



1. Describe the Guytonian and non Guytonian model of venous return and their implications in critical care.
2. Define the principles of medical ethics as applicable to critical care and discuss any one principle of ethics which in your experience is most controversial in the Indian context.
3. Describe the physiological principles determining ventilator setting in acute bronchial asthma.
4. Discuss the controversies underlying combination antibiotic therapy for Pseudomonas infection in the ICU.
5. Define and describe persistent Vegetative state.
6. Define a logistic function and describe the use of logistic functions in the critically ill population.
7. Describe the microcirculatory alterations seen in shock.
8. Describe the physiological principles underlying nutritional prescription for the critically ill.
9. Discuss the utility of thyroid functions tests in the critically ill.
10. Discuss the use of peripheral smear examination of blood in ICU.

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