

PL-2-08 Yuji Natori (Abstract only)

Malignant Pleural Mesothelioma due to Working at a Stationery Store where Sprayed Asbestos had been Used

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Abstract

A 70 year old male, was admitted to the hospital due to rt. pleural effusion (hyaluronic acid: 596 mg/L) in 2002. A pathology specimen obtained by thoracoscopy showed malignant mesothelioma, epithelial type (calretinin(+), AE1/AE3(+), EMA(+), CEA(-), BerEP4(-)). He was born in a rural area near Osaka city and had no family nor environmental asbestos exposure. He had worked as a farmer from 1949 to 1951, as a weaver at a wire netting company from 1951 to 1966, as a waiter at a coffee shop from 1966 to 1969, and as a manager of a stationery store from 1969 to 2002. He had no direct occupational asbestos exposure. There is sprayed asbestos (crocidolite) on the walls of the 2nd floor of the stationery store which is used as a warehouse. His duties took him to the 2nd floor to deliver and take out and arrange goods for 1 hour every day and to clean the floor once a month. Measurements of airborne asbestos revealed: 1.02-4.2 f/L (2nd floor undisturbed), 14.0 f/L (delivery of goods), 136.5 f/L (cleaning), 0.34-1.13 f/L (1st floor), ND (atmosphere outside the store). Minimum Limit of Determination is 0.15-0.4 f/L. His malignant mesothelioma was due to working at the stationary store, where sprayed asbestos was present.



Stationery Store in a shopping arcade under an elevated railroad



Stationery Store 2nd Floor. Sprayed blue asbestos is on the wall.