel, doxorubicin, fluorouracil, fotemustine, hydroxyurea, ifosfamide, mechlorethamine, methotrexate, mitoxantrone, plicamycin, procarbazine, tegafur, thiotepa, vinorelbine
hyperpigmentation, dermal	melanotic: fixed drug eruption non-melanotic: amiodarone, antimalarials, arsenic, bismuth, gold, iron, lead, mercury, minocycline, OCPs, PCB poisoning, phenothiazine, silver
hyperpigmentation, linear	bleomycin, zidovudine
hyperpigmentation, melasma-like	estrogen, mephenytoin, phenytoin
hyperpigmentation, mucosal	busulfan, cisplatin, cyclophosphamide, doxorubicin, fluorouracil, hydroxyurea, tegafur
hyperpigmentation, palms & soles	cyclophosphamide, dibromomannitol, doxorubicin, procarbazine
hypertrichosis	acetazolamide, anabolic steroids, bromocriptine, corticosteroids, cyclosporine, danazol, diazoxide, digoxin, diphenylhydantoin, dyazide, erythropoietin, estrogen, fenoterol, hydantoin, metyrapone, minoxidil, oxadiazolopyrimidine, penicillamine, phenothiazines, phenytoin, progesterone, psoralen, spironolactone, streptomycin, tacrolimus, testosterone, thyroid hormones
ichthyosiform, ichthyosis (acquired)	allopurinol, butyrophenone, cimetidine, clofazimine, dyrazine, ergocalciferol, hydrochlorothiazide, nafoxidine, nicotinic acid, retinoids, triparanol hypocholesterolemics; butyrophenones, diazcholesterol, dixyrazine, nicotinic acid, triparanol
intertrigo	amoxicillin, cefazolin, clindamycin, metronidazole
keloid	insulin
keratoderma	gold salts
lens opacities	chloroquine, chlorpromazine
lichenoid	ACE inhibitors, aminosalicic acid, antimalarials , antimony, antipsychotics, anti-tuberculous agents, arsenic, β-blockers , bismuth, calcium channel blockers, captopril, carbamazepine, chloroquine, dapsone, demeclocycline, color film processors, furosemide , gold , hydroxyurea, hypoglycemics, iodide (contrast), isoniazid, ketoconazole, levamisole, lithium, mercury, methyl dopa, NSAIDs, paraphenylenediamine, penicillamine , phenothiazines, phenytoin, propranolol, pyrimethamine, quinidine, quinine, spironolactone , streptomycin, sulfasalazine, sulfonyleureas, tegafur, tetracycline, thiazides
lichenoid contact dermatitis	aminoglycosides, color film developer, dental restoration materials, gold, mercury, silver
lichenoid-oral	ACE inhibitors, allopurinol, cyanamide, dental restoration materials, gold salts, ketoconazole, methyl dopa, NSAIDs, penicillamine, sulfonyleureas
lichenoid-photodistributed	5-FU, carbamazepine, chlorpromazine, diazoxide, ethambutol, furosemide, pyritinol, quinidine, quinine, tetracyclines, thiazides
linear IgA d.	amiodarone, ampicillin, captopril, cefamandole, cyclosporine, diclofenac, glibenclamid, glucophage (?), IFN-γ, IL-2, iodine, lithium, penicillin G, phenytoin, somatostatin,

	trimethoprim/sulfamethoxazole, vancomycin, vigabatrin
lipoatrophy	insulin
livedo reticularis	amantadine, quinidine, quinine
lupus erythematosus	allopurinol, aminoglutethimide, β -blockers, captopril, carbamazepine, chlorthalidone, chlordiazepoxide, chlorpromazine, cimetidine, clofibrate, diethylstilbestrol, dilantin, ethosuximide, gold, griseofulvin, hydantoin, hydralazine , hydroxyurea, isoniazid, leuprolide, levodopa, lithium, lovastatin, methyldopa, methysergide, nitrofurantoin, OCPs, penicillamine, penicillin, phenothiazines, phenylbutazone, phenytoin, procainamide (25%), quinidine, reserpine, streptomycin, sulfonamides, tegafur, tetracycline, thiouracil, trimethadione
lupus erythematosus, subacute cutaneous	gold, photosensitizing medications, thiazides
mastocytosis, cutaneous	provoke; anticholinergic medications, EtOH, narcotics, polymyxin B sulfate, salicylates
medications; most common reactions	amoxicillin 5%, trimethoprim-sulfamethoxazole 3%, ampicillin 3%, blood products 2%, semi-synthetic penicillins 2%, penicillin G 2%, acetylcysteine 0.9%, allopurinol 0.8%, gentamicin 0.5%, barbiturates 0.4%, metoclopramide 0.3%, atropine 0.2%, heparin 0.1%, furosemide 0.05%, diazepam 0.04%, potassium chloride 0.03%
medications; rare (or no) reaction	acetaminophen, aminophylline, antacids, aspirin, codeine, digoxin, diphenhydramine, docusate sodium, ferrous sulfate, flurazepam, insulin, isosorbide dinitrate, magnesium, methyldopa, milk of Magnesia, nitroglycerin, potassium iodide, prednisone, prochlorperazine, promethazine, propranolol, spironolactone
melanonychia	AZT, bleomycin, cyclophosphamide, ketoconazole, minocycline, psoralen
melasma	OCPs
morbilliform eruption	<i>see exanthematous eruption</i>
morphea	penicillamine
mucositis	retinoids
nail color change	blue: antimalarials, argyria, arsenic, chlorpromazine, ketoconazole, mercury, sulfa yellow: amphotericin B, beta-carotene, chromium salts, dinitrophenol, DNCB, fluorescein, penicillamine, tars, tetracycline
neutrophilic eccrine hidradenitis	bleomycin, chlorambucil, cyclophosphamide, cytarabine, doxorubicin, lomustine, mitoxantrone
ochronosis, exogenous	inhibition of sulfhydryl group of homogentisic acid oxidase; hydroquinone, mepacrine, phenol, quinacrine, resorcinol
onycholysis	doxycycline, 8-methoxypsoralen, minocycline, tetracycline, thiazides
panniculitis	bromine, iodine, penicillin, phenacetin, pyritinol, sulfathiazole
papules, keratotic	suramin
pellagra-like	anticonvulsants, antidepressants, chloramphenicol, 5-fluorouracil, isoniazid, 6-mercaptopurine, sulfapyridine
pemphigoid	ampicillin, captopril, furosemide , penicillamine, penicillin, phenacetin, psoralens, PUVA, sulfa drugs, thiol derivatives
pemphigus, drug-induced	aminophenazone, ampicillin, aminopyrine, aspirin (with ampicillin, indomethacin, penicillin, rifampin), aurothioglucose, azapropazone, captopril, cephalexin, ceftriaxone sodium, digoxin, enalapril, ethambutol HCL, 5-FU (topical), furosemide, gold sodium thiomalate, heroin, hydantoin, ibuprofen, indomethacin, interleukin 2, interferon β , isoniazid, levodopa, lysine acetylsalicylate, meprobamate, mercaptopropionylglycine, methimazole, nalidixic acid, nifedipine, optalidon, oxyphenylbutazone, pentachlorophenol, penicillamine , penicillin, phenacetin, phenylbutazone, phosphamide, phenobarbital, piroxicam, practolol, progesterone, propranolol, pyritinol, rifampin, sulfasalazine, thiopronine, thiopyridoxine, tincture of benzoin
pemphigus erythematosus	penicillamine
pemphigus vegetans	captopril
pemphigus vulgaris	penicillamine, penicillin, rifampin, thiopronine
persistent light reaction	musk ambrette, salicylanilides
petechiae, non-palpable	aspirin, heparin, quinine, quinidine,
photoallergic drug	amiodarone, antidepressants, antifungals, antimalarials, benzodiazepines, griseofulvin,

reaction	hypoglycemics, musk ambrette, 6-methylcoumarin, NSAIDs, OCPs, PABA esters, phenothiazines, sulfonamides, sulfonyleureas, thiazides, vinblastine
photosensitizing	amiodarone, antidepressants, chloroquine, fluoroquinolones, fluorouracil, griseofulvin, methotrexate, nalidixic acid, NSAIDs, phenothiazines, sulfonamides, sulfonyleureas, tetracyclines, thiazides, vinblastine (<i>also see following section</i>)
phototoxic drug eruption	medications ; amiodarone, anthracene, benoxaprofen, brequinar sodium, chloroquine, chlorpromazine, dacarbazine, dactinomycin, demeclocycline, doxorubicin, doxycycline, 5-fluorouracil, furosemide, griseofulvin, HCTZ, hydroxyurea, methotrexate, mitomycin C, nalidixic acid, naproxen, NSAIDs, PABA, phenothiazines , piroxicam, porphyrins, procarbazine, psoralen, quinidine, sulfanilamide, sulfonamides , sulfonyleureas, tegafur, tetracycline, thiazides, tolbutamide, vinblastine other ; dye (eosin, methylene blue), fumocoumarins (fragrance, lime, celery, parsnip, fig), hemotoporphyrin, tar
phytophotodermatitis	bergamot, carrot (wild), cow parsnip, dill, fennel, gas plant, Persian lines, rue (common)
pigmentation-blue	amiodarone -slate blue, argyria -slate blue, bismuth -blue black on gingival margin, bleomycin -flagellate pigmentation, chloroquine -blue gray, minocycline -brown, gray, blue black in acne scar, plaquenil -blue black, tetracycline -blue cutaneous osteomas
pigmentation-brown	ACTH, arsenic, minocycline, OCPs, phenytoin
pigmentation-gray	chlorpromazine, minocycline
pigmentation-red	methysergide, rifampin-red man syndrome
pigmentation-yellow	cathaxanthin, phenazopyridine, quinacrine
pityriasiform, pityriasis rosea-like	acetylsalicylic acid, arsenic, barbiturates, β -blockers, bismuth, captopril, clonidine, gold, griseofulvin, isoniazid, isotretinoin, ketotifen, mercurials, methoxypropazine, metronidazole, NSAIDs, omeprazole, penicillamine, penicillin, pyribenzamine, salvarsan, tripeleminamine
porphyria	cisplatin (<i>also see following section</i>)
porphyria cutanea tarda)	androgens, busulfan, chloroquine, cyclophosphamide, dapsone, diethylstilbestrol, estrogen, EtOH, furosemide, griseofulvin, hexachlorobenzene, hydroxychloroquine, methotrexate, nalidixic acid, naproxen, OCPs, pyridoxine, quinidine, quinine, rifampin, sulfonyleureas, tetracycline, 2,4,5-trichlorophenol (<i>also see following section</i>)
porphyria, acute intermittent	chlorambucil, cyclophosphamide(<i>also see following section</i>)
pruritus	antimicrobials : acyclovir, ampicillin, antimalarials , cephalosporins, chloroquine, colistin, erythromycin , halofantrine, ketoconazole, lomefloxacin, metronidazole, miconazole, polymyxin B, sulfonamides, suramin cardiovascular : amiodarone, beta-blockers, captopril, clonidine, diazoxide, diphenoxylate, dobutamine, enalapril, naftazone, quinidine diuretics : furosemide, HCTZ hormones : anabolic steroids, dexamethasone, estrogen, OCPs , progesterone, testosterone miscellaneous : allopurinol, aspirin , bleomycin, chlorpropamide , colchicine, coumarin, heparin, imipramine, NSAIDs, phenothiazines , probenecid, tolbutamide opiates : butorphanol, cocaine, fentanyl, heroin, morphine vitamins : etretinate, isotretinoin, niacin, vitamin B complex
pseudolymphoma	ACE inhibitors, anticonvulsants, antidepressants, benzodiazepines, beta blockers, calcium channel blockers, dilantin, H1 & H2 antagonists, lipid-lowering agents, lithium, NSAIDs, phenothiazines, steroids
pseudoporphyria (<i>also see following section</i>)	furosemide, nalidixic acid, tetracycline
psoriasiform, induce or exacerbate	ACE inhibitors, acetylsalicylic acid, ampicillin, antimalarials, arsenic, chloroquine, codeine, cyclosporine, etretinate, gold, ibuprofen, interferons, interleukins, iodine, lithium, methoxsalen, morphine, penicillamine, pindolol, prazosin, propranolol, quinidine
psoriasis, erythrodermic	antimalarials , β-blockers , captopril, chlorthalidone, clonidine, corticosteroids (withdrawal), digoxin, indomethacin, lithium , NSAIDs
psoriasis, exacerbation	antimalarials, β -blockers, lithium, steroid withdrawal

psoriasis, pustular	aminoglutethimide, lithium, OCPs, steroid withdrawal
purpura	anticonvulsants, aspirin, barbiturates, benzoate, carbamides, chloroquine, chlorothiazide, chlorpromazine, coumadin, gold, griseofulvin, heparin, iodides, methotrexate, NSAIDs, phenothiazines, phenylbutazone, quinidine, quinine, sedatives, sulfonamides, tartrazine, thiazides
purpura pigmentosa chronica	sedatives
pustular eruption	acetaminophen, amoxicillin, ampicillin, bromides, carbamazepine, cefaclor, erythromycin, imipenam, iodides, nifedipine, penicillin, quinidine
pustulosis, acute generalized exanthematous	antibiotics ; azithromycin, cephalosporin, chloramphenicol, ciprofloxacin, doxycycline, erythromycin, isoniazid, itraconazole, norfloxacin, penicillin, streptomycin, sulfasalazine, terbinafine, trimethoprim, vancomycin, others ; acetaminophen, allopurinol, carbamazepine, chromium picolinate, diclofenac, diltiazem, disulfiram, enalapril, furosemide, hydroxychloroquine, mercury, nifedipine, phenytoin, quinidine
pyoderma gangrenosum	bromides, GM-CSF, iodides, isotretinoin
pyogenic granuloma	isotretinoin
radiation enhancement	bleomycin, chlorambucil, cyclophosphamide (+dactinomycin, vincristine, doxorubicin, cisplatin, bleomycin, triazinate), dactinomycin, dactinomycin and amethopterin, doxorubicin, doxorubicin and cyclophosphamide, fluorouracil, fluorouracil and cisplatin, hydroxyurea, 6-mercaptopurine, methotrexate
radiation recall	bleomycin, cyclophosphamide, cytarabine, dactinomycin , daunorubicin, doxorubicin , docetaxel, edatrexate, etoposide (VP-16), 5-fluorouracil, hydroxyurea, idarubicin, lomustine, melphalan, methotrexate, paclitaxel, tamoxifen, trimetrexate, vinblastine
rash, macular & papular	allopurinol, ampicillin, barbiturates, chloroquine, diflunisal, dilantin, gentamicin, gold salts, isoniazid, meclofenamate, penicillin, phenothiazines, phenylbutazone, piroxicam, quinidine, streptomycin, sulfonamides, thiazides, thiouracil, trimethoprim/sulfamethoxazole,
rash, morbilliform	ampicillin, aspirin, barbiturates, benzodiazepines, chlorpromazine, dapsone, erythromycin, gentamicin, gold salts, griseofulvin, isoniazid, phenothiazines, thiazides
Raynaud's d.	amphetamines, arsenic, β -adrenergic blockers, bleomycin (and combinations), clonidine, cyanamide, ergotamine, EtOH, heavy metals, methysergide, OCPs, tobacco, vincristine, vinyl chloride
"red man" s.	see exfoliate erythroderma
rosacea	aminophylline, amyl nitrite, cyclosporine, diazoxide, dipyridamole, EtOH, glutamate, hydralazine, iodides, isoprel, isordil, nicotinic acid, nitrate, papaverine, reserpine, theophylline, vasodilators
SCC, inflammation	fludarabine
SCLE	aldactone, chrysotherapy, griseofulvin, penicillamine, piroxicam, procainamide, sulfonyleureas, thiazides
scleroderma-like	aliphatic hydrocarbons, aromatic hydrocarbons, bleomycin, carbidopa, cyclohexylamines, docetaxel, penicillamine, silica, trichlorethylene, valproic acid, vinyl chloride
sclerosis	bleomycin, polyvinylchloride, tryptophan, vitamin K (IM)
seborrheic dermatitis	arsenic, cimetidine, gold, methylodopa, neuroleptics, phenothiazines
seborrheic keratoses (inflammation)	cytarabine
serum sickness vasculitis	cephalosporins, penicillin, sulfa, thiazides
serum sickness-like	β -lactam antibiotics, cefaclor, dilantin, penicillin, sulfonamides
splinter hemorrhage	tetracycline
squamous cell carcinoma	arsenic
Stevens-Johnson s.	<i>see erythema multiforme</i>
stomatitis (chemotherapeutic agents)	amsacrine, bleomycin, cyclophosphamide, cytarabine, dactinomycin, daunorubicin, docetaxel, doxorubicin, edatrexate, epirubicin, floxuridine, fluorouracil, hydroxyurea (high-dose), idarubicin, mechlorethamine, 6-mercaptopurine, methotrexate, mithramycin, mitomycin, paclitaxel, procarbazine, tegafur, 6-thioguanine, tomudex, topotecan, vinblastine, vincristine
striae	corticosteroids, isoniazid
Sweet's s.	all-trans-retinoic acid, GM-CSF, minocycline, OCPs

telangiectasia	carmustine, hydroxyurea, nifedipine, OCPs
thrombocytopenic purpura	NSAIDs, phenothiazines, quinidine, thiazides
toxic epidermal necrolysis	allopurinol , amoxapine, ampicillin , anti-tuberculosis drugs, asparaginase, aspirin , barbiturates, bleomycin, carbamazepine , cephalosporins, chlorambucil, chloramphenicol, chlorpropamide, ciprofloxacin, cladribine, cytarabine, dapsone, dicloxacillin, dilantin, disulfiram, doxorubicin, doxycycline, erythromycin, fansidar, 5-fluorouracil, gold, griseofulvin, hydantoin, hypoglycemics, imipramine, methotrexate, minipress, mithramycin, nitrofurantoin, NSAIDs, oxicam derivatives , penicillamine, penicillin, phenobarbital , phenolphthalein, phenylbutazone, phenytoin , plicamycin, procarbazine, quinine, rifampin, streptomycin, sulfonamides , suramin, tetracycline, thiobendazole, trimethoprim/sulfadoxine, trimethoprim/sulfamethoxazole, valproic acid, vancomycin With HIV infection ; clindamycin, erythromycin, fluconazole, phenobarbital, valproic acid, vancomycin
ulcer	barbiturates, ergotamine, halogens, methotrexate
ulcers, leg	hydroxyurea, methotrexate
ultraviolet recall	etoposide/cyclophosphamide, methotrexate, methotrexate/cyclophosphamide/fluorouracil, suramin
urticaria	ACE inhibitors, acetylsalicylic acid, ACTH, animal sera, azo dyes, barbiturates, benzoates, benzocaine, calcium channel blockers, cephalosporin, chloramphenicol, chlorpromazine, cimetidine, corticotropin, curare, dextran, enzymes, fluoxetine, griseofulvin, hormones, hydantoin, hydralazine, imipramine, indomethacin, insulin, mechlorethamine (nitrogen mustard), mesna, NSAIDs , opiates , penicillin , phenolphthalein, phenothiazines, phenylbutazone, pollen vaccines, polymyxin B, polypeptide procainamide, promethazine quinidine, radiocontrast dye , salicylates, streptomycin, sulfonamides, tetracycline, trazodone, trimethoprim
urticaria, non-allergic contact	acetic acid, alcohol, balsam of Peru, benzoic acid, caterpillar hair, cinnamic acid, cinnamic aldehyde, cobalt chloride, dimethyl sulfoxide, insect sting, methyl nicotinate, moth, sodium benzoate, sorbic acid, trafuril
urticaria, chemotherapeutic agents	amsacrine, L-asparaginase, bleomycin, busulfan, carboplatin, chlorambucil, cisplatin, cyclophosphamide, cytarabine, daunorubicin, diaziquone, didemnin B, diethylstilbestrol, docetaxel, doxorubicin, epirubicin, etoposide, 5-fluorouracil, mechlorethamine, melphalan, methotrexate, mitomycin C, mitotane, mitoxantrone, paclitaxel, pentostatin procarbazine, teniposide, thiotepa, trimetrexate, vincristine, zinostatin
urticaria (localized)	doxorubicin, epirubicin, idarubicin
vasculitis	ampicillin, chlorothiazide, phenytoin, thiouracil
vasculitis, leukocytoclastic	allopurinol, aminosalicylic acid, busulfan, cimetidine, clindamycin, corticosteroids, cyclophosphamide, cytarabine, diltiazem, gold, griseofulvin, heparin, hexamethylene bisacetamide, hydantoins, hydralazine, hydroxyurea, indomethacin, insulin, iodides, ketoconazole, levamisole, 6-mercaptopurine, methotrexate, mitoxantrone, nifedipine, NSAIDs, OCPs, penicillin, phenothiazines, phenylbutazone, procainamide, propylthiouracil, quinidine, quinine, serum, sotalol, streptokinase, streptomycin, sulfonamides, tamoxifen, tetracycline, thiazides, vaccine (influenza), vancomycin, vitamins
vesiculobullous eruption	amoxapine, arsenic, barbiturates, bromides, captopril, chemotherapeutic agents, dipyridamole, furosemide, griseofulvin, iodides, mercury, nalidixic acid, NSAIDs, penicillamine, penicillin, phenolphthalein, phenytoin, PUVA, salicylates, sulfonamides, thiazides, thioridazine
xanthoma (eruptive)	isotretinoin
xerostomia	anticholinergics, antihistamines, hypnotics, sedatives

Photosensitizing medications, categorical

anti-acne	isotretinoin, tretinoin
antibiotics	(see sulfonamides and tetracyclines) ciprofloxacin, clofazimine, erythromycin ethylsuccinate +

	sulfisoxazole, ethionamide, gentamicin, hexachlorophene, interferon α -2B, nalidixic acid, norfloxacin, pyrazinamide, trimethoprim, trimethoprim +sulfamethoxazole
anticonvulsants	acetazolamide, carbamazepine, phenytoin
antidepressants (tricyclic and other)	amitriptyline, amoxapine, chlordiazepoxide, +amitriptyline, desipramine, doxepin, imipramine, isocarboxazid, maprotiline, nortriptyline, perphenazine +amitriptyline, protriptyline, trimipramine
antiemetics	<i>see antipsychotics</i>
antifungals	fentichlor, flucytosine, griseofulvin, jadic, multifungin
antihistamines	astemizole, azatadine, bromodiphehydramine +codeine, brompheniramine, buclizine, carbinoxamine, chlorpheniramine, chlorpheniramine +D-pseudoephedrine, chlorpheniramine +phenylpropanolamine, clemastine, cyclizine, cyclobenzaprine, cyproheptadine, dexchlorpheniramine, dimenhydrinate, diphenhydramine, diphenylpyraline, doxylamine, hydroxyzine, meclizine, methapyrilene, methdilazine, orphenadrine, pheniramine, phenylpropanolamine +chlorpheniramine, phenylpropanolamine +pheniramine +pyrilamine, promethazine, pyrilamine, terfenadine, trimeprazine, tripeleminamine, triprolidine
antimalarial	quinine
antineoplastic	dacarbazine, floxuridine, fluorouracil, flutamide, methotrexate, vinblastine
antiparkinsonian	selegiline
antipsychotics, tranquilizers, phenothiazines, and antiemetics	acetophenazine, butaperazine, carphenazine, chlorpromazine, chlorprothixene, ethopropazine, fluphenazine, haloperidol, mesoridazine, methdilazine, methotrimeprazine, nabilone, perphenazine, piperacetazine, prochlorperazine, promazine, promethazine, propiomazine, thiethylperazine, thioridazine, thiothixene, trifluoperazine, triflupromazine, trimeprazine
cardiac agents	<i>see hypertensive and cardiac agents</i>
cholesterol-lowering	lovastatin
estrogens	<i>see oral contraceptives</i>
glaucoma medication	methazolamide
gonadotropin inhibitor	danazol
hypertensive and cardiac agents	amiodarone, atenolol +chlorthalidone, captopril, chlorthalidone +reserpine, diltiazem, enalapril, enalapril +hydrochlorothiazide, furosemide, guanethidine +hydrochlorothiazide, indapamide, labetalol, labetalol +hydrochlorothiazide, metoalazone, metoprolol, minoxidil, nadolol +bendroflumethiazide, nifedipine, propranolol +hydrochlorothiazide, quinethazone, quinidine gluconate, quinidine sulfate, timolol +hydrochlorothiazide, triamterene
hypoglycemics	<i>see sulfonylureas</i>
NSAIDs, antiarthritics, anti-inflammatory	auranofin, diclofenac, diflunisal, fenoprofen, flurbiprofen, gold compounds, ibuprofen, indomethacin, ketoprofen, meclofenamate, naproxen, phenylbutazone, piroxicam, sulindac, suprofen, tolmetin
oral contraceptives & estrogens	estrogens ; chlorotrianisene, diethylstilbestrol, estradiol, estrogens (conjugated and esterified), estropipate progesterones ; ethinyl estradiol, medroxyprogesterone, megestrol, norethindrone, norgestrel, quinestrol
phenothiazines	<i>see antipsychotics</i>
psoralens	methoxsalen, trioxsalen
sulfonamides	sulfacytine, sulfadiazine, sulfadoxine, sulfadoxine +pyrimethamine, sulfamethizole, sulfamethoxazole, sulfapyridine, sulfasalazine, sulfapyrazone, sulfisoxazole, sulfone
sulfonylureas, oral hypoglycemics	acetoheamide, chlorpropamide, glipizide, glyburide, tolazamide, tolbutamide
sunscreen ingredients	6-Acetoxy-2,4,-dimethyl-m dioxane, benzophenones, cinnamates, oxybenzone, paba esters, PABA (para-aminobenzoic acid)
tetracyclines	chlortetracycline, demeclocycline, docycycline, methacycline, minocycline, oxytetracycline, tetracycline
thiazide diuretics	bendroflumethiazide, benzthiazide, chlorothiazide, chlorthalidone, cyclothiazide, hydrochlorothiazide, hydroflumethiazide, poythiazide, rauwolfia serpentina +bendroflumethiazide, reserpine +chlorothiazide, reserpine +hydralazine +hydrochlorothiazide, reserpine +hydrochlorothiazide, trichlormethiazide

tranquilizers	<i>see antipsychotics</i>
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Photosensitizing medications, alphabetical

a	acetazolamide, acetoexamide, acetophenazine, amiodarone, amitriptyline, amoxapine, astemizole, atenolol +chlorthalidone, auranofin, azatadine,
b	bendroflumethiazide, benzophenones, benzthiazide, bromodiphenhydramine +codeine, brompheniramine, buclizine, butaperazine,
c	captopril, carbamazepine, carbinoxamine, carphenazine, chlordiazepoxide + amitriptyline, chloretracycline, chlorothiazide, chlorotrianisene, chlorpheniramine, chlorpheniramine + phenylpropanolamine, chlorpheniramine + pseudoephedrine, chlorpromazine, chlorpropamide, chlorprothixene, chlorthalidone, cinnamates, ciprofloxacin, clemastine, clofazime, clorthalidone + reserpine, cyclobenzaprine, cyclizine, cyclothiazide, cyproheptadine
d	dacarbazine, danazol, demeclocycline, dexchlorpheniramine, diclofenac, diflunisal, diltiazem, dimenhydrinate, 6-Acetoxy-2,4,-dimethyl-m dioxane, diphenhydramine, diphenylpyraline, doxylamine, diethylstilbestrol, desipramine, doxepin, doxycycline
e	enalapril, enalapril +hydrochlorothiazide, erythromycin ethylsuccinate + sulfisoxazole, ethionamide, ethoproopazine, estradiol, estrogens (conjugated and esterified), estropipate ethinyl estradiol
f	fentichlor, fenoprofen, floxuridine, flurbiprofen, flucytosine, fluorouracil, fluphenazine, flutamide, furosemide
g	gentamicin, glipizide, glyburide, gold compounds, griseofulvin, guanethidine +hydrochlorothiazide
h	haloperidol, hexachlorophene, hydrochlorothiazide, hydroflumethiazide, hydroxyzine
i	ibuprofen, imipramine, indapamide, indomethacin, interferon α -2B, isocarboxazid, isotretinoin,
j	jadit
k	ketoprofen
l	labetalol, labetalol +hydrochlorothiazide, lovastatin
m	maprotiline, meclizine, meclofenamate, medroxyprogesterone, megestrol, mesoridazine, methacycline, methapyrilene, methazolamide, methdilazine, methotrexate, methotrimprazine, methoxsalen, metoalazone, metoprolol, minocycline, minoxidil, multifungin
n	nabilone, nadolol +bendrofumethiazide, nalidixic acid, naproxen, nifedipine, norethindrone, norfloxacin, norgestrel, nortroptyline
o	orphenadrine, oxybenzone, oxytetracycline
p	PABA (para-aminobenzoic acid), perphenazine, perphenazine + amitriptyline, pheniramine, phenylbutazone, phenylpropanolamine + chlorpheniramine, phenylpropanolamine + pheniramine + pyrilamine, phenytoin, piperacetazine, piroxicam, polythiazide, prochlorperazine, promazine, promethazine, propiomazine, propranolol + hydrochlorothiazide, protriptyline, pyrazinamide, pyrilamine
q	quinestrol, quinethazone, quinidine gluconate, quinidine sulfate, quinine,
r	rauwolfia serpentina + bendroflumethiazide, reserpine +chlorothiazide, reserpine +hydralazine +hydrochlorothiazide, reserpine +hydrochlorothiazide,
s	selegiline, sulfacytine, sulfadiazine, sulfadoxine, sulfadoxine +pyrimethamine, sulfamethizole, sulfamethoxazole, sulfapyridine, sulfasalazine, sulfinpyrazone, sulfisoxazole, sulfone, sulindac, suprofen
t	terfenadine, tetracycline, thiethylperazine, thioridazine, thiothixene, timolol +hydrochlorothiazide, tolazamide, tolbutamide, tolmetin, tretinoin, triamterene, trichlormethiazide, trifluoperazine, triflupromazine, trimeprazine, trimethoprim, trimethoprim +sulfamethoxazole, trimipramine, trioxsalen, tripeleminamine, triprolidine
v	vinblastine

*Modified from Levine JJ. Medications that increase sensitivity to light; a 1990 listing. Rockville, Md; US Dept. of Health and Human Services

Porphyria; drugs that may precipitate acute porphyria

a	alcuronium, alphaxalone , alphadolone , alprazolam, aluminum preparations, amidopyrine, aminoglutethimide, aminophylline, amitriptyline , amylobarbitone , <i>amphetamines</i> , antipyrine, apronalide, auranofin , aurothiomalate , azapropazone
b	baclofen, barbiturates , bemegride , bendrofluzide, benoxaprofen, benzbromarone, <i>benzylthiouracil</i> , <i>bepriidil</i> , bromocriptine, busulphan, butylscopolamine
c	captopril, carbamazepine , carbromal , carisoprodol , cefuroxime, cephalixin, cephalosporins, cephradine, chlorambucil, chloramphenicol , chlordiazepoxide , chlormezanone , chloroform, chlorpropamide, cimetidine, cinnarizine, clemastine, <i>clobazam</i> , <i>clomipramine HCL</i> , <i>clonazepam</i> , clorazepate , cocaine, colistrin, co-trimoxazole, cyclophosphamide, cycloserine, cyclosporine
d	danazol, dapsone , dexfenfluramine, dextropropoxyphene, diazepam, dichloralphenazone, diclofenac NA, diethylpropion, dihydralazine, dihydroergotamine, dimenhydrinate , diphenhydramine , dothiepin HCL, doxycycline, hydrogesterone
e	econazole NO³ , enalapril , enflurane, ergometrine maleate, ergot compounds , ergotamine tartrate, erythromycin , estramustine , ethamsylate, ethanol , ethionamide, ethosuximide, ethotoin , etidocaine, etomidate
f	flufenamic acid, flunitrazepam, fluroxine, furosemide
g	glutethimide, gold preparations, griseofulvin
h	halothane, hydantoin (phenytoin, ethotoin, mephenytoin), hydralazine, hydrochlorothiazide, hyoscine N-butyl bromide
i	imipramine, isoniazid, isopropylmeprobamate
k	ketamine, ketoprofen
l	lead, lidocaine, lignocaine
m	mephenezine, meprobamate, mercury compounds, methoxyflurane, methsuximide, methyl dopa, methyprylone, metoclopramide, metyrapone, metronidazole
n	nalidixic acid, nikethamide, novobiocin, nitrazepam, nitrofurantoin
o	oral contraceptives, oxazolidinediones (paramethadione and trimethadione), oxazepam
p	pancuronium, paraldehyde, pargyline, pentazocine, pentylenetetrazol, pethidine, phenoxybenzamine, phenylbutazone, phenylhydrazine, primidone, probenecid, progesterone, propanidid, pyrazinamide, pyrazolones (amidopyrine, antipyrine, isopropylantipyrine, dipyrone, sodium phenyl dimethyl pyrazolone), pyrimethamine
s	spironolactone, steroids, succinimides (ethosuximide, methsuximide, phensuximide), sulphonal, sulfonamides, sulfonyleureas, sulthiame
t	tetracyclines, theophylline, tolazamide, tolbutamide, tranlycypromine, trional, troxidone
v	valproic acid, sodium valproate
x	Xylocaine

Porphyria; drugs thought to be safe in acute porphyria

a	acetazolamide, adrenaline, amethocaine, amytriptyline, aspirin, atropine
b	biguanides (phenformin, metformin), bromides, bumetanide, bupivacaine, buprenorphine
c	cephalexin, cephalosporins, chloral hydrate, chloramphenicol, chlormethiazole, chlorpheniramine, chloroquine, chlorpromazine, chlorothiazide, clofibrate, clonazepam, codeine, colchicine, corticosteroids, cyclizine
d	dexamethasone, diamorphine, diazepam, diazoxide, digitalis, diphenhydramine, dicoumarol anticoagulant, droperidol, digoxin
e	EDTA, ether (diethyl)
f	fentanyl, flurbiprofen,

g	gentamicin, glipizide, guanethidine
h	heparin, hydrallazine, hyoscine
i	ibuprofen, imipramine, indomethacin, insulin
k	ketamine
l	labetalol, lithium
m	mecamylamine, meclizine, mefenamic acid, mersalyl, methadone, methylphenidate, morphine
n	naproxen, neostigmine, nitrofurantoin, nitrous oxide, nortriptyline
o	oxazepam
p	paracetamol, paraldehyde, penicillins, penicillamine, petinidine, phenoperidine, phenylbutazone, prednisolone, procaine, prisocaine, promethazine, propantheline bromide, propanidid, primaquine, prochlorperazine, promazine, propoxyphene, propranolol, prostigmine, pyrimethamine
q	quinine
r	rauwolfia alkaloids, reserpine, resorcinol, rifampicin
s	salicylates, streptomycin, succinylcholine
t	tetracycline, tetraethylammonium bromide, thiouracil, trifluoperazine, thiazides, trifluoperazine, tripeleminamine, tubocurarine
v	sodium valproate, vitamin B, vitamin C

Michael R. Moore, Tschudy DP, Ann Intern Med 1975; 83: 851-64.

Pseudoporphyria; associated drugs; categories

antiarrhythmics	amiodarone, quinidine
antibiotics	nalidixic acid, tetracycline, oxytetracycline
chemotherapy	5-fluorouracil, busulfan
diuretics	furosemide, chlorthalidone, butemide, triamterene/hydrochlorothiazide
foods	cola
hormones	estrogens/progesterones
immunosuppressants	cyclosporine, methotrexate
muscle relaxants	carisoprodol/aspirin
NSAIDs	naproxen, diflunisal, ketoprofen, nabumetone, oxaprozin
other	barbiturates, colchicine, chronic renal failure, hemodialysis, ultraviolet A radiation/sunbeds
sulfones	dapsone
sulfonylureas	tolbutamide
vitamin A derivatives	etretinate, isotretinoin
vitamins	brewer's yeast, pyridoxine, iron preparations

Pseudoporphyria; associated drugs; alphabetical

a	amiodarone
b	barbiturates, brewer's yeast, busulfan, butemide
c	carisoprodol/aspirin, chlorthalidone, chronic renal failure, cola, colchicine, cyclosporine
d	dapsone, diflunisal
e	estrogens, etretinate
f	5-fluorouracil, furosemide
h	hemodialysis

i	iron preparations, isotretinoin
k	ketoprofen
m	methotrexate
n	nabumetone, nalidixic acid, naproxen
o	oxaprozin, oxytetracycline
p	progesterones, pyridoxine
q	quinidine
t	tetracycline, tolbutamide, triamterene/hydrochlorothiazide
u	ultraviolet A radiation/sunbeds,

Pseudoporpyria; drugs thought to be safe

NSAIDs	diclofenac, indomethacin, sulindac
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Checketts SR, et al. Cutis 1999;63:223-5.