Poster Session

PROGNOSTIC FACTORS IN UNRESECTABLE STAGE III NON-SMALL CELL LUNG CANCER

S. Boku, Y. Kasamatsu, T. Kida, Y. Kasamatsu
Department of Respiratory Medicine of Matsushita Memorial Hospital

Background: Although there was a few reports which examined the prognosis factor in patients with unresectable stage III non-small cell lung cancer in the past, but there is no fixed view. On the other hand, it is known that maximum standardized uptake value (SUVmax) of the tumor reflects its viability.

Method: We retrospectively enrolled 37 consecutive patients who were diagnosed as unresectable stage III non-small cell lung cancer at our hospital between September 2008 and February 2013, and explored the prognostic factors.

Result: Sex: Male/Female = 30/7, Age: 55-86 (average 71.6), PS: 0/1/2 = 22/11/4, Stage: IIIA/IIIB = 18/19, Histological type: Ad/Sq/NOS = 14/14/9, 1st-line Tx: Chemoradiotherapy (CRT)/Radiation therapy alone/chemotherapy alone = 22/7/8, Median of SUVmax in primary lesion: 12.6 (5.9-22.7). The variables of Age (p = 0.04), CRT (p = 0.03), and SUVmax (p = 0.04) were extracted as prognosis factors in result of univariate analysis. Although not detected as an all independent prognosis factor in the multivariate analysis, it was suggested that the SUVmax was the most useful (hazard ratio: 2.26 or 95% confidence interval: 0.71-7.15, p= 0.16).

Conclusion: This study suggests that SUVmax is useful as the prognostic factor in unresectable stage III non-small cell lung cancer. We need to accumulate more cases in order to confirm it.