

Microscopic examination exhibited no alteration sufficient to explain the death. There was only found an inequality in the distribution of the blood, only hyperæmia of some and anæmia of other organs; the heart, liver, and larger vessels contained much black blood, possessing all the characteristics of venous blood. All the other alterations were insignificant.

The pathological disturbances caused by caffein are of different kinds; but the most important occur in the nervous system. It destroys by exhaustion of nervous power, and seems to act especially upon the heart and the parietes of the vessels.—*Archiv für pathologische Anatomie und Physiologie.*
L. H. S.

The action and uses of digitaline.—MM. Homolle and Quevenne have stated, as the result of their experience, that, in doses of one seventy-fifth of a grain, given three times a day, this substance acts as a diuretic in general dropsy, and with great speed and efficacy in reducing the effusion; and that it is not rendered more certain by any material increase of the dose. They further found that, in about double this dose, and sometimes in the same dose, it reduces greatly the frequency of the heart's action; and that the dose cannot reach the one-twelfth of a grain without producing nausea and symptoms of incipient poisoning. Dr. Christison, in the *Monthly Journal of Medical Science*, January, 1855, gives us the results of his experience of its use. He believes it to be an energetic diuretic and sedative. His first two trials of it were made in cases of extensive renal anasarca. In one case, diuresis commenced towards the close of the second day, and in the other a day later; in both the flow was profuse, and the œdema entirely disappeared. He commends strongly the use of such diuretics as digitalis, squill, and bitartrate of potash, in renal dropsy. He has not found them, except in one instance, increase the albumen in the urine; and believes they have been shunned on grounds purely theoretical and baseless. It is the same with digitaline. In the first of the two patients, the albumen quickly and greatly diminished; in both it disappeared at last, but in one, after some days, reappeared, but in diminished proportion. In one instance, great depression of the heart's action was brought on, instead of a flow of urine. He thinks it very likely that diuretic and sedative actions do not concur. He gave it in the doses recommended by Homolle and Quevenne.—*Association Med. Journal*, June 15, 1855, p. 565.