Reviewer’s report

Title: Half of the patients with adenosquamous cell carcinoma of the lung have double cancer

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Reviewer: Akihiko Uchiyama

Reviewer’s report:

The authors described clinicopathological characteristics of 11 patients with adenosquamous carcinoma. They compared some variables among adenosquamous carcinoma, adenocarcinoma, and squamous cell carcinoma. There was a statistically higher frequency of double cancer in adenosquamous carcinoma patients compared with that in other histological types.

Although this paper is clearly summarized, an essentially weak point is the small number of patients with adenosquamous carcinoma. In the previous reports on adenosquamous carcinoma of the lung, the number of patients for analysis were 30 [Nakagawa, Ann Thorac Surg 2004], 44 [Shimizu, Eur J Cardiothorac Surg 2005], 96 [Eur J Cardiothorac Surg 2005], and 872 [Ann Thorac Surg 2010]. Compared with those reports, this study just includes 11 patients with adenosquamous carcinoma. The authors emphasized a high frequency of double cancer, however, it is easily influenced by small number of patients. The title “half of the patients with adenosquamous cell carcinoma of the lung have double cancer” seems to be exaggerated.

Level of interest: An article whose findings are important to those with closely related research interests

Quality of written English: Needs some language corrections before being published

Statistical review: Yes, but I do not feel adequately qualified to assess the statistics.

Declaration of competing interests:

I declare that I have no competing interests' below.