PATHOLOGY Infectious Diseases

KNOW YOUR PEST!

1. I am from the herpesvirus family, target B lymphocytes (where then I lurk latently in some people) & am associated with nasopharyngeal cancer & lymphoma.
   I am Epstein-Barr virus.

2. I cause fever, cough, coryza, conjunctivitis & a maculopapular rash. When my victims open their mouths (to scream…), you may see whitish spots on the palate.
   I am Measles Virus

3. I am a gram positive rod, an obligate anaerobe & produce spores. I enter skin breaches and flourish, releasing exotoxin that inhibits GABA & glycine release at motor neurones.
   I am Clostridium tetani.

4. I am a gram positive rod, obligate anaerobe & spore producer. I also like to enter skin breaches, but am also keen on the ingestion route. My exotoxin prevents acetylcholine release at the neuromuscular junction.
   I am Clostridium botulinum.

5. I am a gram positive coccus with lots of virulence factors including (but not limited to) surface receptors for fibrinogen, a polysaccharide capsule to resist phagocytosis & membrane-damaging toxins.
   I am Staphylococcus aureus.

6. I am borne by arthropods who bite their victims, causing your Pacific holiday to end in woe, fever, headache, myalgia, cough & the disturbing finding of a characteristic eschar at my entry point.
   I am Scrub typhus/rickettsia/orienta tsutsugamushi.

7. I am a yeast present in soil & bird droppings, entering with inhalation and delighting in leaving the lung relatively unharmed while I proliferate in the meninges & brain. I do best in the immunosuppressed.
   I am Cryptococcus neoformans.

8. I am a versatile gram negative who infects the genital tract and spread throughout the body. I inflame small vessels, with a plasma cell rich infiltrate.
   I am Treponema pallidum

9. I am a gram negative coccobacillus who infects bronchial epithelium. My special skills are inhibiting neutrophils & macrophages & paralysing cilia.
   I am Bordatella pertussis

10. I am a gram negative facultative intracellular bacterium who transmits by flea bites & aerosol. I mess with cell signalling pathways to block the production of cytokines. Unsurprisingly, I then disseminate widely via blood & lymph, with a good deal of morbidity & mortality.
    I am Yersinia pestis.