

XEROSTOMIA

The hidden cause of gum disease and tooth loss in a quarter of adult population

Some drugs that may cause xerostomia

Anaesthesia

- **General anaesthesia**
- **Sedative and analgesic peri-operative drugs**
- **Non-opioid analgesics**
Ketorolac trometamol

Cardiovascular System

- **Diuretics**
- **Loop diuretics**
- **Potassium sparing diuretics and aldosterone antagonists**
- **Anti-arrhythmic drugs**
- **Drugs for arrhythmias Super-ventricular and ventricular arrhythmias**
Disopyramide
Propafenone hydrochloride
- **Beta-adrenoceptor blocking drugs**
Carvedilol
- **Hypertension and heart failure**
- **Centrally acting Hypertension drugs**
Clonidine hydrochloride
Methyldopa
Moxonidine
- **Alpha- adrenoceptor blocking drugs**
Indoramin
- **Phaeochromocytoma**
Phenoxbenzamine hydrochloride
- **Angiotensin-converting enzyme inhibitors**
Enalapril maleate
Imidapril hydrochloride
Lisinopril
Moexipril hydrochloride
Ramipril
Trandolapril
- **Angiotensin –II receptor antagonists**
Telmisartan
- **Nitrates, calcium channel-blockers and other antianginal drugs**
- **Calcium channel-blockers**
Amlodipine
- **Anticoagulants and protamine**
- **Parental anticoagulants**
Epoprostenol

Central Nervous System

- **Hypnotics and anxiolytics**
- **Hypnotics**
Zaleplon
Zolpidem
Zopiclone
- **Anxiolytics**
Buspirone
Buspirone hydrochloride
- **Drugs used in Psychoses and related disorders**
- **Antipsychotic drugs**
Benperidol
Chlorpromazine hydrochloride
Flupentixol/ Flupentixol
Fluphenazine hydrochloride
Haloperidol
Levomopromazine/Methotrimeprazine
Pericyazine/pericazine
Perphenazine
Pimozide
Prochlorperazine
Promazine hydrochloride
Sulpride
Trifluoperazine
Zuclopentixol acetate
Zuclopentixol Dihydrochloride

Atypical antipsychotics

- Amisulpride
Clozapine

- Quetiapine
Sertindole
Zotepine
- **Antidepressant drugs**
- **Tricyclic and related antidepressant drugs**
Tricyclic antidepressants
Amitriptyline hydrochloride
Amoxapine
Clomipramine hydrochloride
Dosulepin hydrochloride/ Dothiepin hydrochloride
Doxepin
Imipramine hydrochloride
Lofeframine
Nortriptyline
Trimipramine

- **Related antidepressants**
Maprotiline hydrochloride
Mianserin Hydrochloride
Trazodone hydrochloride

- **Monoamine-oxidase inhibitors (MAOIs)**
Phenelzine
Socarbocaxid
Tranylcypromine

- **Reversible MAOIs**
Moclobemide

- **Selective serotonin re-uptake inhibitors**
Citalopram
Escitalopram
Fluoxetine
Fluvoxamine maleate
Paroxetine
Sertraline
- **Other antidepressant drugs**
Reboxetine
Venlafaxine
- **CNS stimulants and other drugs used for attention deficit hyperactivity disorder**
Atomoxetine
Dexamfetamine sulphate/
Dexampfetamine sulphate
Modafinil
- **Drugs used in treatment of obesity**
- **Centrally acting appetite suppressants**
Sibutramine hydrochloride
- **Drugs used in nausea and vertigo**

- **Antihistamines**
Cinnarizine
Cyclizine
Meclozine hydrochloride
Promethazine hydrochloride
Promethazine teoclate

- **Phenothiazines and related drugs**
Chlorpromazine hydrochloride
Perphenazine
Prochlorperazine
Trifluoperazine

- **5HT3 antagonists**
Palonosetron

- **Neurokinin receptor agonist**
Aprepitant

- **Cannabinoid**
Nabilone

- **Hyoscine**
Hyoscine hydrobromide/ Scopolamine hydrobromide
- **Analgesics**
- **Non-opioid analgesics**

- Nefopam hydrochloride
- **Opioid analgesics**
Morphine salts
Buprenorphine
Codeine Phosphate
Diamorphine hydrochloride/Heroin hydrochloride
Dihydrocodeine tartrate
Dipipanone hydrochloride
Fentanyl
Hydromorphone hydrochloride
Meptazinol
Methadone hydrochloride
Oxycodone hydrochloride
Papaveretum
Pentazocine
Pethidine hydrochloride
Tramadol hydrochloride
- **Anti migraine drugs**
- **Treatment of acute migraine attack**

- **5HT agonists**
Almotriptan
Eletriptan
Frovatriptan
Rizatriptan
Zolmitriptan
- **Prophylaxis of migraine**
Pizotifen (antimuscarinic effects)
Clonidine hydrochloride
- **Antiepileptics**
- **Control of epilepsy**
Gabapentin pregabalin
Topiramate
- **Drugs used in parkinsonism and related disorders**
- **Dopaminergic drugs used in parkinsonism**
Entacapone
Rasagiline
Selegiline hydrochloride

- **Antimuscarinic drugs used in parkinsonism**
Benzatropine mesilate/ Benztropine mesylate
Orphenadrine hydrochloride
Procyclidine hydrochloride
Trihexyphenidyl hydrochloride/
Benzhexol hydrochloride
- **Drugs used in essential tremor, chorea, tics and related disorders**

- **Torsion dystonias and other involuntary movements**
Botulinum A toxin (specific side-effects in torticollis)
Botulinum B toxin
- **Drugs used in substance dependence**

- **Cigarette smoking**
Bupropion/ Amfebutamone nicotine

- **Opioid dependence**
Lofexidine Hydrochloride

Endocrine System

- **Drugs affecting bone metabolism**
- **Bisphosphonates and other drugs affecting bone metabolism**
- **Other endocrine drugs**
- **Bromocriptine and other dopaminergic drugs**
Bromocriptine

Eye

- **Corticosteroids and other anti-inflammatory preparations**
Epinastine Hydrochloride

- Ketotifen
- **Treatment of glaucoma**
- **Sympathomimetics**
Brimonidine tartrate
- **Corbionic anhydrase inhibitors and systemic drugs**
Brinzolamide
- **Miscellaneous ophthalmic preparations and photodynamic treatment**
- **Ocular diagnostic and peri-operative preparations and photodynamic treatment**
- **Ocular Peri-operative drugs**
Apraclonidine

Gastro intestinal System

- **Antispasmodics and other drugs altering gut motility**
Antimuscarinics
Atropine Sulphate
Dicycloverine hydrochloride/
Dicyclomine hydrochloride
Hyoscine butylbromide
Propantheline bromide
- **Ulcer healing drugs**
- **H2 Receptor antagonists**
Famotidine
- **Chelates and complexes**
Sucralfate
- **Proton Pump inhibitors**
Esomeprazole
Lansoprazole
Omeprazole
Pantoprazole
Rabeprazole sodium

Infections

- **Antibacterial drugs**
- **Cephalosporins, and other beta-lactams**
- **Other beta-lactam antibiotics**
Ertapenem
- **Some other antibacterials**
Chloramphenicol
Linezolid
- **Antituberculous drugs**
Isoniazid
- **Quinolones**
Moxifloxacin
- **Antiviral drugs**
- **HIV Infection**
Nucleoside reverse transcriptase inhibitors
Didanosine(ddI,DDI)
Zalcitabine (ddC,DDC)
Protease Inhibitors
Indinavir
Lopinavir with Ritonavir
Ritonavir
- **Respiratory syncytial virus**
Ribavirin (Tribavirin)

Malignant Disease and Immunosuppression

- **Sex Hormones and hormone antagonists in malignant disease**
- **Hormone agonists**
- **Prostate Cancer and gonadorelin analogues**
Triptorelin

Musculoskeletal and Joint Diseases

- **Drugs in rheumatic diseases and gout**
- **Non-steroidal anti-inflammatory drugs**
Etoricoxib
Lumiracoxib
- **Drugs used in neuromuscular disorders**

- **Skeletal muscle relaxants**
Baclofen
Tizanidine

Nutrition and Blood

- **Anaemias and some other blood disorders**
- **Drugs used in platelet disorders**
Anagrelide

Obstetrics, Gynaecology and Urinary-Tract Disorders

- **Drugs for genitourinary disorders**
- **Drugs for urinary retention**
Alpha-blockers
Alfuzosin hydrochloride
Doxazosin
Indoramin
Prazosin hydrochloride
Tamsulosin hydrochloride
Trazosin
- **Drugs for urinary frequency, enuresis and incontinence**
Duloxetine
Flavoxate hydrochloride
Oxybutynin hydrochloride
Propantheline bromide
Propiverine hydrochloride
Solifenacin succinate
Tolterodine tartrate
Trospium Chloride
- **Drugs for erectile dysfunction**
Alprostadil

Respiratory System

- **Bronchodilators**
- **Adrenoceptor agonists**
- **Other adrenoceptor agonists**
Ephedrine hydrochloride
- **Antimuscarinic bronchodilators**
Ipratropium bromide
Tiotropium
- **Cromoglicate and related therapy, leukotriene receptor agonists and omalizumab**
Ketotifen
- **Leukotriene receptor antagonists and omalizumab**
Montelukast
- **Antihistamines, hyposensitisation and allergic emergencies**
- **Antihistamines**
Non sedating antihistamines
Acrivastine
Cetirizine hydrochloride
Desloratadine
Fexofenadine Hydrochloride
Levocetirizine Dihydrochloride
Loratadine
Mizolastine
- **Sedating antihistamines**
Alimemazine tartrate/Trimeprazine tartrate
Chlorphenamine maleate/Chlorpheniramine mealeate
Clemastine
Cyproheptadine hydrochloride
Hydroxyzine hydrochloride
Promethazine hydrochloride

Skin

- **Topical local anaesthetics and antipruritics**
Doxepin hydrochloride