

Oral Treatment Considerations Due to Systemic Conditions			
Systemic Condition	Cause	Oral Considerations	Treatment Considerations
Coagulation disorders	Anticoagulation therapy Chemotherapy Liver cirrhosis Renal disease	Increased bleeding risk	Alter anticoagulation therapy Limit dental-alveolar surgery Use topical anticoagulation methods
Immunosuppression	Alcoholic cirrhosis Chemotherapy Diabetes Medications Organ transplant therapy Renal disease	Microbial infections	Appropriate antimicrobial medications
Joint replacements	Accidents Osteoarthritis Rheumatoid arthritis	Increased risk for late prosthetic joint infections	Antibiotic prophylaxis
Radiation sequelae	Head and neck radiation	Salivary hypofunction Mucositis Osteoradionecrosis Increased caries risk Dysphagia Dysgeusia Difficulty with mastication Microbial infections Impaired denture retention	Regular fluoride use Salivary substitutes and stimulants Aggressive oral hygiene and recall Pain management
Steroid therapy	Autoimmune diseases Organ transplant therapy	Microbial infections Increased risk for adrenal insufficiency	Appropriate antimicrobial medications Steroid supplementation for dental procedures
Valvular damage/heart murmur	Acquired heart defects Congenital heart defects Valvular transplants	Increased risk for developing subacute bacterial endocarditis	Antibiotic prophylaxis

Overview of Oral Sequelae of Medication Intake for Systemic Diseases [cont. next page]

Drug Category	Drug	Oral Problem
Analgesics	Aspirin NSAIDs Barbiturates, codeine	Hemorrhage, erythema multiforme Hemorrhage Erythema multiforme
Anesthetics (local)	Benzocaine, Procaine HCl, Lidocaine	Taste disorders
Antiarrhythmics	Procainamide Quinidine	Lupus-like reaction Lichenoid mucosal reaction
Antiarthritic, antipyretic, antiinflammatory	Allopurinol, Auranofin, Colchicine, Dexamethasone, Hydrocortisone, Levamisole, D-Penicillamine, Phenylbutazone, Salicylates, 5-Thiopyridoxine Gold Salts	Taste disorders
Antibiotics	All Erythromycin Penicillin	Taste disorders, lichenoid reaction, oral pigmentation, vesiculoulcerative stomatitis Oral candidiasis Hypersensitivity reaction, vesiculoulcerative stomatitis Hypersensitivity reaction, erythema multiforme, vesiculoulcerative stomatitis
	Chloramphenicol, Ciprofloxacin Clindamycin, Dapsone, Isoniazid, Sulfa antibiotics, Tetracyclines Minocycline Chlorhexidine Ampicillin, Cefamandole, Ethambutol HCl, Griseofulvin, Lincomycin, Metronidazole, Niridazole, Sulfasalazine, Tetracyclines	Erythema multiforme Melanosis Brown pigmentation of teeth and tongue
Anticoagulants	All	Taste disorders
Anticonvulsants	Carbamazepine Phenytoin	Hemorrhage Erythema multiforme, taste disorders Erythema multiforme, gingival enlargement, taste disorders
Antidiarrhea	Bismuth	Dark pigmentation of tongue
Antihistamines	All Chlorpheniramine maleate	Salivary dysfunction Taste disorders
Antihypertensives	All Calcium channel blockers ACE inhibitors Chloramphenicol Hydralazine Methyldopa Thiazide diuretics Minoxidil, Verapamil Acetazolamide, Amiloride, Captopril, Diazoxide, Diltiazem, Enalapril, Ethacrynic acid, Nifedipine	Salivary dysfunction Gingival enlargement Vesiculoulcerative stomatitis, pemphigus vulgaris Vesiculoulcerative stomatitis Lupus-like reaction, erythema multiforme Lupus-like reaction and lichenoid mucosal reaction Lichenoid mucosal reaction Erythema multiforme Taste disorders
Antilipidemics	Cholestyramine, Clofibrate	Taste disorders
Antimicotics	Griseofulvin Amphotericin B	Erythema multiforme, black pigmentation of tongue Taste disorders
Antineoplastics	All	Oral candidiasis, oral hemorrhage, recurrent oral viral infections, aphthous stomatitis, vesiculoulcerative stomatitis
Anti-Parkinsonian	All Levodopa	Salivary dysfunction Taste disorders
Antireflux agents	All Cimetidine	Salivary dysfunction Erythema multiforme
Antithyroids	Carbimazole, Methimazole, Methylthiouracil, Propylthiouracil, Thiouracil	Taste disorders
Antioxidants	Octyl gallate	Allergic ulcerations
Anxiolytics	Benzodiazepines	Salivary dysfunction
Chelating agents	Penicillamine	Ulcers and pemphigus vulgaris

Overview of Oral Sequelae of Medication Intake for Systemic Diseases [cont.]

Drug Category	Drug	Oral Problem
Corticosteroids, immunosuppressants, antiproliferatives	All Azathioprine, Bleomycin, Carmustine, Doxorubirin, 5-Fluorouracil, Methotrexate, Vincristine Sulfate Cyclosporine	Oral candidiasis, recurrent oral viral infections, vesiculoulcerative stomatitis Taste disorders Gingival enlargement
Hypoglycemics	Sulfonylurea agents Glipizide, Phenformin and derivatives	Erythema multiforme Taste disorders
Muscle Relaxants	All Baclofen, Chlorzoxazone	Salivary dysfunction Taste disorders
Others	Etidronate, Germine Monoacetate, Idoxuridine, Iron Sorbitex, Vitamin D	Taste disorders
Psychotherapeutics	All Glutethimide, Meprobamate Phenothiazines Lithium Carbonate Trifluoperazine HCl	Salivary dysfunction Erythema multiforme Oral pigmentation, tardive dyskinesia Erythema multiforme, taste disorders Taste disorders
Sympathomimetics	Amphetamines, Amrinone	Taste disorders
Vasodilators	Bamifyline HCl, Dipyridamole, Nitroglycerin Patch, Oxyfedrine	Taste disorders