

Kashansky - Abstract

Russia is the world's largest producer and consumer of chrysotile asbestos.

Epidemiological studies in Russia are scant, and this report will serve as an epidemiological update. The Sverdlovsk province, which is the most industrialised region of the Russian Federation, holds the world's largest Bazhenovskoye chrysotile asbestos deposit. Amphiboles asbestos deposits are also present, but their development is at present time is stopped.

In this region, from 1981 till 2005, are registered 125 mesotheliomas (116 pleural, 7 peritoneal and 2 pericardium mesotheliomas. This includes 112 patients with malignant (including all extrapleural) and 13 with benign mesotheliomas. In the 112 malignant mesotheliomas, histologic types were as follows : epithelioid (59.7 %); sarcomatoid (11.2 %); biphasic (8.2 %). Distribution according to sex was 53.6% in man and 46.% in women. Ages at diagnostic was from 12 to 79 (mean, 55.9).

Average life expectancy after malignant mesotheliomas diagnostics was 7.1 months.

Mesotheliomas are diagnosed in 32 from 66 municipal locations of Sverdlovsk province. The mesothelioma mortality varied from 0.2 before 27.1 cases per million (mean, 1.1).

In areas of asbestos industrial facilities, the mesothelioma incidence varied from 4.3 cases per million (chrysotile asbestos), to 27.1 (crocidolite asbestos). In the Sysert area (Anthrophyllite-asbestos province of Urals), the incidence was 7.1 cases per million. Mesothelioma-related mortality in Asbestos City excluding occupational exposure was 1.4 cases per million. In Sukhoy Log City and Beloyarskiy village where the enterprises of asbestos cement and cardboard production are located, there is no excess mesothelioma incidence.

In Sverdlovsk province, there is a trend in reduction of mesothelioma incidence.

This report will include figures and diagrams showing prevalence of mesotheliomas in various territories Russia and Sverdlovsk province according to differences in the use of asbestos fiber types and manufacture of asbestos applications..