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Educational questions.

"Correlation of radio- and histomorphological pattern of pulmonary adenocarcinoma"

1. Which statement is not correct: The novel histologic IASLC/ATS/ERS classification for pulmonary adenocarcinomas:

- Classifies pulmonary adenocarcinomas based on the predominant histomorphological pattern.
- Has been demonstrated to be of high prognostic value.
- Is preferably applicable to biopsies.
- Is reliably applicable among experienced pathologists.
- Is intended to allow for standardized tumor grading.

2. Which of the following statements concerning the lepidic growth pattern of pulmonary adenocarcinomas is correct?

- Peripheral adenocarcinomas have a significantly lower percentage of lepidic growth pattern than central adenocarcinomas.
- Predominant lepidic growth of pulmonary adenocarcinomas indicates a poor prognosis.
- Lepidic predominant adenocarcinomas are significantly associated with a smooth tumor margin.
- Air bronchogram is negatively associated with the lepidic growth pattern.
- Ground glass opacity is considered the computed tomography correlate of lepidic growth.

3. Concerning the CT appearance of adenocarcinomas, which of the following statements is true?

- The shape of the nodule is highly predictive of histological growth pattern.
- Semi-solid adenocarcinomas are more frequent than non-solid ones.
- The solid appearance at CT correlates well with the solid growth pattern.
- Spiculated margins are predictive of the micropapillary growth pattern.
- The presence of intratumoral bronchogram is a significant prognostic parameter.

4. Concerning the CT appearance of adenocarcinomas, which of the following statements is not true?

- Smooth margins suggest a low grade adenocarcinoma with good prognosis.
- Ground glass opacity might not represent lepidic growth pattern.
- A precise assessment of CT morphological features is more important in the palliative than in the curative workup of adenocarcinomas.
- A precise assessment of CT morphological features may help plan percutaneous biopsy.
- A precise assessment of CT morphological features may help plan surgery.