

## Pharmacology Review Class Prep Day 2

### Insulin:

|                                      | Onset         | Peak       | Duration    |
|--------------------------------------|---------------|------------|-------------|
| Insulin Lispro (Humalog)             | 10-20 mins    | 30-90 mins | 3-5 hours   |
| Regular Insulin (Humulin R)          | 30-60 mins    | 2-4 hours  | 5-8 hours   |
| NPH (Humulin N)                      | 1-3 hours     | 8 hours    | 12-16 hours |
| Insulin Glargine (Lantus)            | 1 hour        | No peak    | 20-26 hours |
| 70% NPH/ 30% Regular (Humulin 70/30) | 30-60 minutes | Varies     | 10-16 hours |

### Antibiotics:

1. What is the purpose of Antimicrobial Stewardship?  
**To avoid adverse drug reaction, to reduce C. diff, minimize antimicrobial resistance, and lower cost**
2. Match the following:

|                           |   |
|---------------------------|---|
| A. Penicillins      3     | 1. Contraindicated in patients on anticoagulants or with bleeding disorder.                         |
| B. Cephalosporins      1  | 2. May discolor teeth. Causes photosensitivity.   |
| C. Tetracyclines      2   | 3. Check for allergy before administration, observe 30 minutes following parenteral administration. |
| D. Vancomycin      5      | 4. Ensure adequate fluid intake to prevent crystalluria.  |
| E. Fluroquinolones      4 | 5. Can cause ototoxicity , monitor trough levels.   |

### Respiratory Medications:

1. Your Patient is using a Metered Dose Inhaler (MDI) and the device begins to whistle. What is the correct response by the nurse?  
**Change out the medication vial**
2. Why is a spacer helpful to use with some clients?

**It helps to breath the medicine into the lungs easier and waste less medicine.**

3. Match the following drugs with their indication for use :

|                              |  |
|------------------------------|--|
| A. Albuterol 3               | 1. Given to patients in respiratory distress |
| B. Acetylcysteine 4          | 2. Used for long term control                |
| C. Budesonide + Formoterol 2 | 3. Used as a rescue inhaler                  |
| D. Atrovent + Albuterol 1    | 4. Given to break up mucus                   |

GI Medications:

1. Match the following drug with their indication for use:

|                      |   |
|----------------------|---|
| A. Azathioprine 3    | 1. Motion Sickness                        |
| B. Docusate sodium 4 | 2. Gastrointestinal reflux disease (GERD) |
| C. Cimetidine 6      | 3. Inflammatory bowel disease             |
| D. Bisacodyl 7       | 4. Stool softener                         |
| E. Dimenhydrinate 1  | 5. Nausea, vomiting                       |
| F. Omeprazole 2      | 6. Duodenal ulcer                         |
| G. Metoclopramide 5  | 7. Constipation                           |