



1. Outline the methods available to estimate fluid balance in the critically ill patient and briefly discuss their advantages and limitation. (You may tabulate your answer).
2. What is the role of cardio selective betablockers in the management of severe heart failure in ICU?
3. Outline the causes, consequences and management of Vancomycin Resistant Enterococcus in the critically ill patient.
4. What are the neuroprotective measures to prevent secondary brain injury?
5. What are the physiological complications in acute liver failure?
6. Discuss four assessments of the right ventricle that can be made by transthoracic echocardiography.
7. A patient presents with a red swollen leg and systemic signs of sepsis. You suspect necrotizing fasciitis. How will you confirm the diagnosis and what are the priorities of management?
8. What are the causes and management of delirium in ICU?
9. Compare and contrast osmotherapy with hypertonic saline and mannitol.
10. Critically evaluate the use of neuromuscular blocking agents in severe respiratory failure due to acute respiratory distress syndrome (ARDS).

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