

AN OCCUPATIONAL DISEASE OF LUNG CARCINOMA AND METASTATIC BRAIN TUMOR CAUSED BY CROCIDOLITE ASBESTOS EXPOSURE

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Recently a worker who had lung carcinoma and metastatic brain tumor has been approved as work related disease. The worker had been worked in a textile manufacturing company for 6 years from 1983. An epidemiological study of the workplace indicated that the worker had been involved in repairing the spinning and weaving machine. Especially the worker had changed B-bush which had been used for protecting abrasion of gear in a spinning and weaving machine. Analysis of the B-bush by transmission electron microscope equipped with energy dispersive X-ray analyzer indicated that the bush was made of mainly crocidolite asbestos fiber. The study indicated that the worker probably exposed to the crocidolite fiber during drilling of the B-bush to repair the spinning and weaving machine. This case is the first clue to unidentified cause of mesothelioma or lung carcinoma found among workers in textile manufacturing company in elsewhere.

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