

SELF ASSESSMENT: RSPT 1200 – MODULE G

1. Methacholine testing is also known as **PROVOCHOLINE**.
2. Methacholine can be described as:
 - i. Anticholinergic
 - ii. Cholinergic
 - iii. Parasympatholytic
 - iv. Parasympathomimetic
 - A. I ONLY
 - B. II ONLY
 - C. I and III
 - D. **II and IV**
 - E. II and III
3. A **20%** drop in FEV₁ is diagnostic of a positive methacholine response.
4. **PENTAMIDINE** is classified as an anti-protozoal agent.
5. The most common protozoal parasite is **pneumocystis Carinii**.
6. The nebulizer used for the delivery of pentamidine is the **RESPIRGARD II**.
7. What particle size is the nebulizer required to produce to administer pentamidine? **1 to 2 microns**
8. State the trade name for pentamidine. **NEBUPENT**
9. Describe how pentamidine is supplied and what must be done before it can be nebulized.
 - A. **COMES SUPPLIED AS A DRY POWDER**
 - B. **300 MG IN A VIAL AND MUST BE RECONSTITUTED WITH 6 ML OF STERILE WATER FOR INJECTION.**
 - C. **THE ENTIRE 6 ML IS PLACED IN THE NEBULIZER. PARTICLE SIZE PRODUCED IS 1-2 μM.**
10. List two side-effects healthcare workers have been known to develop when administering pentamidine.
 - A. **BRONCHOSPASM**
 - B. **CONJUNCTIVITIS**
11. Name the drug used to treat RSV. **Ribavirin**

12. What does RSV stand for?
- A. R: **RESPIRATORY**
 - B. S: **SYNCTITIAL**
 - C. V: **VIRUS**
13. What is the **full** name of the nebulizer used to deliver ribavirin?
- SMALL PARTICLE AEROSOL GENERATOR (SPAG)**
14. Describe how ribavirin is supplied and what must be done before it can be nebulized.
- A. **RIBAVIRIN IS GIVEN IN 2% STRENGTH.**
 - B. **20 MG/ML AND IS ADMINISTERED WITH THE SPAG (LARGE VOLUME NEBULIZER WITH A CAPACITY OF 500 ML)**
 - C. **SPAG GENERATES A PARTICLE SIZE 1.3 μ M.**
 - D. **6 GM OF POWDER IN A 100 ML VIAL.**
 - E. **RECONSTITUTED WITH 300 ML OF STERILE WATER.**
 - F. **AFTER RECONSTITUTION, THE SOLUTION WILL CONTAIN 20 MG/ML OF RIBAVIRIN.**
15. State the trade name for ribavirin. **VIRAZOLE**
16. List the conditions that the American Academy of Pediatrics state ribavirin is indicated for:
- A. **CONGENITAL HEART DISEASE; ANY CARDIOPULMONARY DISEASES**
 - B. **BRONCHOPULMONARY DYSPLASIA**
 - C. **IMMUNODEFICIENT PATIENTS (CANCER, AIDS, MALNUTRITION)**
 - D. **SEVERELY ILL INFANTS WHO ARE HOSPITALIZED WITH RSV INFECTION.**
 - i. **PAO₂ LESS THAN 65 MM HG**
 - ii. **SAO₂ LESS THAN 90%**
 - iii. **INCREASING PACO₂**
 - iv. **AND/OR PATIENTS WHO REQUIRE MECHANICAL VENTILATION**
 - E. **INFANTS LESS THAN 6 WEEKS/AGE**
 - F. **PREMATURE INFANTS**
17. Define the following terms:
- A. Mutagenic - **MUTATION OF GENES**
 - B. Carcinogenic - **CANCER CAUSING**
 - C. Teratogenic - **CONGENITALLY DEFORMED FETUS**
 - D. Embryocidal - **KILLS EMBRYO**

18. What do the initials RSV-IGIV stand for?
- A. R: **RESPIRATORY**
 - B. S: **SYNCTITIAL**
 - C. V: **VIRUS**
 - D. I: **IMMUNE**
 - E. G: **GLOBULIN**
 - F. IV: **INTRAVENOUS**
19. Under what name is RSV-IGIV marketed? **RESPIGAM**
20. How is RespiGam administered? **INTRAVENOUSLY**
21. What is the indication for RespiGam? **INDICATED FOR THE PREVENTION OF SERIOUS LOWER RESPIRATORY TRACT INFECTION WITH RSV IN CHILDREN LESS THAN 24 MONTHS OF AGE.**
22. What antibiotic is used in the treatment of cystic fibrosis? **tobramycin**
23. The most common microorganism associated with Cystic Fibrosis is **pseudomonas Aeruginosa.**
24. What is the trade name for tobramycin? **TOBI**
25. List the five drugs used to treat Tuberculosis.
- A. **Rifapentine**
 - B. **Isoniazid**
 - C. **Rifampin**
 - D. **Ethambutol**
 - E. **Pyrazinamide**
 - F. **Rifabutin**
26. Define surface tension. **FORCE CAUSED BY THE ATTRACTION BETWEEN LIKE MOLECULES AT THE SURFACE OF A LIQUID-GAS INTERFACE.**
27. List the drug used to reduce surface tension of bubbles associated with pulmonary edema. **ETHYL ALCOHOL**

28. How does nicotine affect the autonomic nervous system?
NICOTINE IS CAPABLE OF STIMULATING ACETYLCHOLINE RECEPTORS AT THE AUTONOMIC GANGLIA OF BOTH THE SYMPATHETIC AND PARASYMPATHETIC SYSTEMS AS WELL AS THE CHOLINERGIC NICOTINIC RECEPTORS AT SKELETAL MUSCLE SITES. NICOTINE INCREASES RELEASE OF EPINEPHRINE AND NOREPINEPHRINE FROM THE ADRENAL MEDULLA.
29. List three methods used in nicotine replacement therapy.
A. **TRANSDERMAL**
B. **GUM**
C. **SPRAY**
30. Lidocaine is nebulized for **BRONCHOSCOPY**.