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Title: Epidemiological changes of patients with lung cancer over Years

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Body: Aim of the study was to investigate the epidemiological changes of patients with lung cancer over the years. 721 lung cancer cases diagnosed between January 2000 and January 2013 years were included. The patients were categorized in three groups according to their diagnosis time as 2000-2005, 2006-2010, and 2011-2013. 79,2% of patients were male and mean age was 60,4±7,9 years. The percentage of squamous cell carcinoma (SCC), adenocarcinoma, other non small cell lung carcinoma (NSCLC), and small cell lung carcinoma (SCLC) were 35.4%, 26.7%, 8.4%, and 29.5% respectively. The percentage of stage IIIB and IV of NSCLC were 49,3% and 29,1 respectively. Between 2000-2005 years, 90,6% of patients were male and mean age was 69,7±11,9 years. The percentage of SCC, adenocarcinoma, other NSCLC, and SCLC were 45,7%, 6,9%, 17,2%, and 30,2% respectively. The percentage of stage IIIB and IV of NSCLC were 45,9% and 41,8% respectively. Between 2006-2010 years, 80,72% of patients were male and mean age was 61,8±5,4 years. The percentage of SCC, adenocarcinoma, other NSCLC, and SCLC were 37,3%, 23,5%, 9,7%, and 29,5% respectively. The percentage of stage IIIB and IV of NSCLC were 50,5% and 31,2% respectively. Between 2011-2013 years, 71,3% of patients were male and mean age was 54,1±10,8 years. The percentage of SCC, adenocarcinoma, other NSCLC, and SCLC were 26,2%, 39,4%, 6,9%, and 27,5% respectively. The percentage of stage IIIB and IV of NSCLC were 51,3% and 22,4% respectively. According to years, the mean age year of lung cancer diagnosis was decreased and the percentage of female and adenocarcinoma lung cancer were increased. Although the new and advanced diagnostic tools and methods most of the patients stage were advanced stage at the time of diagnosis.