

Table 15.1. Oral Side Effects and Interactions of Drugs Used in Neurodevelopmental Disorder (and Some Overlap with Psychiatric and Neurological Disorders)

Drug Generic/ Proprietary Names	Class/Indication	Oral Side Effects	Dental Drug Interactions/ Precautions
Common drugs to treat autism spectrum disorders (ASDs)			
Fluoxetine Prozac® Sarafem®	Antidepressant (SSRI)/control repetitive behavior in ASD; also treat MDD, OCD, panic attack, ED, ADHD, PTSD, phobias	Dry mouth	None
Sertraline Zoloft®	Antidepressant (SSRI)/control repetitive behavior in ASD; also treat MDD, OCD, PTSD, panic attacks, social anxiety	Dry mouth	Aspirin, NSAIDs, diazepam
Lithium Lithobid®	Antimanic agent/control aggression in ASD, prevent mania in BPD, schizophrenia	Dry mouth, excess saliva, swollen lips, tongue pain, salivary gland enlargement, metallic taste, dysgeusia	NSAIDs, metronidazole
Carbamazepine Tegretol® Carbatrol®	Antiseizure/control aggression in ASD, BPD, seizure disorders	Dry mouth	Acetaminophen, tramadol, alprazolam, lorazepam, doxycycline, erythromycin, clarithromycin, itraconazole, ketoconazole
Valproate/divalproex (valproic acid) Depakene® Depakote®	Antiseizure/control aggression in ASD, mania in BPD, seizure disorders	Bone marrow suppression with thrombocytopenia at high doses, stomatitis, taste perversion, dry mouth	Aspirin, acyclovir, erythromycin, lorazepam
Risperidone Risperdal®	Atypical antipsychotic/control aggression in ASD; also treat schizophrenia, BPD	Dry mouth, hypersalivation, stomatitis	None
Olanzapine Zyprexa®	Atypical antipsychotic/control aggression in ASD; also treat schizophrenia, BPD	Dry mouth	Ciprofloxacin

Common drugs to treat attention deficit hyperactivity disorder (ADHD)

Methylphenidate Ritalin®	CNS stimulant/control hyperactivity	Dry mouth	None
Concerta®	CNS stimulant/control hyperactivity	Dry mouth, dysgeusia	Propoxyphene
Amphetamine and dextroamphetamine Adderall® Dexedrine®	Antidepressant (SNRI), also to treat MDD	Dry mouth	None
Atomoxetine Strattera®	Atypical antidepressant; also for smoking cessation; to treat MDD, seasonal affective disorder	Dry mouth, dysgeusia	Dexamethasone
Bupropion Wellbutrin® Zyban®	Antidepressant (tricyclic); also to prevent bedwetting; to treat MDD, ED, panic disorders	Dry mouth, dysgeusia	None
Imipramine Tofranil®			

Common antispasmodic drugs to treat cerebral palsy

Baclofen	®Muscle relaxant/antispasmodic	None	None
Gablofen® Lioresal®			
Dantrolene	Muscle relaxant/antispasmodic	None	None
Dantrium®			
Botulinum toxin Botox®	Muscle relaxant/antispasmodic		
Cyclobenzaprine Flexeril® Amrix®	Muscle relaxant/antispasmodic	Dry mouth	None

BPD, bipolar disease; CNS, central nervous system; ED, eating disorder; MDD, major depression; NSAIDs, nonsteroidal anti-inflammatory drugs; OCD, obsessive-compulsive disorder; PTSD, posttraumatic stress disorder; SNRI, serotonin–norepinephrine reuptake inhibitor; SSRI, selective serotonin reuptake inhibitor.

Table 15.2. Oral Side Effects and Interactions of Drugs used in Psychiatric Disorders

Drug Generic/ Proprietary Names	Class/Indications	Oral Side Effects	Dental Drug Interactions/Precautions
Venlafaxine Effexor®	Antidepressant (SNRI)/major depression; anxiety; panic disorder	Dry mouth	Tramadol, ketoconazole
Aripiprazole Abilify®	Atypical antipsychotic/ schizophrenia, BPD	Dry mouth; hypersalivation; involuntary tongue, face, mouth, and jaw movements (tongue sticking out, puffing of cheeks, mouth puckering, chewing movements); trouble swallowing, speech changes	None
Ziprasidone Geodon®	Atypical antipsychotic/ schizophrenia	Dry mouth, twitching of face or tongue, difficulty speaking or swallowing	Azithromycin, erythromycin, ketoconazole
Amitriptyline Elavil®	Antidepressant (tricyclic)/MDD, PTSD, chronic pain	Dry mouth, extrapyramidal symptoms, bone marrow suppression, stomatitis, peculiar taste, black tongue, paresthesias	NSAIDs, tramadol, epinephrine-containing local anesthesia
Paroxetine Paxil®	Antidepressant (SSRI)/PTSD, OCD, MDD, GAD, phobias, panic attacks	Dry mouth	Aspirin, NSAIDs, codeine, diazepam, dexamethasone, tramadol, meperidine
Citalopram Celexa®	Antidepressant (SSRI)/OCD, phobias, ED, panic attacks	Dry mouth	NSAIDs, ketoconazole, tramadol
Fluvoxamine Luvox®	Antidepressant (SSRI)/OCD, phobias	Dry mouth	Alprazolam, tramadol, triazolam, diazepam, ketoconazole, NSAIDs
Escitalopram Lexapro®	Antidepressant (SSRI)/OCD, phobias, GAD	Dry mouth	NSAIDs, tramadol
Lamotrigine Lamictal®	Anticonvulsant/mood stabilizer, BPD, seizure disorders, MDD	None	None

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Table 15.2. (Continued)

Drug Generic/ Proprietary Names	Class/Indications	Oral Side Effects	Dental Drug Interactions/Precautions
Chlorpromazine Thorazine®	Typical antipsychotic/schizophrenia, other psychotic disorders, BPD, severe aggressive behavior in ADHD	Dry mouth	None
Haloperidol Haldol®	Typical antipsychotic/schizophrenia, other psychoses, motor and verbal tics, severe aggressive behavior in ADHD	Dry mouth; hypersalivation; tongue protrusion or fine tongue movement; tardive dyskinesia; uncontrollable rhythmic face, mouth, jaw movements; bone marrow suppression	Erythromycin, narcotics
Perphenazine Trilafon®	Typical antipsychotic/schizophrenia	Dry mouth; hypersalivation; tongue protrusion or fine tongue movement; tardive dyskinesia; uncontrollable rhythmic face, mouth, jaw movements; bone marrow suppression	Narcotics, fluconazole, erythromycin, ciprofloxacin, clarithromycin, propoxyphene
Fluphenazine Prolixin® Permitil®	Typical antipsychotic/schizophrenia	Dry mouth	Meperidine
Quetiapine Seroquel® Permitil®	Atypical antipsychotic/schizophrenia, BPD, MDD	Hypersalivation, dry mouth, tongue sticking out	Fluconazole, itraconazole, ketoconazole, erythromycin, dexamethasone
Clozapine Clozaril® Fazaclor®	Atypical antipsychotic/schizophrenia	Bone marrow suppression, hypersalivation, dry mouth	Erythromycin

BPD, bipolar disease; ED, eating disorder; GAD, generalized anxiety disorder; MDD, major depression; NSAIDs, nonsteroidal anti-inflammatory drugs; OCD, obsessive-compulsive disorder; PTSD, posttraumatic stress disorder; SNRI, serotonin–norepinephrine reuptake inhibitor; SSRI, selective serotonin reuptake inhibitor.