

ANTI-SEIZURE DRUGS

Drug – Average Dose	Systemic Side Effects	Neurotoxic Side Effects	Rare Idiosyncratic reactions
Carbamazepine (Tegretol – Carbatrol) 600 mg – 1200 mg	Nausea, vomiting, diarrhea, low sodium, rash, itching, fluid retention	Drowsiness, dizziness, blurred or double vision, lethargy, headache	Bone marrow problems, hypersensitivity syndrome, liver problems, dermatitis/rash, serum sickness, pancreatitis
Ethosuximide (Zarontin) 500 mg – 1500 mg	Nausea, vomiting	Sleep disturbance, drowsiness, hyperactivity	Bone marrow problems, Hypersensitivity syndrome, liver problems, dermatitis/rash, serum sickness
Felbamate (Felbatol) 1200 mg – 3600 mg	Nausea, vomiting, loss of appetite, weight loss	Insomnia, dizziness, headache, imbalance	Aplastic anemia, liver problems
Gabapentin (Neurontin) 900 mg – 3600 mg	None known	Weakness, dizziness, imbalance	Unknown
Lamotrigine (Lamictal) 100 mg – 500 mg	Rash, nausea	Dizziness, weakness	Hypersensitivity syndrome
Levetiracetam (Keppra) 1000 mg – 3000 mg	Infection (low blood counts)	Fatigue, weakness, dizziness, weakness	Psychotic symptoms
Oxcarbazepine (Trileptal) 600 mg – 2400 mg	Double vision, nausea, vomiting, abnormal vision, abdominal pain, heartburn, rash	Imbalance, tremor, abnormal gait, weakness, dizziness	Low sodium
Phenobarbital 100 mg	Nausea, rash	Alteration of sleep cycles, sedation, lethargy, behavioral changes, hyperactivity, imbalance, tolerance, dependence	Bone marrow problems, Hypersensitivity syndrome, liver problems, dermatitis/rash
Phenytoin (Dilantin – Phenytek) 200 mg – 400 mg	Swollen gums, body hair increase, rash, enlarged lymph nodes	Confusion, slurred speech, double vision, imbalance, neuropathy (with chronic use)	Bone marrow problems, Hypersensitivity syndrome, liver problems, dermatitis/rash
Primidone (Mysoline) 250 mg – 1000 mg	Nausea, rash	Alteration of sleep cycles, sedation, lethargy, behavioral changes, hyperactivity, imbalance, tolerance, dependence	Bone marrow problems, hypersensitivity syndrome, liver problems, dermatitis/rash, serum sickness
Tiagabine (Gabitril) 32 mg – 56 mg	Nausea, abdominal pain	Dizziness/lightheadedness, weakness/lack of energy, sleepiness, nervousness/irritability, tremor, thinking, abnormal/difficulty concentrating	Serious rash
Topiramate (Topamax) 200 mg – 400 mg	Weight loss	Nervousness, difficulty concentrating, confusion, language problems	Acute myopia, secondary angle closure glaucoma, kidney stones
Valproate (Depakote - Depakene) 1750 mg – 3000mg	Weight gain, nausea, vomiting, hair loss, easy bruising	Tremor	Bone marrow problems, hypersensitivity syndrome, liver problems, dermatitis/rash, serum sickness, aplastic anemia, pancreatitis
Zonisamide (Zonegran) 100 mg – 600 mg	Loss of appetite, nausea	Sleepiness, headache, agitation/irritability, dizziness	Hypersensitivity syndrome, bone marrow problems, kidney stones
Clonazepam (Klonopin) 1.5 mg – 20 mg		Drowsiness, sleepiness, fatigue, imbalance	Behavior changes