**\*NEW\* - Interactions & Contraindications**

**New Content!**

11/26/2023

We've added information regarding Interactions & Contraindications. You will likely see questions related to this material on your PTCB Exam. ***Please take extra time to memorize this material.***For ease of access we've copied that information below. It's also available in Module 2, reflected in the Top 200 Flashcards on Quizlet, and assessed on both the Medications & Terminology quiz and the Final Exam.

Warfarin

**Drug Interactions:** NSAIDs, Antibiotics, Fish Oil, Coenzyme 10, Garlic Supplements, Ginko Biloba, Vitamin K

**Side Effects:** Excessive bruising / bleeding

**Pregnancy Category**: X

NSAIDs (Non-Steroidal Anti-Inflammatory Drugs):

**Drug Interactions:** When taken with Lithium or Methotrexate, can cause toxicity

**Interactions:** Increased Risk of Bleeding with Coumadin (warfarin)

HMG-CoA Reductase Inhibitors (-statins)

**Food Interaction:**Grapefruit inhibits metabolism leading to muscle damage

**Pregnancy Category**: X

Benzodiazepines & Hydrocodone

**Drug Interaction:** Benzodiazepines and Hydrocodone, taken together, can cause respiratory depression

**Pregnancy Category:**D (Benzodiazepine)

Clopidogrel and PPIs

**Drug Interaction:** Clopidogrel and PPIs, when taken together can reduce effectiveness of Clopidogrel

Antibiotics

**Drug Interaction:**Increased risk of bleeding with Anticoagulants, reduce effectiveness of birth control

**Pregnancy Category**: varies, Doxycycline is Category D

Ace Inhibitor (ACEi)

**Pregnancy Category**: D

Serotonin Syndrome

**Drug Interaction:** SSRIs or SNRIs and MAOIs, taken together, can cause Serotonin syndrome

Digoxin & Diuretics

**Drug Interaction:** Digoxin and Diuretics, taken together, can cause increased risk of Digoxin toxicity

Lithium

**Drug Interactions:** Alcohol, NSAIDs, and Methotrexate should be avoided when taking Lithium

**Pregnancy Category:**D

**Disclaimer:** This is not an exhaustive list. This is “minimum” necessary knowledge related to this knowledge domain. If you focus on learning this information well, you will perform well on this section of the exam. If you look up information on a given drug, you will see a seemingly endless array of side effects, interactions, warnings, and precautions. Fortunately, you aren’t expected to know all of this information for each medication.