

phenytoin (<i>Dilantin</i>)		
Classification	Indication	
<ul style="list-style-type: none"> ● Hydantoins ● Anticonvulsant 	<ul style="list-style-type: none"> ● Antiseizure agents ● prevention of seizures during neurosurgery 	
Side effects/Adverse Reactions	Contraindications	Nursing Considerations
<ul style="list-style-type: none"> ● Ataxia, dysarthria, slurred speech, mental confusion, dizziness, fatigue, tremor, headache ● dermatitis, Stevens-Johnson syndrome ● nausea, gingival hyperplasia, liver damage, hematopoietic complications, sometimes fatal. ● At higher doses and with toxicity may see nystagmus. 	<ul style="list-style-type: none"> ● Hypersensitivity ● Rash, seizures due to hypoglycemia, sinus bradycardia ● Complete or incomplete heart block ● Adama-Stokes syndrome ● Pregnancy Category D ● Lactation 	<ul style="list-style-type: none"> ● Monitor vital signs and symptoms during IV infusion ● Urine may be pink or red to red-brown ● Be alert to symptoms of hypomagnesemia, seizures, tremors, vertigo ● Do not alter prescribed drug regimen or stop abruptly ● Alcohol may increase phenytoin serum levels

phenobarbital (<i>Solfoton, Luminal</i>)		
Classification	Indication	
<ul style="list-style-type: none"> ● Barbiturates used as Anxiolytic-Hypnotics ● Anticonvulsant 	<ul style="list-style-type: none"> ● Sedation, short-term treatment of insomnia, long-term treatment of tonic-clonic seizures and cortical focal seizures, emergency control of certain acute convulsive episodes, preanesthetic 	
Side effects/Adverse Reactions	Contraindications	Nursing Considerations
<ul style="list-style-type: none"> ● Somnolence, agitation, confusion, hyperkinesias, ataxia, vertigo, CNS depression, hallucinations ● bradycardia, hypotension, syncope ● nausea, vomiting, constipation, diarrhea, hypoventilation, apnea, withdrawal syndrome ● rash, Stevens-Johnson syndrome 	<ul style="list-style-type: none"> ● Severe respiratory or kidney disease ● Uncontrolled pain ● Pregnancy Category D ● Lactation ● Controlled Substance: Schedule IV 	<ul style="list-style-type: none"> ● Drowsiness during first few weeks of treatment ● Do not consume alcohol ● Increase vitamin D-fortified foods ● Maintain adequate dietary folate intake: fresh vegetables, fresh fruits, whole grains, liver ● Avoid pregnancy

diazepam (Valium)		
Classification	Indication	
<ul style="list-style-type: none"> ● Benzodiazepines Used as Anxiolytic-Hypnotics ● Anticonvulsant 	<ul style="list-style-type: none"> ● Management of anxiety disorders, acute alcohol withdrawal, muscle relaxation, and preoperative relief of anxiety and tension 	
Side effects/Adverse Reactions	Contraindications	Nursing Considerations
<ul style="list-style-type: none"> ● Mild drowsiness, depression, lethargy, apathy, fatigue, restlessness ● bradycardia, tachycardia ● constipation, diarrhea, incontinence, urinary retention, changes in libido, drug dependence with withdrawal syndrome 	<ul style="list-style-type: none"> ● Shock, coma, acute alcohol intoxication, depressed vital signs, obstetrical patients ● Pregnancy Category D ● Lactation ● Controlled Substance: Schedule IV 	<ul style="list-style-type: none"> ● Monitor for adverse reactions ● Monitor I&O ● Avoid alcohol and other CNS depressants during therapy ● Supervise ambulation

valproic acid (Depakene)		
Classification	Indication	
<ul style="list-style-type: none"> ● Drugs that Modulate the Inhibitory Neurotransmitter GABA ● GABA inhibitor 	<ul style="list-style-type: none"> ● Treatment of partial seizures and absence seizures 	
Side effects/Adverse Reactions	Contraindications	Nursing Considerations
<ul style="list-style-type: none"> ● Hepatotoxicity, birth defects ● pancreatitis, GI effects, headache, tinnitus, blurred vision, ataxia, and infection 	<ul style="list-style-type: none"> ● Hypersensitivity ● Thrombocytopenia ● Pt with bleeding disorders or liver dysfunction or disease ● AIDS ● Pregnancy Category D ● Lactation 	<ul style="list-style-type: none"> ● Do not discontinue therapy abruptly ● Diabetic pts: false-positive test for urine ketones ● Notify physician for bleeding or bruising ● Avoid alcohol and self-medication with other depressants during therapy

carbamazepine (Tegretol, Epitol)	
Classification	Indication
<ul style="list-style-type: none"> ● Drugs for Treating 	<ul style="list-style-type: none"> ● Treatment of seizure disorders, including partial seizures with

Partial Seizures <ul style="list-style-type: none"> ● Anticonvulsant 	complex patterns; tonic-clonic seizures; mixed seizures; trigeminal neuralgia	
Side effects/Adverse Reactions	Contraindications	Nursing Considerations
<ul style="list-style-type: none"> ● Drowsiness, ataxia, dizziness ● nausea, vomiting, hepatitis ● cardiovascular (CV) complications ● hematological disorders ● Stevens-Johnson syndrome 	<ul style="list-style-type: none"> ● Hypersensitivity ● Cardiac, hepatic, or renal disease ● Hypertension ● Safe use in children <6 mo not established ● Pregnancy Category D ● Lactation 	<ul style="list-style-type: none"> ● Baseline and periodic CBC's ● Monitor I&O ratio and vital signs during period of dosage adjustment ● May cause breakthrough bleeding and effect reliability of oral contraceptives

carbidopa-levodopa (Sinemet)		
Classification	Indication	
<ul style="list-style-type: none"> ● Dopaminergic Agents ● Anticholinergic ● Antiparkinsonism agent 	<ul style="list-style-type: none"> ● Treatment of idiopathic Parkinson disease 	
Side effects/Adverse Reactions	Contraindications	Nursing Considerations
<ul style="list-style-type: none"> ● CV: orthostatic hypotension, palpitation, edema ● GI: nausea, anorexia, dry mouth ● Hematologic: thrombocytopenia ● Abnormal liver function tests, abnormal BUN ● CNS: involuntary movements, ataxia, muscle twitching, delirium, seizures ● Skin: blurred vision ● Urogenital: dark urine, urinary frequency, retention, incontinence 	<ul style="list-style-type: none"> ● Hypersensitivity ● Hx of melanoma ● Children <18 not established ● Pregnancy Category C ● Lactation 	<ul style="list-style-type: none"> ● Monitor vital signs ● Frequent monitoring of blood sugar ● Report muscle twitching and spasmodic winking = early signs of overdose ● Urine and sweat color may be darkened ● Avoid driving or other hazardous activities until reaction is determined

benztropine (Cogentin)		
Classification	Indication	
<ul style="list-style-type: none"> ● Anticholinergic Agents 	<ul style="list-style-type: none"> ● Adjunctive therapy for Parkinson disease, relief of symptoms of extrapyramidal disorders (parkinsonism) that accompany neuroleptic therapy 	
Side effects/Adverse Reactions	Contraindications	Nursing Considerations

<ul style="list-style-type: none"> ● Disorientation, confusion, memory loss, nervousness, light-headedness, dizziness, depression, blurred vision, mydriasis ● dry mouth, constipation ● urinary retention, urinary hesitation, flushing, decreased sweating 	<ul style="list-style-type: none"> ● Narrow angle glaucoma ● Myasthenia gravis ● Children <3 years ● Pregnancy Category C ● Lactation 	<ul style="list-style-type: none"> ● Monitor I&O ratio and pattern ● Monitor S/S of paralytic ileus ● Report muscle weakness ● Supervise ambulation ● Report S/S of CNS depression or stimulation ● Avoid alcohol and other CNS depressant
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bethanechol (Duvoid, Urecholine)		
Classification	Indication	
<ul style="list-style-type: none"> ● Direct-Acting Cholinergic Agonists ● Cholinergic Agent 	<ul style="list-style-type: none"> ● Acute postoperative or postpartum nonobstructive urinary retention, neurogenic atony of the bladder with retention ● Diagnosis and treatment of reflux esophagitis in adults and used orally in infants and children for treatment of esophageal reflux 	
Side effects/Adverse Reactions	Contraindications	Nursing Considerations
<ul style="list-style-type: none"> ● Abdominal discomfort, salivation, nausea, vomiting, sweating, flushing 	<ul style="list-style-type: none"> ● COPD ● Asthma ● Hyperthyroidism ● Bacteriuria, GI surgery ● Hypotension or hypertension ● Pregnancy Category C ● Lactation 	<ul style="list-style-type: none"> ● Monitor BP & pulse ● Report early signs of overdose: salivation, sweating, flushing, abdominal cramps, nausea ● Monitor I&O ● Supervise ambulation ● Make slow position changes

pyridostigmine (Mestinon)		
Classification	Indication	
<ul style="list-style-type: none"> ● Agents for Myasthenia Gravis ● Indirect-Acting Cholinergic Agonists 	<ul style="list-style-type: none"> ● Treatment of myasthenia gravis, antidote for nondepolarizing neuromuscular junction blockers, increased survival after exposure to nerve gas 	
Side effects/Adverse Reactions	Contraindications	Nursing Considerations
<ul style="list-style-type: none"> ● Bradycardia, cardiac arrest, tearing, miosis, salivation, dysphagia ● nausea, vomiting, diarrhea 	<ul style="list-style-type: none"> ● Hypersensitivity ● Bradycardia ● Hypotension ● Pregnancy Category C 	<ul style="list-style-type: none"> ● Report increasing muscular weakness, cramps, or fasciculations

<ul style="list-style-type: none"> ● increased bronchial secretions, urinary frequency, and incontinence 	<ul style="list-style-type: none"> ● Lactation 	<ul style="list-style-type: none"> ● Monitor vital signs: respiratory rate
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atropine (Generic)		
Classification	Indication	
<ul style="list-style-type: none"> ● Anticholinergic Agents ● Parasympatholytics 	<ul style="list-style-type: none"> ● To decrease secretions before surgery, treatment of parkinsonism, restoration of cardiac rate and arterial pressure following vagal stimulation, relief of bradycardia and syncope due to hyperactive carotid sinus reflex, relief of pylorospasm, relaxation of the spasm of biliary and ureteral colic and bronchospasm, control of crying and laughing episodes associated with brain lesions, relaxation of uterine hypertonicity, management of peptic ulcer, control of rhinorrhea associated with hay fever, antidote for cholinergic overdose, and poisoning from various mushrooms 	
Side effects/Adverse Reactions	Contraindications	Nursing Considerations
<ul style="list-style-type: none"> ● Blurred vision, mydriasis, cycloplegia, photophobia ● palpitations, tachycardia ● dry mouth, altered taste perception, urinary hesitancy and retention, decreased sweating, and predisposition to heat prostration 	<ul style="list-style-type: none"> ● Hypersensitivity ● Acute hemorrhage ● Myasthenia gravis ● Pregnancy Category C ● Lactation 	<ul style="list-style-type: none"> ● Monitor vital signs (HR, BP, temp) ● Monitor I&O ● Palpate lower abdomen for distention ● Monitor CNS status ● Adequate hydration ● Drug causes drowsiness, sensitivity to light, blurring of near vision