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 Principles of Pharmacology
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Generic Name (Brand Name): ibuprofen (advil, motrin)	
Classification:	Indications:
Non-steroidal anti-inflammatory drug (NSAID)	<ul style="list-style-type: none"> - Minor pain relief (aches) - Fever reducer
Side Effects/Adverse Reactions:	Nursing Considerations:
<ul style="list-style-type: none"> - Dizziness - GI pain - Nausea - Constipation - **Acute renal failure 	<ul style="list-style-type: none"> - Reassess for pain 1hr after administering - Reassess effectiveness of reducing fever - Assess for overdose or pain indicative of underlying disease - Assess kidney function if given to patient with any alteration to kidney function

Generic Name (Brand Name): acetaminophen (tylenol)	
Classification:	Indications:
Analgesics	<ul style="list-style-type: none"> - Minor pain relief (aches) - Fever reducer
Side Effects/Adverse Reactions:	Nursing Considerations:
<ul style="list-style-type: none"> - Skin swelling - Dizziness - SOB/cough - Rash - **Liver failure 	<ul style="list-style-type: none"> - Reassess for pain 1hr after administering - Reassess effectiveness of reducing fever - Assess for overdose or pain indicative of underlying disease - Assess for s/s of altered liver function <ul style="list-style-type: none"> - Jaundice

Generic Name (Brand Name): baclofen (kemstro lioresal)	
Classification:	Indications:
Skeletal muscle relaxants - Antispasmodic agent	- Muscle pain/spasms/stiffness in individuals with multiple sclerosis - Spinal cord injury/disease
Side Effects/Adverse Reactions:	Nursing Considerations:
- drowsiness/dizziness/weakness - Fatigue - Headache - Insomnia - Nausea - Constipation - Urinating more than usual	- Do not drive/operate heavy machinery - Do not stop using baclofen suddenly - Needs tapering off - Avoid drinking alcohol - Assess for contraindications with drugs that cause resp. Depression - Opioids - Sleeping pills - Meds for depression/anxiety/bipolar

Generic Name (Brand Name): methadone (methadose)	
Classification:	Indications:
Opioid Agonists	- Treating addiction to opioids - Preventing withdrawal symptoms
Side Effects/Adverse Reactions:	Nursing Considerations:
- Agitation - Dry mouth - Palpitation - Tachycardia - Chest pain - MI/cardiac arrest/shock - Dizziness - Drowsiness	- Education on risk of opioid addiction/abuse - Overdose and death - Continually assess resp/cardiac depression/function - DO NOT crush - Swallow tablet/capsule whole - High risk for abuse

Generic Name (Brand Name): morphine (arymo, morphabond)	
Classification:	Indications:
Narcotic	- Moderate to severe pain
Side Effects/Adverse Reactions:	Nursing Considerations:

<ul style="list-style-type: none"> - Drowsiness - GI pain - Dry mouth - Headache - Nervousness - Mood change - Small pupils - Difficulty urinating 	<ul style="list-style-type: none"> - Monitor for respiratory depression - Schedule II for drug abuse, monitor and educate for prevention - Avoid drinking alcohol with medication - Do not crush extended release medication - C/I with paralytic ileus - Do not drive/operate heavy machinery - Educate on orthostatic hypotension - Have rescue med – naloxone in case of OD <ul style="list-style-type: none"> - Slow shallow breathing - Unable to respond or wake up - Cold clammy skin
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Generic Name (Brand Name): naloxone (narcan)	
Classification:	Indications:
Opioid Antagonist	<ul style="list-style-type: none"> - Emergency treatment of known/suspected opioid overdose
Side Effects/Adverse Reactions:	Nursing Considerations:
<ul style="list-style-type: none"> - GI cramps/upset - Body aches - Cardiac arrest - Fever - Nervousness - Restlessness - Vfib 	<ul style="list-style-type: none"> - Know s/s of narcotic OD <ul style="list-style-type: none"> - Slow shallow breathing - Unable to respond or wake up - Cold clammy skin - Pinpoint pupils - Seek medical attention right away - In the hospital setting, ventilate/ambubag/O2 supplement

Generic Name (Brand Name): dopamine (intropin)	
Classification:	Indications:
Inotropic Agent	<ul style="list-style-type: none"> - Shock due to MI - Trauma - Sepsis - Open heart surgery - Renal failure
Side Effects/Adverse Reactions:	Nursing Considerations:

<ul style="list-style-type: none"> - Ventricular arrhythmia - Afib - Tachycardia - Chest pain - Palpitation - SOB - N/V - Dilated pupils 	<ul style="list-style-type: none"> - Monitor for fatal rhythms - Monitor vital signs, esp BP/pulse - Monitor for muscle cramping/ cyanosis/ ischemia of the peripheral extremities <ul style="list-style-type: none"> - Peripheral vasoconstriction - Monitor IV site for pain/ swelling/ irritation/infiltration/extravasation
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Generic Name (Brand Name): hydrocortisone (cortef)	
Classification:	Indications:
Corticosteroids	<ul style="list-style-type: none"> - Inflammation - Status asthmaticus - Acute/chronic adrenal insufficiency - Topically: redness/ swelling/ itching
Side Effects/Adverse Reactions:	Nursing Considerations:
<ul style="list-style-type: none"> - Dizziness - Acne - Depression - Heachaches - Fatigue - Immunosuppression - Restlessness - Irritability - Alteration in HR 	<ul style="list-style-type: none"> - Monitor for hypersensitivity/allergies - Monitor for any skin reactions - Monitor alteration in mental status especially in children - Assess vital signs, esp BP/HR - Monitor personality changes

Generic Name (Brand Name): fentanyl (duragesic, actiq)	
Classification:	Indications:
Narcotic	<ul style="list-style-type: none"> - Severe pain <ul style="list-style-type: none"> - Cancer pain - Breakthrough pain (sudden episodes of pain that occur despite pain meds)
Side Effects/Adverse Reactions:	Nursing Considerations:
<ul style="list-style-type: none"> - Drowsiness - Stomach pain - Gas 	<ul style="list-style-type: none"> - Should not be used with another narcotic - Schedule II drug

<ul style="list-style-type: none"> - Anxiety - Dry mouth - Uncontrollable shaking - Peripheral edema - Difficulty falling asleep or staying asleep 	<ul style="list-style-type: none"> - Education on OD, can cause death esp with infants and older adults - Educate pt. On med route - Do not drive/operate heavy machinery - No grapefruit juice - Monitor for resp. Depression - Dispose of medication correctly - Have rescue med – naloxone in case of OD <ul style="list-style-type: none"> - Slow shallow breathing - Unable to respond or wake up - Cold clammy skin
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Generic Name (Brand Name): oxycodone (percocet)	
Classification:	Indications:
Narcotic	- Moderate to severe pain
Side Effects/Adverse Reactions:	Nursing Considerations:
<ul style="list-style-type: none"> - Dry mouth - Stomach pain - Drowsiness - Flushing - Headache - Mood changes 	<ul style="list-style-type: none"> - Monitor for respiratory depression - Schedule II for drug abuse, monitor and educate for prevention - Avoid drinking alcohol with medication - Do not crush extended release medication - C/I with paralytic ileus - Do not drive/operate heavy machinery - Educate on orthostatic hypotension - Have rescue med – naloxone in case of OD <ul style="list-style-type: none"> - Slow shallow breathing - Unable to respond or wake up - Cold clammy skin