Assignment 12

Due on 2023-12-04, 23:59 UTC

The vaccine used for prevention of tuberculosis is:

1. BCG
2. MMR
3. DT

A patient suffering from tetanus is given antibiotics for therapy. This process of treatment is called:

1. Sensory symptom treatment
2. Sensory symptom immunization
3. Passive immunization
4. Artificial active immunization
5. Polyvalent

Measles, Mumps, and Rubella (MMR) vaccine is an example of:

1. Inactivated vaccine
2. Live attenuated vaccine
3. DNA vaccine
4. Tissue vaccine
5. Polyvalent vaccine

The first measles antigen vaccine approved for human use is:

1. BCG vaccine
2. IPV vaccine
3. Hepatitis B vaccine
4. DPT vaccine
5. Polio vaccine

Disease caused by which one of the following bacteria can be prevented by a toxoid vaccine?

1. Clostridium tetani
2. Staphylococcus aureus
3. Neisseria meningitides
4. Salmonella typhi
5. Streptococcus pneumoniae

The pathophysiologic response (shingles) and the pathologic miconic reaction (TDI) lead to pathological valves with toxic effect on some of the adjacent activity of the whole infected system. It presents an:

1. Pancytopenia (complete blood cell depression)
2. Nephritic syndrome (kidney failure)
3. Hypertension (high blood pressure)
4. Seizures (convulsions)
5. Postinfectious encephalitis (inflammation of the brain)

All important characteristics of effective vaccines except:

1. Must be available at low cost
2. Must provide long-lasting immunity
3. Must be safe and not use live microorganisms
4. Must induce immunologic memory in 50% of the population
5. Must provide immunity in most 5% of the population.

The hybrid cells called lymphoblasts are obtained by using a defective virus called HIV-1 antigen. Which one(s) of the following is/are correct about HIV-1 antigen?

1. Antigenic: growth medium antibody for the HIV-1 surface antigen
2. Antigenic: growth medium antibody for the surface enzyme
3. Antigenic: enzyme antibody for the HIV-1 surface antigen
4. Antigenic: enzyme antibody for the surface enzyme
5. Antigenic: enzyme antibody for the HIV-1 surface enzyme

After mixing of myeloma-producing B-cells with myeloma cells of three different cell types, cells are present in the supernatant. These cells are labeled as B-cells in which only lymphoblasts and their progeny are produced. Which one of the following is/are correct about HIV-1 antigen?

1. Only one HIV-1 antigen is not produced but helps normal cell growth
2. Myeloma cells are grown in HIV-1 antigen in these cells and HIV-1 antigen is not secreted.
3. Hybrid cells survive in HIV-1 antigen as they have HIV-1 antigen.
4. Hybrid cells survive in HIV-1 antigen as they do not make HIV-1 antigen.
5. Antigenicity is in HIV-1 antigen but not in HIV-1 antigen only in myeloma cells.

What is SIV?

1. Fused chain of V or V and C immunoglobulin
2. Fused chain of V or V and C immunoglobulin connected by 15-25 amino acid links
3. Fused chain of C or C and C immunoglobulin connected by 15-25 amino acid links
4. Fused chain of C and C of immunoglobulin

AIDS is caused by:

1. HIV-1
2. HIV-2
3. SIV
4. All of the above
5. None of the above