

INCIDENCE OF SARCOIDOSIS IN SOUTHERN AND NORTHERN REGIONS OF UKRAINE IN 2011

**V. K. Gavrysyuk, E. A. Merenkova, O. V. Shadrina, E. A. Berenda,
A. I. Yachnik, V. V. Kuts, I. G. Ulchenko, S. I. Khvelos**

Abstract

We conducted a comparative survey of the incidence and prevalence of pulmonary sarcoidosis in Southern (Crimean AR) and Northern (Zhitomir oblast) regions of Ukraine by means of analysis of self-referred cases and the cases, revealed at prophylactic radiological examination in 2011.

The incidence of sarcoidosis in Crimea was 1.08 per 100 000 adult inhabitants; the prevalence was 4.59 per 100 000. In Zhitomir oblast the incidence value (2.62 per 100 000) exceeded an equivalent value in Crimea by 2.4 times. The prevalence (7.86 per 100 000) was also higher than in Crimea by 1.7 times.

Taking into account a significant impact of climate factor on sarcoidosis epidemiology, the incidence and prevalence of disease in Northern and Southern regions should be considered polar as for the oblasts of Ukraine. This makes sense to conclude that mean incidence of sarcoidosis in Ukraine ranges from 1.1 to 2.6 per 100 000 adult population, whereas the prevalence — from 4.6 to 7.9 per 100 000, which is equivalent to the level of Southern European countries. Assuming the adult population of Ukraine accounts about 38 million people it is easy to calculate that in average 700 new cases of sarcoidosis are registered annually. A total number of patients with active sarcoidosis is about 2500 thousand. The last figure reflects only the number of registered cases, i.e. the cases, revealed during self-referral of patients and cases, revealed at prophylactic radiological examination. The asymptomatic cases with spontaneous recovery remain out of medical sight.

Key words: epidemiology of sarcoidosis, incidence, influence of geographical factor.

Ukr. Pulmonol. J. 2013; 3: 41–45.

Volodymyr K. Gavrysiuk
National institute of phthisiology and pulmonology
named after F. G. Yanovskyi NAMS of Ukraine
Chief of clinical-functional department
Doctor of medicine, professor
10, M. Amosova str., 03680, Kyiv, Ukraine
Tel./fax: 38 044 270-35-59, gavrysyuk@inbox.u