

Smith Seminars 2012 Online Course
Mechanisms of COPD – Printed Test Page 1

NAME _____

DATE _____

1. _____Chronic Obstructive Pulmonary Disease or COPD is:
 - A) Reversible
 - B) Identical to asthma
 - C) Characterized by slowly progressive development of airflow limitation
 - D) None of the above

2. _____Mechanisms of airflow limitation of the small airways include:
 - A) Narrowing of small airways
 - B) Increased formation of lymphoid follicles
 - C) Deposition of collagen in the outer airway wall that may restrict airway opening
 - D) All the above

3. _____An increase in the inflammatory cell types implicated in COPD includes:
 - A) Macrophages
 - B) T- and B-lymphocytes
 - C) Neutrophils
 - D) All the above

4. _____Neutrophils:
 - A) Have the capacity to induce tissue damage through the release of serine proteases and oxidants
 - B) Are recruited to the airways of COPD patients
 - C) A & B
 - D) None of the above

5. _____Macrophages:
 - A) May be activated by cigarette smoke extract
 - B) Secrete more inflammatory proteins
 - C) Have a long survival time so this is difficult to measure directly
 - D) All the above

6. _____The airways and lungs contain a rich network of dendritic cells that are:
 - A) Localized near the surface
 - B) Located to signal the entry of foreign substances that are inhaled
 - C) Able to activate a variety of other inflammatory and immune cells
 - D) All the above

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7. _____ Airway epithelial cells:

- A) Secrete dextrose and other catabolic proteins with antimicrobial effects
- B) Are important in defense of the airways
- C) Secrete antioxidants and transport immunoglobulin Z
- D) All the above

8. _____ The increased oxidative stress in the airways of COPD patient:

- A) May play an important pathophysiological role in the disease by amplifying the inflammatory response in COPD
- B) May impair the function of antiproteases and accelerate the breakdown of elastin in lung parenchyma
- C) A & B
- D) None of the above

9. _____ High doses of corticosteroids fail to reduce:

- A) The progression of COPD
- B) Cytokine and chemokines
- C) A & B
- D) None of the above

10. _____ Persistence of certain bacteria in the lower respiratory tract of COPD patients:

- A) May be due to localization to protected sites
- B) Is always susceptible to antibiotics or antibody-mediated defense mechanisms when they are located between airway epithelial cells
- C) Is associated with decreased concentrations of inflammatory mediators in COPD patients
- D) None of the above

Submission Instructions

Print the test, answer the questions, and fill out personal information.

Submission Method #1 – Fax to us at 972-759-9791

Submission Method #2 – Smith Seminars, PO Box 516, Paradise, TX 76073

Submission Method #3 – Go to www.smithseminars.com online tests and enter answers

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