Letter to Editor

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Incidence of Tuberculosis in Parsabad-e-Moghan during 2005-2011

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uberculosis is an important infectious disease in Iran and the word so that the World Health Organization has declared it as a public health emergency disease. Each year approximately 3 to 4 million TB positive sputum smear occurs and the same number for negative and extra-pulmonary tuberculosis has been occurring and approximately 2 to 3 million people disease due to tuberculosis [1]. Knowing the number, age distribution and the incidence of new case sineachregion will show the real image of the disease. According to the statistics on the high incidence and prevalence rate of tuberculosis in the region, it would be needed careful and thorough review of the actual incidence of the disease in order to be used by researchers and authorities.

The aim of this study is to investigate the incidence of pulmonary and extra pulmonary tuberculosis in Parsabad city during 7 years from 2005 to 2011. This is a cross-sectional study in which all monthly reported cases of pulmonary and extra pulmonary TB from Urban and rural health and treatment centers and laboratories institutes of governmental and social security hospitals were recorded during 2005-2011.

Finally, the data were analyzed using SPSS-16 software. Based on the results of this study, the total number of patients with smear positive pulmonary tuberculosis was obtained 122 persons in Parsabad during 2005-2011 and of which 39.34% and 60.65% was urban and rural, respectively. In addition 63 person (51.63%) and 59 person (48.36%) were males and females, respectively. The number of total TB patients were 232 person (44.83% urban and 55.17% rural), of which 117 person were male (50.43%) and 115 person were females (49.56%).Generally, the highest rate of TB incidence (3.44 per hundred thousand person) were in the year 2007and the lowest rate of that (2.89% per hundred thousand person) were in 2011. The mean age of patients with smear positive

tuberculosis, new pulmonary smear negative pulmonary tuberculosis, new unspecified TB and Extra pulmonary TB were 31,40, 37 and 32 years old, respectively. Considering that these age groups includeing working- age, TB disease can stop working for some people, and ultimately causelossesto the economy of the community. Extra pulmonary coincide with tuberculosis may pulmonary tuberculosis or can developseveral years after primary infection of TB.

The incidence of extra pulmonary tuberculosisis less than pulmonary tuberculosis and it is one third of tuberculosis cases. TB might effect on different organs and tissues, such aslymph node, pleura, pericardium, kidneys, bones, joints, throat, ear, skin, intestine, peritoneum lining and the eyes. In this study, the most common form of pulmonary tuberculosis was pleural effusion (40%) and lymphadenitis tuberculosis (31.2%). A number of studies have examined the most common area of lymph node involvement [2]. In the study of Dr. Khodabakhshi, the most commonly involved site is the pleura [3], which is in accordance with the presentstudy.

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