

# European Respiratory Society Annual Congress 2013

**Abstract Number:** 1851

**Publication Number:** P4499

**Abstract Group:** 11.1. Lung Cancer

**Keyword 1:** Lung cancer / Oncology **Keyword 2:** Quality of life **Keyword 3:** No keyword

**Title:** FACT-L (functional assessment of cancer therapy-lung) psychometric properties of the Turkish version of quality of life scale (validity and reliability) and determination using the clinic (Akkaya-1 project)

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**Body:** Measurement of quality of life in treatment of advanced lung cancer is an important factor for effectiveness evaluation. Turkish version of FACT-L (Functional Assessment of Cancer Therapy–Lung) questionnaire of the validity and reliability assessment as there has not been yet. It is to search whether Turkish version of FACT-L quality of life questionnaire is reliable, valid applicable as a means of life quality assessment for lung cancer. Turkish thoracic society is a prospective cohort study which has been carried out by Lung-Pleura Malignancies Working Group, Life Quality on Health Society in cooperation within the frame of multicentered The Project of Quality of life in lung cancer. In lung cancer patients with stage IIIB-IV, the validity and reliability of the questionnaire were analyzed Total 299 patients, mean age 60.8, and 61.5% in stage IV, 38.5% of IIIB. Cronbach alpha values of all scale subdimensions are in acceptable limits (0.609-0.836). It has been seen that there is a powerful correlation between Karnofsky performance scale and all sub-dimensions of the scale, between ECOG performance scale and all sub-dimensions except for social/family well-being. Considerable majority of coefficients of correlation between its own subdimensions of FACT-L scale is up to the mark ( $r > 0.35$ ). Scale points in Stage IIIB cases differ pointedly in comparison with Stage IV cases, scores are determined as lower in IV. It is shown that Turkish version of FACT-L questionnaire are valid, reliable for lung cancer patients in Turkey, susceptible to objective disease scales and securely usable in clinics.