

Issue of the passive smoking and its dependence to human health is broadly studied; especially its impact on the genesis of bronchogenic carcinoma. As we can see in the clinical characteristics, diagnostics and follow up therapy, the main troubles of lung cancer generally are diagnostics and surgical treatment of the early stages. Earlier stages of lung cancer are frequently asymptomatic. The potency for radical therapy is worse for the patients in the advanced stages.

Lung cancer is still one of the most extended cancer diseases in the world and also in Czech. Incidence of men lung cancer decreases in last years, but is still warningly high. Incidence of women lung cancer is growing up in Czech and in the world. Men and women mortality is still very high

Main risk factors for lung cancer are active and also passive smoking. More than 90 percent of the patients with that disease are active smokers. However, the role of passive smoking is broadly explored today. Relationship of the passive smoking and lung cancer is significant. Strength of this relationship is object of many studies today.

I try to find relationship between lung cancers and passive smoking by my own study too. I used to questionnaires filled by patients of FNB (The Faculty Hospital Na Bulovce). Odds ratio for passive-smokers/nonsmokers was non-significant in the confidence interval, same as results which was generated by generalized linear model. I tested intensity of passive smoking and relation to absence/presence of cancer in GLM. Reasons for the results which are opposite from the literacy source could be: small group of respondents, no treated influence of age and generally erroneous in answering on the questions.

There are many types of the histological types of lung cancer, relationship to smoking is various. Squamous cell carcinoma and small cell lung cancer are most frequent diagnose in group of active smokers, whereas nonsmokers are commonly affected by adenocarcinoma. Adenocarcinoma is the most frequent type of lung cancer in 38,1 % of the respondents.

Last years, we can see the tendencies of prohibiting or controlling of smoking in the public in the whole world. One of the results of those tendencies is enactment of The Framework Convention on Tobacco Control, where is one paragraph dedicated to the passive smoking.