

Answer as many Qs as you can.

***1. What is the Compression:ventilation ratios in
Adult one rescuer***

Adult two rescuer

Paediatric one rescuer

Paediatric two rescuers

Neonatal one rescuer

Neonatal two rescuers

2. What are the Complications of CPR?

3. Write the the ALS algorithm for Pulseless VT/VF

4. Write down the first line treatment for each of the following arrest situations:

TCA over dose:

Witnessed monitored VF/pulseless VT:

Cardiac arrest in trauma:

5. List the potential causes for PEA arrest?

6. Complete the table below for Paediatric resuscitation

Compression to ventilation	Two rescuer : One rescuer
Defibrillation	
Adrenaline	
Atropine	
Amiodarone	
Lignocaine	
Mg	
HCO₃	

7. What are the risk factors for desaturation during the oxygenation ?

8. What is the cause if unable to advance the ETT before the cords and what is the manoeuvre to overcome this?

9. What is the cause if unable to advance the ETT after passing the cords?

10. What are the predictors of a difficult airway?

11. What are the Contraindications for use of Nitrous oxide (N₂O)?

12. What are the Adverse effects of N₂O?

13. What are the Predictive systems for difficult intubation?

14. List 4 indications for intubation in ED?

15. What is your Intubation checklist?

16. What is the optimal time in intubation post administration of suxmethonium?

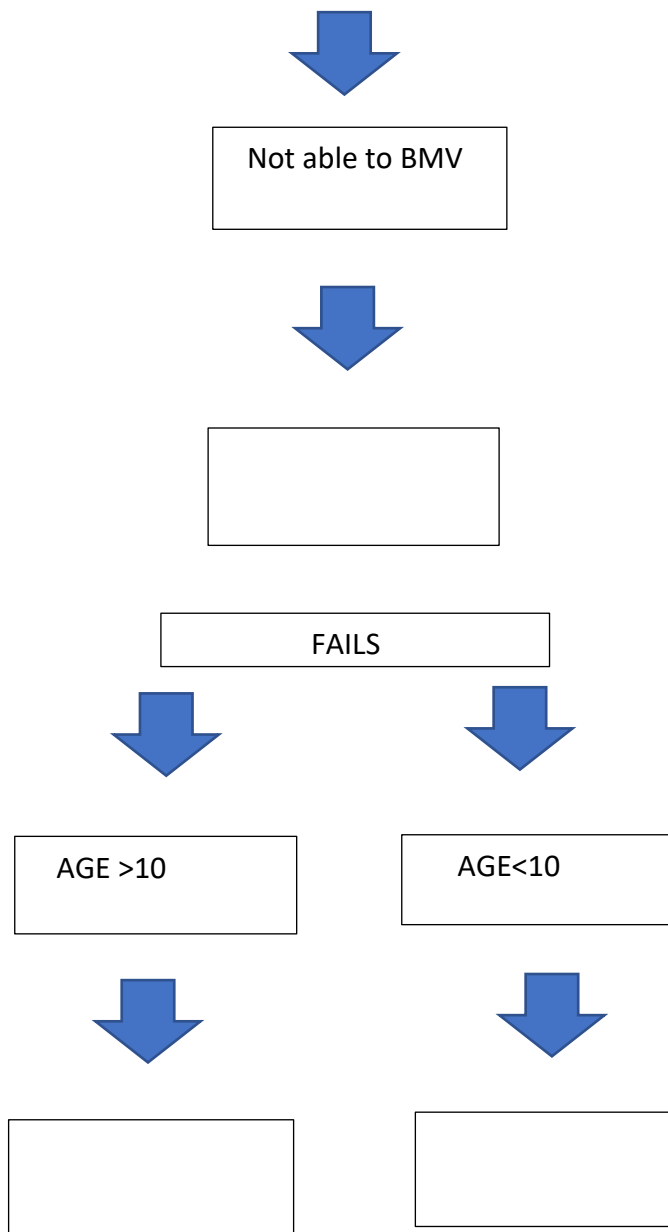
17. What are the indications for BMV during openic period ?

18. What is the optimal pressure for the ETT tube cuff pressure to prevent tissue ischaemia?

19. On the CXR what is the optimal level for the ETT?

20. Complete the following:

Failed to intubate despite optimal relaxation and positioning



21. What are the advantages of LMA?

22. What are the disadvantages of LMA?

23. What LMA size will you use in a 2 years old boy?

24. What are the post intubation care steps?

25. What are the 6 common or important causes of hypotension post intubation?

26. What are the common causes of hypertension post intubation?

27. List Complications of intubation?

28. List the causes of laryngospasm?

29. What are the steps for Endotracheal extubation in emergency department?

30.Criteria for removal of ETT in emergency department?

31.What are the complications of surgical airway?

32.What are the differences between adult and paediatric airway and breathing?

33.What are the estimated size of ETT for < 1 years and >1 years old?

34.List the physiological effects of obesity and corresponding concern during potential ventilation and oxygenation?

35. Which of the following drugs are ideal and which one is actual body weight base?

Propofol (induction)

Ketamine

Rocuronium

Suxamethonium

36. List the conditions associated with Malignant hyperthermia ?

37. How many hours after intubation does majority of patients become symptomatic due to Malignant Hypertension?

38. What are the clinical findings suggestive of Malignant Hyperthermia?

39. What are the initial treatment for Malignant Hyperthermia?

40. What are the potential complications of procedural sedation?

41. What is the definition of Respiratory Failure with 3 example for each type?

42. Complete the various Oxygen delivery systems questions below?

Flow (L/min.)	FiO2 (%)
1	
2	
3	
4	
6	

43. What is the flow used for children <2 years of age with HFNC?

44. What is the minimum flow of O2 you can use with Hudson Mask?

45. Complete the Table below for Hudson Mask FiO2 Delivery?

Flow (L/min.)	FiO2 (%)
6	
7	

8	
9	
10	

46. What is the minimum O₂ flow should be used with Non rebreather mask?

47. What is the p₅₀ on the ABG ?

48. List the advantages of Non invasive ventilation

49. List the contraindications for NIV?

50. What are the NIV setup in the following situations?

• in pulmonary oedema optimum pressures are :

-IPAP

-EPAP

• in COPD initial pressures

-IPAP

-EPAP

51. What is the effect of increase IPAP?

52. What is the effect of increase EPAP?

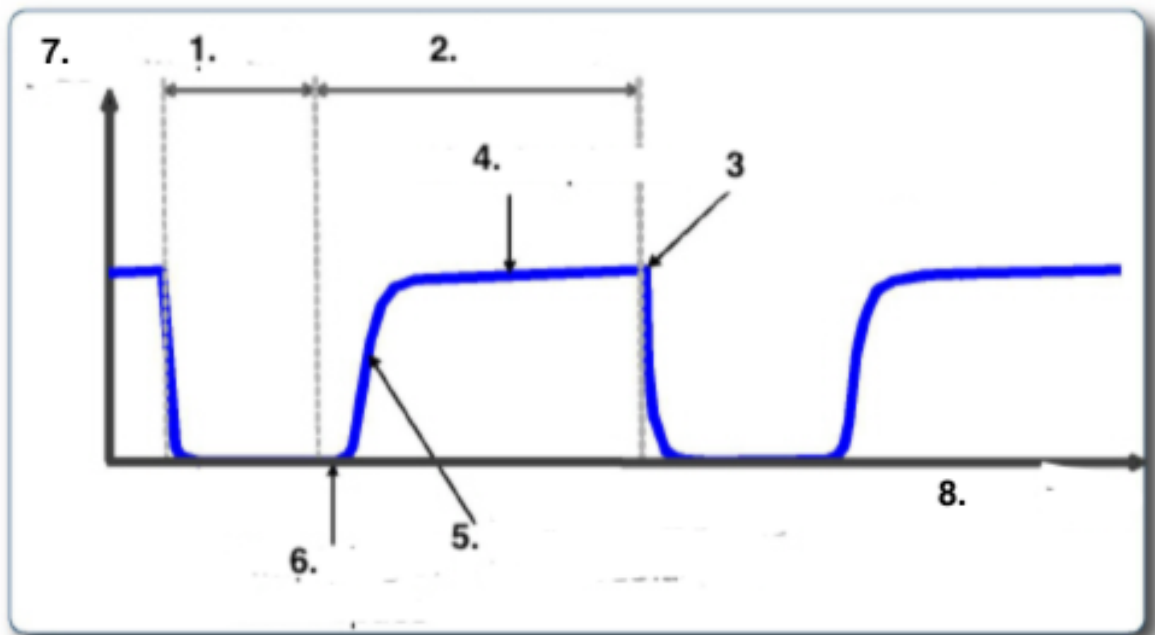
53. How much face mask leak is acceptable in a patient on NIV?

54. What are the Complications of NIV?

55. What are the causes of High airway pressures in I+V patient?

56. What are the Ventilator settings in intubated Asthma patient?

57. Label the following:



58. Identify the abnormality:

