

TABLE 2.—Mode of Exposure and Carcinoma

Mode of Exposure	No. of Cases (52)	No. With Tumor (10)
Fabricators	33	0
Process workers	9	3
Miners	6	1

available. Sections and eosin and with diagnosis had been exposure, gross ap- if diffuse interstitial stosis fibers and/or

Is of the ten cases exception all were a maximum num- tails of exposure carcinoma cases: six workers, and one lows the exposure ie total series: 33 workers, and six the distribution of . Fabricators in- spinners, and in- workers are those g asbestos fibers on of exposure of exception, was 12 al series the range 5 with less and 17 exposure.

showed various , three; anaplastic, two; alveolar cell thelioma of pleura, ible sites of origin,

Age, Sex, Exposure, Histology

Age	Histology
•	Anaplastic
•	Adenocarcinoma
•	Squamous
•	Endothelioma pleura
•	Adenocarcinoma
•	Squamous
•	Anaplastic
•	Alveolar cell
•	Squamous
•	Anaplastic

from main bronchi, distal air passages, to the pleura. The following cases have been previously published: case 3, Clinico-Pathological Conference, Massachusetts General Hospital, 1947; case 2, Isselbacher et al, 1953; and case 8, Jones Williams, 1957. In the present series, particular attention was focused on the bronchial epithelium. Five cases showed well-marked squamous metaplasia of main bronchi; three of these were associated with carcinoma but only one was squamous, and the other two were adenocarcinoma. Four of the five showed well-marked bronchiectasis. I have previously discussed and illustrated (1957) changes in the peripheral alveolar epithelium in this series.

In ten of the 52 cases there was concomitant tuberculosis (19.2%), all without carcinoma. With two exceptions, both having subapical cavitation, all showed extensive tuberculous bronchopneumonia which was the cause of death. In the majority, tuberculosis developed a considerable time after the diagnosis of asbestosis. Histologically, there appeared to be no modification of the tuberculous reaction by the underlying dust fibrosis.

Two of the ten had silicosis to a minor degree. One was an asbestos miner and the other was exposed to silica flour in the manufacture of asbestos pipes. In the total series there were four others with silicosis, a total of six of 52 (11%).

Conclusion

This report records 52 American cases of asbestosis among whom there were ten patients with malignant tumors, an incidence similar to that reported in Britain.

Many American pathologists permitted access to their material and records.

W. Jones Williams, MD, Institute of Pathology, Welsh National School of Medicine, Cardiff, Wales.

W. Jones Williams

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