

Respiratory infections

0076

Immigrants treated for tuberculosis in Mazovian Center of Treatment of Lung Disease and TB in Otwock

Jacek Jagodzinski¹

¹*Mazovian Center of Treatment of Lung Disease and TB in Otwock, , Warszawa, Poland*

Introduction: Migration of population contributes to the transmission of tuberculosis (TB), particularly multidrug-resistant tuberculosis (MDR-TB). In the countries of Western Europe, the immigrants' inflow contributes to the deterioration of the epidemiological situation. Majority of newly detected TB cases in some countries were affirmed among immigrant and foreign born population. In Poland, this problem has not been investigated up to 2005. The aim of the study was the assessment of the occurrence of tuberculosis in foreigners treated in the Mazovian Centre for Treatment of Lung Diseases and Tuberculosis in Otwock.

Material and methods: This work had a retrospective character. The number of cases of tuberculosis in foreigners admitted between 2002 and 2015 was calculated from the data base of the Mazovian Centre for Treatment of Lung Diseases and Tuberculosis. 372 patients whose basic demographic data, bacteriological status and the radiological changes suggested TB, were included in the study.

Results: The foreigners made up to 0.5-3,0 % all tuberculosis cases treated in Mazovian Centre for Treatment of Lung Diseases and Tuberculosis. The people came from almost forty countries. Nationals of the Russian Federation (big part of them coming from the Republic of Chechnya) formed the biggest group_ (25%), followed by the Vietnamese (17%) and the Ukrainians (15%). Most of all cases were young men (61%; average age - 37 years). Children made up to 15% of all cases. Tuberculosis of lungs was predominating, extrapulmonary locations was establish in 12,3% of cases. Bacteriological confirmation was achieved in 53% of cases, but up to 22.5% cases were resistant to one of the antituberculous medicines and 13,5% was multidrug-resistant.

Conclusions: Foreigners made up a small proportion among all the patients treated for tuberculosis in Mazovia. High proportion of multidrug-resistant tuberculosis reported in foreign-born cases is a concern.