Bronchioloalveolar Carcinoma: Time for a New Term

Carcinoma broncoalveolar: un término a actualizar

To the Editor:

In the July issue of Archivos de Bronconeumología, Dr. Paraschiv and partners published a case in the Letters to the Editor section. These authors describe a case of a male, 35-year smoker with a 35 pack-year history, consulting with symptoms of fatigue, cough and chest pain of 2-week duration. Chest X-ray revealed airspace involvement in the form of patchy consolidation with air bronchogram that was confirmed on a computed tomography (CT) scan

patients (35, 43 and 42% of isolates, respectively). They also mention the increasing importance of Legionella pneumophila, which accounts for 6, 8 and 8% of the cases classified as above, respectively. These figures are consistent with those published by Herrera-Lara et al., who reported that 8.6% of cases are caused by L. pneumophila. Here, in Toledo, the climate tends toward colder, wetter winters and warmer, wetter summers: the average winter temperature in Toledo in 2009–2011 was 7.20 °C compared to the mean 9.72 °C reported in the study of Herrera-Lara et al., and accumulated rainfall was 54.3 L compared to their 35.2 L; average summer temperatures were 26.23 °C vs 24.6 °C, and rainfall was 15.9 L vs 8.27 L, respectively. We have studied the incidence of CAP according to the seasonal pattern and differences in frequency between S. pneumoniae and L. pneumophila, using the databases of several studies on the management of CAP in the years 2009–2011. S. pneumoniae and L. pneumophila were systematically investigated in all patients with sepsis, admitted with pneumococcus and L. pneumophila serogroup 1 antigens in urine (membrane immunochromatography-Binax NOW®). Blood and sputum cultures with direct seeding were requested for inpatients when possible (Legionella: direct immunofluorescence of Legionella pneumophila antigen), and 1698 CAP cases from ED were included (51% were admitted to hospital and etiologic diagnosis was obtained in 39.5%). The seasonal distribution compared with the study of Herrera-Lara et al. was as follows: winter (38 vs 36.6%), spring (25 vs 20.2%), summer (8 vs 18.5%) and fall (31 vs 24.7%). Fig. 1 shows a similar distribution pattern for both in all seasons (P=NS). Other diagnoses, such as atypical bacteria (2.5% for Mycoplasma pneumoniae and Chlamydia pneumoniae) and viral infections (0.5%–1%), showed no seasonal differences, although their proportions are likely to be underestimated, as they were not studied systematically. In conclusion, CAP etiology is influenced not only by the climate and season, but also by geographical location and other factors.

References


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Fig. 1. Seasonal distribution of causative pathogens of community-acquired pneumonia.
Winter: December to February. Spring: March to May. Summer: June to August. Fall: September to November.
adenocarcinomas presenting as ground-glass opacities in chest CT,\(^2\) with very good prognosis after surgical resection (survival rates of 100% at 5 years after surgery).\(^3\) to tumors, such as the one described in the clinical case that begins with extensive multilobar disease. Accordingly, the terminology “bronchioloalveolar carcinoma” is considered imprecise, since it encompasses tumors with very different clinical behaviors. For this reason, the recent classification of lung adenocarcinoma jointly published in February 2011 by the European Respiratory Society (ERS), the American Thoracic Society (ATS), and the International Association for the Study of Lung Cancer (IASLC)\(^4\) recommends forsaking the term “bronchioloalveolar carcinoma”. In this new classification of lung adenocarcinoma, five categories that were encompassed under the concept of bronchioloalveolar carcinoma are considered:

1) In situ adenocarcinoma.
2) Minimally invasive adenocarcinoma.
3) Predominantly lepidic adenocarcinoma (non-mucinous).
4) Predominantly invasive adenocarcinoma with non-mucinous lepidic component.
5) Invasive mucinous adenocarcinoma.

In conclusion, the diagnosis of bronchioloalveolar carcinoma should be avoided, as recommended by the new adenocarcinoma classification, and we should refer instead to any of the five specified categories.

**Funding**

None.

**Acknowledgements**

None.

**References**


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