



Scientific team

## Pathology quizz-RS

1. A 60-year-old man presented to the emergency department following a motor vehicle accident. A chest CT scan revealed a circumscribed solitary coin like lung lesion containing fibroadipose tissue, cartilage and calcifications and this was confirmed on a biopsy. The characteristics of this pulmonary nodule are those of?

  - A. Adenocarcinoma.
  - B. Pulmonary hamartoma.
  - C. Carcinoid tumor.
  - D. Squamous cell carcinoma.
  - E. None of the above.
2. All of the following statements regarding the etiology and genetic factors of lung cancers are true except?

  - A. EGFR mutations are more common in Asian nonsmokers women.
  - B. There is a synergistic interaction between asbestos and tobacco smoking in causing cancer.
  - C. Men are Not susceptible to carcinogens in tobacco smoke.
  - D. RB and P53 mutations are very COMMON in small cell carcinoma.
  - E. Smoking cessation NEVER returns the risk of the development of lung cancer to baseline levels.
3. A 55-year-old male smoker presented with cough and shortness of breath. A chest CT scan revealed the presence of a central lung mass with cavitation. A biopsy was performed to show an invasive malignant tumor composed of nests of cells with intercellular bridges and keratinization. Which one of the following statements about the patients tumor is True?

  - A. It is the most common cancer in women and non- smokers.
  - B. It is preceded by adenocarcinoma in situ.
  - C. It disseminates outside of the thorax later than other histologic types.
  - D. It is derived from neuro-endocrine cells of the lung.
  - E. It typically arises peripherally.
4. Select the correct statement about malignant mesothelioma that would support the diagnosis of it over carcinoma?

  - A. it is rarely preceded by asbestos exposure.
  - B. It has an intact p16 gene.
  - C. it has keratinization.
  - D. Characterized by the presence of long slender microvilli on electron microscopy.
  - E. it shows normal pleura on imaging.



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**ANSWERS:**

1.B

2.C

3.C

4.D