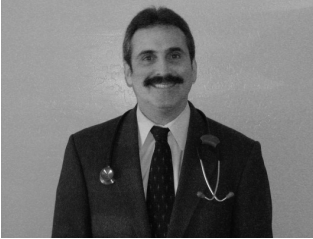


Test Your Aero medical Knowledge



Dr David Bryman
Senior Aviation Medical Examiner
FAA/Transport Canada/JAA

Please answer the following questions to test your knowledge in Aviation medicine.

1. What is the main cause of decompression sickness?
 - a) Reduction in ambient pressure resulting in the formation of bubbles from gases dissolved in body tissues
 - b) And increase in ambient pressure resulting in the formation of bubbles from gases dissolved in body tissues
 - c) Hypoxia during high altitude flight
 - d) Oxygen toxicity resulting from the treatment of hypoxia

2. The symptoms of hyperventilation are similar to those of:
 - a. Trapped gas
 - b. Evolved gas
 - c. Hypoxia
 - d. Hypemia

3. Which of the following is the health risk associated with cigarette smoking that is of particular importance in the aviation environment?
 - a. Carbon monoxide in the blood
 - b. Carbon dioxide in the blood
 - c. Nitrogen in the blood
 - d. Nicotine in the blood

4. The Cabin Pressurization system protects you from:
 - a. Hyperglycemia
 - b. Hypoglycemia
 - c. Hypoxia and decompression sickness
 - d. Hyperventilation and hyperthermia

5. . True or False: The body can adapt to heat better than cold?

- a. True
- b. False

6. _____, _____, & _____ are medical conditions that automatically disqualify an airman from being certificated or certificate renewal.

- a. Near sightedness, myocardial infarction, & unexplained seizure
- b. Diabetes mellitus, acid reflux disease, & heart replacement
- c. Myocardial infarction, unexplained unconsciousness, & bipolar disorder
- d. Farsightedness, halitosis, substance abuse

7. Who has the absolute final authority to review a medical disqualification after an airman has been denied a certificate or renewal?

- a. The Administrator of the FAA
- b. An administrative law judge appointed by the NTSB
- c. The Federal Flight Surgeon
- d. The President of the United States

8. In order to be considered for a special issuance medical certificate after a cardiovascular event, the applicant must first wait a period of _____.

- a. 90 days
- b. 6 months
- c. 1 year
- d. 3 years

9. What is the most significant aeromedical concern with a spontaneous pneumothorax?

- a. Fits of coughing
- b. Increased chance of future pneumothorax
- c. Permanent lung damage
- d. Fluid in the lungs

10. Which of the following personality disorders is most common among pilots?

- a. Paranoid
- b. Histrionic
- c. Borderline
- d. Avoidant

11. Which conditions often result in flight disqualification?

- a. Vertigo
- b. GERD
- c. Meniere Syndrome
- d. a and c

12. What are some conditions that would temporarily disqualify a pilot from flying?

- a. Headache, Upper respiratory tract infection
- b. Sinusitis, Acute gastroenteritis, Myalgia, Flu, Toothache
- c. Use of medications to treat a minor illness (due to the effects of the medication)

d. All of the above

13. Which transplant recipients are always disqualified from flying?

- a. Heart
- b. Kidney
- c. Liver
- e. a and c

14. The following is NOT a symptom of circadian rhythm disruption.

- a. Sleep disturbance
- b. Euphoria
- c. Changes in appetite
- d. Anxiety

15. The most common in-flight medical emergency is?

- A. Neurogenic syncope and cardiac episodes
- B. Ebola
- C. Hepatitis
- D. Parasites

Answers 1A 2C 3A 4C 5A 6C 7B 8B 9B 10A 11D 12D 13A 14B 15A

