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## The application of Huaxi emotional-distress index in the investigation of emotional disorder in patients with lung cancer

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**Aim:** To identify the prevalence and related factors of emotional disorder of inpatients with lung cancer and to provide the basis for individual nursing, emotional intervention and management model.

**Method:** The cross-sectional study and convenience sampling method were applied to patients who are treated in the Thoracic Oncology Department of West China Hospital of Sichuan University in Chengdu from October 2017 to March 2018. The general information of the patients and Huaxi Emotional-distress Index (HEI) were included in the questionnaire to evaluate the states of emotional disorder.

**Result:** The survey investigated a total of 257 patients, including 187 male patients and 70 female patients. The prevalence of emotional disorder of patients was 27.2%. The HEI result of patients ranged between 0~20 with the average (4.35 4.71). Univariate analysis showed that the factors which are gender, marital status (spouse), pain could affect the HEI of patients ( $P<0.05$ ). Logistic regression analysis showed that the gender and the degree of pain was the main factor of emotional disorder.

**Conclusion:** Psychological status of patients with lung cancer is poor and emotional disorder is related to gender and pain. Timely management model should to use in order to evaluate and improve the level of emotion. And then the HEI is worth to apply in assessment of emotional disorder in patients with cancer.

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