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Educational questions.

“Determinants of endothelial function in patients with COPD”
For some questions more than one answer could be correct.

1. Which of the following statements regarding endothelial function is true:

- Endothelial function has well defined and validated cut-off values.
- Endothelial function has predictive value for the future occurrence of cardiovascular events.
- Assessment of flow-mediated dilatation as a marker of endothelial function is user independent.
- Only invasive assessment of endothelial function allows cardiovascular risk assessment.

2. Which of the following is a significant determinant of endothelial function in COPD?

- Sex.
- Total lung capacity.
- Breathing rate.
- FEV₁.

3. Which one of the following statements regarding physical activity in COPD is true?

- COPD patients who are regularly physically active have a lower risk of COPD related hospital admissions.
- Physical activity is only reduced in patients with severe COPD.
- Physically active COPD patients are more prone to impairment of endothelial function as compared to their inactive counterparts.
- Physical activity in severe COPD is contraindicated due to the risk of exercise induced hypoxemia.

4. Which one of the following statements in COPD is false?

- FEV₁ is independently associated with endothelial function in moderate to severe COPD.
- Oxidative stress is independently associated with endothelial function in moderate-to-severe COPD.
- Heart rate is significantly higher in patients with severe COPD compared with patients with mild-to-moderate COPD.
- The association between FEV₁ and impaired endothelial function is modified by the level of physical activity.