

not one search here for the solution of the first stages of the process which was completed by the carcinogenase? If during the action of quartz dust the death of macrophages is almost universally recognized, then during the action of asbestos their damage takes place, giving rise to an initially atypical and then a malignant increase.

L. S. Salyamon assumes that the carcinogenic agents lower the ability to react to the subsequent damaging action. In connection with this atypical slow interstitial inflammation develops; against the background of such an inflammation, growths can develop.

It is not possible to exclude the fact that in connection with its adsorptive properties, on the dust the concentration of some metabolites - endogenic carcinogens - is increased. Such metabolites can be substances of the type of steroids either of derivatives of tryptophane (Boyland, 1960) or the blastomogenic metabolites contained in urine (A. Kh. Kogan, 1965).

Finally, the adsorptive properties of asbestos can condition the sorption of exogenous carcinogens.

The works of Harington et al. (1964) showed that ores and rocks of South-African deposits of asbestos contain 3.4 - benzopyrine and pitch. Chrysotile-asbestos actively sorbs carcinogens on its surface.

Moreover, the works of L. M. Shabad, L. N. Pylev, T. S. Kolesnichenko (1964) show that without a substance capable of sorbing and holding in the organism for a prolonged period the carcinogenic substance (e.g., benzopyrine), the latter are quickly removed and render no carcinogenic action.