

Set 6 (51-60) generic phenytoin (Dilantin) Brand

Classification: Hydantoins

Indication: Treatment for tonic-clonic seizures, prevention of status epilepticus, & treatment of seizures after neurosurgery.

S/E & adverse reactions: Ataxia, ^{coord problem} dysarthria, slurred speech, mental confusion, dizziness, fatigue, tremor, headache, dermatitis, Stevens-Johnson syndrome, nausea, gingival hyperplasia, liver damage, hematopoietic compl., sometimes fatal;

At high dose toxicity may occur causing nystagmus.

Nursing Considerations:

- Contraindications: don't take w/ valproic acid b/c breakthrough seizures may occur, avoid in pts w/ hypoglycemic seizures, sinus bradycardia, block, pregnancy or lactation, cautious → impaired liver & kidney function, alcoholism, blood disorders or hypotension
- Monitor pts for seizures
- Admin ~~w/~~ after meals to avoid stomach upset
- Educate pt to avoid driving &/or related activities when taking med
- Tell diabetics to monitor blood glucose

phenobarbital (Generic) →

Classification: Barbiturates

Indication: Sedative-hypnotic, control seizures, preanesthetic, short-term treatment of insomnia, long-term treatment of tonic-clonic seizures & cortical focal seizures, emergency control of certain acute convulsive episodes.

S/E & adverse reactions: Somnolence, agitation, confusion, hyperkinesias, ataxia, vertigo, CNS depre., hallucinations, bradycardia, hypotension, syncope,

nausea, vomiting, constipation, diarrhea, hypoventilation, apnea, withdrawal syndrome, rash, Stevens-Johnson syndrome

Nursing considerations:

- Contraindications: barbiturate sensitivity, hx of latent porphyria, liver impairment, nephrotic syndrome, absence seizures
- Monitor daytime drowsiness & "hangover" symptoms
- Be alert for depression, delirium, excitation, or other moods or behaviors

generic brand
diazepam (Valium)

Classification: Benzodiazepines

Indication: Anxiety, alcohol withdrawal, muscle relaxant, pre-op anxiolytic

S/E & adverse reactions: Mild drowsiness, depression, lethargy, apathy, fatigue, restlessness, bradycardia, tachycardia, constipation, diarrhea, incontinence, urinary retention, changes in libido, drug dependence w/ withdrawal syndrome.

Nursing considerations:

- Contraindications: allergy to benzodiazepines, psychosis, acute narrow-angle glaucoma, shock, coma, or acute alcoholic intoxication, pregnancy, cautious → elderly, debilitated pts, renal or hepatic dysfunction
- Do NOT administer intra-arterially, may produce arteriospasm, gangrene
- Change from IV therapy to oral therapy as soon as possible
- Don't use small veins for IV injection
- Monitor resp. status
- Don't give w/ other CNS depressants
- Monitor confusion, memory impairment & monitor coordination & gait
- Decreases effect w/ cigarettes & caffeine

Generic Brand
valproic acid (Depakene)

Classification: Anticonvulsants

Indication: Myoclonic seizures, second-choice drug treatment of absence seizures, Mania, migraine headaches, complex partial seizures

S/E & adverse reactions: Hepatotoxicity, birth defects, pancreatitis, GI effects, headache, tinnitus, blurred vision, ataxia, infection

Nursing considerations:

- Contraindications: allergy to drug, sulfonamides,

Cautious → renal or hepatic impairment, pregnancy or lactation

- Give w/ food if GI upset occurs, swallow don't crush
- Arrange pt to have platelet counts, bleeding time determination b/f therapy
- Monitor pt carefully for clotting defects (bruising, blood-tinged toothbrush), discontinue if there is evidence of hemorrhage, bruising, or disorder of hemostasis
- Monitor ammonia levels, stop if elevated

Generic
Carbamazepine (Tegevto) →

Classification: Antiepileptic, Partial seizures

Indication: Seizure disorders, partial seizures, w/ complex patterns, tonic-clonic seizures, mixed seizures, trigeminal neuralgia

S/E & adverse reactions: Drowsiness, ataxia, Nausea, vomiting, CV complications, hepatitis, hematological disorders, Stevens-Johnson syndrome

Nursing considerations:

- Contraindications: allergy to drug, hx of

bone marrow depression, concomitant use of MAOIs, lactation, pregnancy, cautious → hx of hematologic reaction to any drug, glaucoma, ↑ intraocular pressure, cardiac, hepatic, or renal damage, psychiatric pts

- Give w/ food
- DO CBC, including platelet count b/f therapy
- Don't crush or chew, swallow whole

Generic

Brand

Carbidopa-levodopa (Sinemet)

Classification: Dopaminergic agents

Indication: Treatment of idiopathic Parkinson's disease

S/E & adverse reactions: Anxiety, nervousness, headache, malaise, fatigue, confusion, mental changes, blurred vision, muscle twitching, ataxia, NVP, arrhythmias, hypotension, palpitations, bizarre breathing, ↑ sweating, bone marrow depression & hepatic dysfunction

Nursing considerations:

- Contraindications: allergy to drug, angle-closure glaucoma, lactation, ~~and~~ suspicious skin lesions (bc development of melanoma), CVD, MI, arrhythmias, hypotension, bronchial asthma, hx of peptic ulcers, urinary tract obstruction, & psych disorders, pregnancy
- Do not take w/ ~~antivitamin~~ Monitor BUN, creatinine levels, & hepatic function
- Vit B₆ is interferes w/ levodopa

Generic Brand
bethanechol (Duvoid) →

Classification: Direct-Acting cholinergic Agonist,
Parasympathetic class of drug

Indication: Treatment of nonobstructive post-op
& postpartum urinary retention, neurogenic bladder
atony in adults & children > 8 years old. Diagnosis &
treatment of reflux esophagitis in adults & usually
orally in infants & children for treatment of esopha-
geal reflux

SE & adverse reactions: Abdominal discomfort,
salivation, nausea, vomiting, sweating, flushing

Nursing considerations:

- Contraindications: allergy to drug, bradycardia, hypotension, vasomotor instability, CAD, peptic ulcer, intestinal obstruction, recent GI surgery, Asthma, bladder obstruction, epilepsy & parkinsonism
- Monitor BP, pulse, & resp. b/f admin
- Monitor I&O
- Palpate abdomen for bladder distention
- Take on empty stomach

atropine (Generic) →

Classification: Anticholinergic Agent / Parasympatholytics

Indication: Decrease secretions, bradycardia, pylorospasm, uterine colic, relaxing of bladder, emotional lability with head injuries, antidote for cholinergic drugs, pupil dilation

SE & adverse reactions: Blurred vision, mydriasis, cycloplegia, photophobia, palpitations, tachycardia, dry mouth, altered taste perception, urinary hesitancy

→ dilation of eye

and retention, decreased sweating, and predisposition to heat prostration

Nursing Considerations:

- Contraindications: allergy to drug, exacerbated by blocking of the parasympathetic nervous system, glaucoma, peptic ulcer, paralytic ileus, GI obstruction, prostatic hypertrophy, bladder obstruction
- Avoid driving or operating heavy machinery
- Reduce lighting b/c of photophobia
- Monitor GI motility (BMs & Flatus) & urine
- Given IM, SC, PO, or IV
- Monitor for signs of increased intraocular pressure