

Pharmacology NURS 251 Final Exam

1.

Sublingual: When rapid effect is needed right away

Subcutaneous: Destroy or inactivated in the GI Tract

Intramuscular: Used for drugs with poor oral absorption

Topical: For local effects on skin and eyes

Pharmaceutics is the study of how various dosage forms influence the way in which the drug affects the body/ Administration of dosage form, dissolution of drug into body/ manipulating chemical compound.

Pharmacokinetics is the study of what the body does to the drug, including absorption, distribution, metabolism, and excretion/ Absorption, distribution, metabolism, excretion.

Pharmacodynamics is the study of what the drug does to the body/ Drug-receptor interaction.

2. The drug naltrexone is given to prevent relapse or cravings in individuals who use opioids. It binds to opioid receptors blocking endogenous agonist and other opioid drugs from binding and having an effect. Naltrexone is a/an

Competitive agonist (binds to the same site of agonist)

3. Due to the many chronic diseases associated with aging the elderly can have decreased blood flow to the liver. With age, there can also be a decrease in liver enzymes, which can increase the duration of a drug in the patient's systems. Which pharmacokinetic process is affected in this scenario?

Metabolism (stored in the body)/ cytochrome P-450 enzymes/ liver/ Grapefruit and statins

4. When the combined effect of two drugs is greater than the sum of the individual effects it refers to

Synergism: When the combined effect of two drugs is greater than the sum of their individual effects

learnexams

5. True or false. Schedule I drugs have a low abuse potential and are accepted medical use

False via having a high abuse potential and no accepted medical use

6. Michael is a 2 year old male with a history of a liver cirrhosis problem caused by biliary atresia. While on a family vacation, Michael developed a fever, and his parents found children's Motrin as the only antipyretic option at the hotel convenience shop. Is this appropriate for Michael? Explain why or why not.

Drug Facts (continued)

Ask a doctor before use if

- stomach bleeding warning applies to your child
- child has a history of stomach problems, such as heartburn
- child has problems or serious side effects from taking pain relievers or fever reducers
- child has not been drinking fluids
- child has lost a lot of fluid due to vomiting or diarrhea
- child has high blood pressure, heart disease, liver cirrhosis, kidney disease, or had a stroke
- child has asthma
- child is taking a diuretic

Ask a doctor or pharmacist before use if the child is

- under a doctor's care for any serious condition
- taking any other drug

When using this product

- take with food or milk if stomach upset occurs

Stop use and ask a doctor if

- child experiences any of the following signs of stomach bleeding:
 - feels faint
 - vomits blood
 - has bloody or black stools
- has stomach pain that does not get better
- child has symptoms of heart problems or stroke:
 - chest pain
 - trouble breathing
 - weakness in one part or side of body
 - slurred speech
 - leg swelling
- the child does not get any relief within first day (24 hours) of treatment
- fever or pain gets worse or lasts more than 3 days
- redness or swelling is present in the painful area
- any new symptoms appear

Keep out of reach of children. In case of overdose, get medical help or contact a Poison Control Center right away. (1-800-222-1222)

Directions

- this product does not contain directions or complete warnings for adult use
- do not give more than directed
- shake well before using
- mL = milliliter
- find right dose on chart. If possible, use weight to dose; otherwise use age.
- use only enclosed dosing cup. Do not use any other dosing device.

Drug Facts (continued)

- if needed, repeat dose every 6-8 hours
- do not use more than 4 times a day
- replace original bottle cap to maintain child resistance

Dosing Chart

Weight (lb)	Age (yr)	Dose (mL)*
under 24	under 2 years	ask a doctor
24-35 lbs	2-3 years	5 mL
36-47 lbs	4-5 years	7.5 mL
48-59 lbs	6-8 years	10 mL
60-71 lbs	9-10 years	12.5 mL
72-95 lbs	11 years	15 mL

*or as directed by a doctor

Other information

- each 5 mL contains: sodium 2 mg
- store between 20-25°C (68-77°F)
- do not use if carton is opened or if carton tape or bottle wrap imprinted "SAFETY SEAL®" is broken or missing

Inactive ingredients acesulfame potassium, anhydrous citric acid, FD&C red no. 40, flavors, glycerin, polysorbate 80, pregelatinized starch, purified water, sodium benzoate, sucrose, xanthan gum

Questions or comments?
Call 1-877-895-3665 (toll-free) or 215-273-8755 (collect)

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