



Weaning – Liberation Questions

- 1) Which of the following is a criterion for initiating the weaning process?
 - A) $\text{PaO}_2 < 50 \text{ mmHg}$ on $\text{FiO}_2 > 0.5$
 - B) Norepinephrine drip at dose of 0.15 mcg/kg/min
 - C) $\text{PaO}_2 > 60 \text{ mmHg}$ on $\text{FiO}_2 \leq 0.4$
 - D) $\text{PEEP} \geq 10 \text{ cmH}_2\text{O}$

- 2) Which method is commonly used to assess a patient's readiness for extubation?
 - A) Arterial Blood Gas (ABG) analysis
 - B) Spontaneous Breathing Trial (SBT)
 - C) Chest X-ray
 - D) Bronchoscopy

- 3) Which maneuver does not correlate with the patients' effort during the SBT?
 - A) RSBI (Rapid shallow breathing index)
 - B) P0.1 (Airway occlusion at 100 msec)
 - C) Airway occlusion
 - D) PMI (Pressure muscle index)

- 4) Which RSBI value generally indicates that a patient may tolerate weaning?
 - A) $\text{RSBI} > 150 \text{ breaths/min/L}$
 - B) $\text{RSBI} > 105 \text{ breaths/min/L}$
 - C) $\text{RSBI} < 105 \text{ breaths/min/L}$
 - D) $\text{RSBI} < 50 \text{ breaths/min/L}$

- 5) What level of P0.1 have found to be a predictor of successful extubation?
 - A) $-4 \text{ cmH}_2\text{O}$
 - B) $-6 \text{ cmH}_2\text{O}$
 - C) $-8 \text{ cmH}_2\text{O}$
 - D) A & B
 - E) B & C

6) What modes can be used to perform the SBT?

- A) PSV (Pressure Support Ventilation)
- B) CPAP (Continuous Positive Airway Pressure)
- C) ASV (Adaptive Support Ventilation)
- D) APRV (Airway Pressure Release Ventilation)
- E) PAV (Proportional Assist Ventilation)
- F) All of the above

7) A Glasgow Coma Scale (GCS) score of 8 is a must before extubation

- A) True
- B) False

8) Extubation directly to Non Invasive Ventilation has improved outcomes in high risk patients?

- A) True
- B) False

9) Which ones of below are considered high risk of extubation failure?

- A) Age over 65
- B) Underlying cardiopulmonary disease
- C) Body mass index over 30 kg/m²
- D) Upper airway obstruction with stridor
- E) Weak cough
- F) All of the above

10) If a patient fails an SBT, what is the most appropriate next step?

- A) Proceed with extubation immediately to NIV
- B) Switch to SIMV
- C) Return to full ventilator support and reassess
- D) Increase sedation and attempt weaning again same day
- E) Proceed with Tracheostomy