

Melanie Holder
Pharmacology
Drug card 61-70

1) Hydrochlorothiazide

Brand Name: Hydroiodic

Classification: Therapeutic Class: antihypertensives, diuretics
Pharmacologic Class: thiazide diuretics

Indications: Hypertension, CHF, renal dysfunction, cirrhosis, glucocorticoid therapy

Side Effects/Adverse reaction: dizziness and dehydration. Also, we can see some electrolyte issues like hyponatremia and hyperemia.

Nursing Indication:

- May cause dizziness, hypokalemia, hyponatremia, hypophosphatemia, hypomagnesemia, dehydration
- Hypokalemia can increase risk for digoxin toxicity
- Monitor blood pressure and intake and output
- Monitor electrolyte levels
- Patient should take medication at the same time each day even if feeling better
- Instruct patient on how to take blood pressure

2) Spironolactone

Brand Name: Aldactone

Classification: Therapeutic Class: Diuretics
Pharmacologic Class: Potassium sparing diuretics.

Indications: potassium loss, hypertension, edema, CHF

Side Effects/Adverse Reaction: gynecomastia, hyperemia hyponatremia and lethargy

Nursing Consideration:

- contraindicated with hyperkalemia

- monitor intake and output
- monitor blood pressure
- monitor potassium levels and renal panel

3) Mannitol

Brand Name: Osmitrol

Classification: Therapeutic Class: diuretic
Pharmacologic Class: Osmotic diuretic

Indication: increased ICP, oliguric renal failure, edema, increased intraocular pressure

Side Effects/Adverse Reaction: increased urination.
nausea, vomiting.
fever, chills, headache, runny nose.
chest pain.
rash; or.
dizziness, blurred vision.

Nursing Consideration:

- may cause phlebitis at IV site
- may cause dehydration, fluid, and electrolyte imbalances
- monitor neuro status
- administer via a filter

4) Oxybutynin chloride

Brand Name: Ditropan XL

Classification: therapeutic class: Urinary bladder modifier
pharmacological class: Urinary Antispasmodic

Indication: Overactive bladder

Side Effects/Adverse Reaction: Blurred vision, Dry mouth

Nursing Consideration: Be alert for decreased sweating and increased body temperature (hyperthermia), especially during exercise. Notify physician of a prolonged or persistent elevation in body temperature. Monitor changes in mood and behavior, including confusion, agitation, and hallucinations.

5) Phenazopyridine

Brand Name: Pyridium

Classification: Therapeutic Class: Nonopioid analgesics
Pharmacologic Class: urinary tract analgesics

Indication: Urological pain

Side Effects/Adverse Reaction:
headache.
dizziness; or.
upset stomach.

Nursing Consideration:

- will turn urine red or orange
- may cause headache, vertigo, hepatic toxicity
- monitor renal function

6) finasteride

Brand Name: PROSCAR

Classification: 5-alpha reductase inhibitor alopecia agent

Indication: Treatment of symptomatic benign prostatic hyperplasia
To reduce risk of symptomatic progression of benign prostatic hyperplasia

Side Effects/Adverse Reaction: Erectile dysfunction

Decreased libido.
Depression
Male infertility

Nursing Consideration: Assess for symptoms of prostatic hyperplasia (urinary hesitancy, feeling of incomplete bladder emptying, interruption of urinary stream, impairment of size and force of urinary stream, terminal urinary dribbling, straining to start flow, dysuria, urgency) before and periodically during therapy.

Digital rectal examinations should be performed before and periodically during therapy for BPH.

Lab Test Considerations:

Serum prostate-specific antigen (PSA) concentrations, which are used to screen for prostate cancer, may be evaluated before and periodically during therapy. Finasteride may cause a ↓ in serum PSA levels.

7) fluoxetine

Brand Name: Prozac

Classification: Therapeutic Class: Antidepressant
Pharmacologic Class: SSRI

Indication: Depressive disorder, OCD, bulimia, panic disorder, bipolar, anorexia, ADHD, DM neuropathy, obesity

Side Effects/Adverse Reaction: drowsiness, anxiety, sexual dysfunction, and insomnia.

Nursing Consideration:

- Do not use while taking MAOIs
- May cause suicidal thoughts, drowsiness, anxiety, sexual dysfunction, insomnia, palpitations
- Monitor closely for serotonin syndrome
- Concurrent use with certain medications may lead to QT prolongation
- Monitor mood changes and assess for suicidal ideation
- Monitor nutrition status
- May cause elevated liver enzymes
- Instruct pt to maintain good oral hygiene

8) Amitriptyline

Brand Name: Elavil

Classification: Therapeutic Class: Antidepressant
Pharmacologic Class: Tricyclic antidepressant

Indication: Depression, anxiety, insomnia, Parkinson's

Side Effects/Adverse Reaction:

nausea.
vomiting.
drowsiness.
weakness or tiredness.

nightmares.
headaches.
dry mouth.
constipation.

Nursing Consideration:

- Contraindicated in MI, heart failure, QT prolongation, glaucoma
- May increase risk for suicidal ideation
- May cause arrhythmias, hypotension, EKG changes
- May cause alterations in blood glucose levels
- May lead to general sedation and lethargy
- Do not use within 2 weeks of MAOIs
- Instruct pt to take medication exactly as instructed
- Monitor for orthostatic hypotension
- May lead to photosensitivity, instruct patient to use sunscreen
- May turn urine blue/green color.

9) **lithium**

Brand Name: Lithizine

Classification: Therapeutic Class:Mood Stabilizer
Pharmacologic Class: None

Indication: mania

Side Effects/Adverse Reaction:

feeling sick (nausea)
diarrhea.
a dry mouth and/or a metallic taste in the mouth.
feeling thirsty and needing to drink more and pee more than usual.
slight shaking of the hands (mild tremor)
feeling tired or sleepy.
weight gain (this is likely to be very gradual)

Nursing Consideration:

- do not administer with NSAIDs
- monitor drug blood levels frequently
- may cause seizures, arrhythmias, fatigue, confusion, nausea, anorexia, hypothyroidism, tremors
- Ace Inhibitors may increase serum levels
- instruct patient to maintain adequate fluid intake
- therapeutic level: 0.5-1.5 mEq/L

10) Haloperidol

Brand Name: Haldol

Classification: Therapeutic Class: Antipsychotic
Pharmacologic Class: Butyrophenones

Indication: Schizophrenia, mania, aggressive and agitated patient

Side Effects/Adverse Reaction:

dry mouth.
increased saliva.
blurred vision.
loss of appetite.
constipation.
diarrhea.
heartburn.
nausea.

Nursing Consideration:

- extrapyramidal symptoms, tardive dyskinesia
- use caution in QT prolongation
- may cause seizures, constipation, dry mouth, agranulocytosis
- assess for hallucinations
- monitor hemodynamics
- monitor for neuroleptic malignant syndrome (fever, muscular rigidity, altered mental status, and autonomic dysfunction)
- monitor CBC with differential