

1. Define cerebral death and brain death. Discuss the criteria to establish brain death.
2. Define the criteria for the diagnosis of ARDS. Enumerate the causes for development of ARDS. Describe the strategies for ventilating the patient with ARDS.
3. Describe patient selection criteria for day care surgery. Discuss the anaesthetic management of a 4 year old child for circumcision, as a day care procedure.
4. Patient with a large thyroid gland, euthyroid clinically and biochemically has been posted for thyroidectomy. Describe the induction technique in this patient. What are the possible causes for post operative stridor in patient undergoing thyroid surgery? What are the measures you would institute if the patient develops stridor due to hematoma at the site of surgery?
5. A 45 year old male has suffered 40% burns a week ago involving front of chest, abdomen and legs. Describe the perioperative management of the patient scheduled for tangential excision.
6. Discuss the clinical uses of packed red cells, platelets and fresh frozen plasma.
7. Auto peep.
8. Weaning modes of ventilation.
9. Discuss the perioperative management of a 72 year male with history of recent myocardial infarction posted for emergency laparotomy.
10. What are the risk factors for awareness during general anaesthesia? Describe in detail bispectral index (BIS) monitoring.

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