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Case Reports

ASBESTOSIS ASSOCIATED WITH BRONCHOGENIC CARCINOMA

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HOLLEB and Angrist¹ in 1942 reported two cases of bronchogenic carcinoma in association with pulmonary asbestosis. The first case of carcinoma of the lung in association with pulmonary asbestosis was reported in 1935 by Lynch and Smith.² In that year Gloyne reported two cases and in 1936 another.³ Egbert and Geiger⁴ reported one case in 1936. Nordmann⁵ presented two cases in 1938. One year later Lynch and Smith⁶ added another. Of these, six were of squamous-cell carcinoma, one of squamous-cell carcinoma with glandular features, two of oat-cell carcinoma, one of glandular carcinoma, and another of squamous-cell non-keratinizing carcinoma. The age of the patients ranged from 35 to 71 years, and the duration of exposure, from 19 months to 25 years. All but two had metastases. Freedom from exposure before death varied from four months to 15 years. We have found four additional cases not mentioned in the report by Holleb and Angrist.¹ Two cases reported by Koelsch⁷ in 1940 were in an oral communication, and no details are known. Two more cases were reported by Linzbach and Wedler⁸ in 1941, one of which was of a squamous-cell carcinoma in a man 61 years old, exposed for at least three years to asbestos; of the other, no details were known.

In 1941 also Desmeules⁹ added two more cases to the literature, one of a man 57 years old in whom alveolar-cell carcinoma was found and who had been exposed

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1. Holleb, H., and Angrist, A.: Bronchiogenic Carcinoma in Association with Pulmonary Asbestosis: Report of 2 Cases, *Am. J. Path.* 18:123-135, 1942.

2. Lynch, K. M., and Smith, W. A.: Pulmonary Asbestosis: III. Carcinoma of Lung in Asbesto-Silicosis, *Am. J. Cancer* 24:56-64, 1935.

3. Gloyne, S. R.: Two Cases of Squamous Carcinoma of the Lung Occurring in Asbestosis, *Tubercle* 17:5-10, 1935; Case of Oat Cell Carcinoma of Lung Occurring in Asbestosis, *ibid.* 18:100-101, 1936.

4. Egbert, D. S., and Geiger, A. J.: Pulmonary Asbestosis and Carcinoma: Report of a Case with Necropsy Findings, *Am. Rev. Tuberc.* 34:143-150, 1936.

5. Nordmann, M.: Der Berufskrebs der Asbestarbeiter, *Zschr. Krebsforsch.* 47:283-302, 1938.

6. Lynch, K. M., and Smith, W. A.: Pulmonary Asbestosis: V. A Report of Bronchial Carcinoma and Epithelial Metaplasia, *Am. J. Cancer* 36:567-573, 1939.

7. Koelsch, Lungenkrebs und Horuf, abstracted in *Zentralbl. Gewerbehyg.* 27:32-33, 1940.

8. Linzbach, A. J., and Wedler, H. W.: Beitrag zum Berufskrebs der Asbestarbeiter, *Arch. path. Anat.* 307:387-409, 1941.

9. Desmeules, R., Rousseau, L., Giroux, M., and Sirois, A.: Amiantose et cancers pulmonaires, *Laval med.* 6:97-108, 1941.