

The existence of a basic correlation between asbestos dust deposit as consequence of an occupationally contracted disease and the formation of primary protective cell tumors of the peritoneum resulting from a chronic, mechanical-inflammatory irritation of the peritoneum by asbestos fibres penetrating from the pleural cavity -- has been amply demonstrated by the histological structure of the matty-papillose and the nodular formations seen in some portions of tumors, by ferrous pigment deposits, but particularly by x-ray findings of asbestos dust in tumor tissue.

Summary

The above history is that of an asbestos worker and his 26 years of exposure to dust resulting in the formation of a primary, partly matted-papillose protective cell tumor of the peritoneum and intermediate asbestosis of the lungs. The patient died of tubercular leptomeningitis, carries tuberculosa of the lumbar vertebra and extensive tubercular scarring of the lungs. Based on the histological structure of the tumor with its ferrous dust deposits, and the x-ray findings of asbestos dust in tumor tissue a correlation between both maladies was assumed. Tumor formation was seen as the result of overactive regeneration processes in the serosa due to chronic irritation by foreign bodies according to the theories advanced by Ribbert and Fischer-Wasels.

Literature

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