

**Exam 2: NSG530/ NSG 530 (Latest 2023/ 2024) - Advanced Pathophysiology Exam | Questions and Verified Answers| 100% Correct| Grade A**

**Q:** A patient was diagnosed as HIV positive several years ago. Which of the following blood tests is most clinically useful for determining the stage and severity of her disease?

**Answer:**

CD4+ cell counts

**Q:** When the maternal immune system becomes sensitized against antigens expressed by the fetus, what type of immune reaction occurs? (transfusions, transplant tissues, pregnancy)

**Answer:**

Alloimmune

learnexams

**Q:** A 10-year-old male is stung by a bee while playing in the yard. He begins itching and develops pains, swelling, redness and respiratory difficulties. He is suffering from

**Answer:**

: anaphylaxis

**Q:** When a patient presents at the ED for an allergic reaction, the nurse recognized the most severe consequences of a type I hypersensitivity reaction is

**Answer:**

: anaphylaxis

**Q:** A nurse recalls that an example of an immune-complex-mediated disease is

**Answer:**

: serum sickness

**Q:** When a nurse cares for a patient with systemic lupus erythematosus (SLE), the nurse remembers this disease is an example of

**Answer:**

: autoimmunity (disturbance in immunologic tolerance of self-antigens)

**Q:** A 30-year-old female c/o fatigue, arthritis, rash and changes in urine color. Laboratory testing reveals anemia, lymphopenia and kidney inflammation. Assuming a diagnosis of SLE, which of the following is also likely to be present?

**Answer:**

Autoantibodies

**Q:** A 40-year-old is diagnosed with SLE. Which of the following findings would be considered a symptom of this disease?

**Answer:**

Photosensitivity + facial rash confined to cheeks (malar rash)

**Q:** A person is given an attenuated antigen as a vaccine. When the person asks what was given in the vaccine, how should the nurse respond? The antigen is

**Answer:**

: alive, but less infectious.

**Q:** An immunologist is discussing endotoxin production. Which information should the immunologist include? Endotoxins are produced by

**Answer:**

: gram-negative bacteria.

**Q:** A 50-year-old female experiences decreased blood pressure, decreased oxygen delivery, cardiovascular shock and subsequent death. A complication of endotoxic shock is suspected. Which of the following is the most likely cause?

**Answer:**

Gram-negative bacteria

**Q:** Which information indicates a correct understanding of viral vaccines? Most viral vaccines contain

**Answer:**

: attenuated viruses.

**Q:** A 22-year-old was recently diagnosed with acquired immunodeficiency syndrome (AIDS). Which decreased lab finding would be expected to accompany this virus?

**Answer:**

CD4+ T-helper

**Q:** A 30-year-old male was diagnosed with HIV. Which of the following treatments would be most effective?

**Answer:**

Antiretroviral therapy (ART)

**Q:** When the immunologist says that pathogens possess virulence, what does virulence mean?

**Answer:**

Causes disease.