



1. What is the use of aerosolized antibiotics in ICU?
2. Influenza vaccine – types, indications and recommendations.
3. A pregnant female with 8 weeks amenorrhea is diagnosed with sputum positive TB; CBNAAT shows resistance to Rifampicin. How will you manage this patient?
4. A HIV-positive patient with hypoxic respiratory failure and a CD4 count of 62/ μ L is suspected to have pneumocystis pneumonia. How will you diagnose and manage this patient?
5. A patient on invasive mechanical ventilation for 7 days has failed spontaneous breathing trial thrice. Enumerate the possible causes and strategies that can help weaning.
6. Describe the 3 Is in prevention and treatment of HIV – TB co-infection. What are the mutual effects of HIV and TB on each other?
7. Molecular diagnostics for fungal infections and their clinical utility.
8. Utility of Procalcitonin levels in critical care.
9. A 65-year-old male with diabetes presents with 2 days' h/o high grade fever, cough with purulent expectoration and breathlessness. What diagnostic investigations will you do and how you assess and manage this patient.
10. Enumerate the vision, targets and pillars of end TB strategy.

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