

I learned from these videos why we have allergic reactions to our immune system. The reason we have them is because an allergy is a disorder in the immune system where our immune system tries to fight off harmless things from the environment as if they were harmful to our bodies. The immune system is trying to protect us. Our bodies find foreign substances or toxins that affect our immune response. This will then cause many symptoms to our body reacting to these substances. Our throat will start to constrict and blood pressure will drop if it gets very severe that can affect our life which is anaphylaxis. Another interesting fact is that if both parents have allergies then the child will have an 80% chance of having it too. If the mother has allergies only then the child is probably going to have allergies as well. The most common food allergies that are out there are shellfish, peanuts, and eggs. You can be allergic to almost anything that surrounds yourself or your environment. I also learned about anaphylaxis is a severe systemic allergic reaction. This occurs when a patient is allergic to an antigen that they come into contact with. Antigen molecules enter the blood stream they interact or attach with IGE antibodies bound to mast cells. They will then bind to the mast cell. After this happens, they will degranulate with release of histamine and other chemicals. The only thing that won't cause an anaphylaxis response would be pollen. This will cause physiologic effects such as vasodilation and vascular permeability. Some symptoms are hives, itchiness, angioedema, wheezes, hoarseness, confusion and a lot of other symptoms. These symptoms can become so severe that you can stop breathing. This requires immediate medical attention. A medication that should be given should be Epinephrine because it works rapidly. Epinephrine medication must be given as soon as possible because this generally reverses the most dangerous effects of anaphylaxes. This medication constricts blood vessels, relaxes the smooth muscles of the air way, and stimulates the air way. Patients should be advised that if symptoms are still occurring within 5 minutes of injection, then they should administer a second dose. It will be essential to help with these symptoms still occurring. We need to understand that all human beings will find an allergy we have that's surrounding our environment.