

Episode 50 Memorizing Pharmacology Podcast - Respiratory Pharmacology Vocabulary Flashcards Questions Cheat Sheet

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1. What do we call the situation where the immune system reacts to a foreign substance and makes antibodies that identify a particular allergen as harmful, even though it isn't?
2. What is a severe, potentially life-threatening allergic reaction that can occur within seconds or minutes of exposure to something you're allergic to, such as peanuts or bee stings?
3. What is a bluish or purplish discoloration (as of skin) due to deficient oxygenation of the blood?
4. What is the process at the alveoli level where blood is oxygenated and carbon dioxide, the waste product of cellular respiration, is removed from the body?
5. What is a deficiency of color especially of the face: paleness?
6. What is an effect that is opposite to what is expected?
7. What do we call the total number of breaths, or respiratory cycles, that occur each minute?
8. What is matter expectorated from the respiratory system and especially the lungs that is composed of mucus but may contain pus, blood, fibrin, or microorganisms (such as bacteria) in diseased states?

Answer Key with Rationales:

Allergy – connect to the word allergen, something that “gen” erates an allergic reaction

Anaphylaxis – “ana” means again while a “phalanx” is a group guarding so anaphylaxis is “guarding again” against the allergen

Cyanosis – “cyan” is blue while “osis” is condition of, so condition of being blue is cyanosis

Gas Exchange – exchanging oxygen and carbon dioxide in this case

Pallor – pallor has “pale” in the word

Paradoxical Effect – para means contrary and doxi is opinion so contrary to normal opinion of what should happen, example of diphenhydramine (Benadryl) causing excitement not sedation

Respiratory Rate – rate of breaths per minute usually written as a fraction breaths/minute

Sputum – what Mucinex (guaifenesin alone) or Robitussin (guaifenesin alone) affect, be careful, Mucinex DM and Robitussin DM have dextromethorphan also, which is not the same thing.