

March 21st.—The absorptive power of the stomach has been tested, and shows the presence of iodine in the saliva within fourteen minutes after the patient had swallowed a solution of iodide of potash.

The patient's ejection from the stomach has of late shown some alteration in colour, reddish masses, consisting of finely granular matter, held together by sticky mucus, appearing here and there, elevated above the surface of the grayish, muddy mass. The treatment by irrigation of the stomach is continued. The dietary is composed of crumbed toast in gruel.

Microscopical examination of the Ejecta.—(1) The muddy material was mounted, and presented starch-granules and fat-globules in perfect form; in addition, there appear iodine-stains in various quadrangular shapes and deep blue in colour. They have been produced by the action of the acid gastric juice and starchy contents of the stomach upon the iodide of potash given the evening previous to the microscopical examination. (2) The reddish matter was mounted, and presented old-gold-coloured patches that simulated thick layers of red blood-corpuscles much compressed, and isolated masses of blackish and reddish pigment. Both mountings contained pear-shaped, triangular, and quadrangular cells, and numerous rod-shaped bacilli.

The presence in the stomachal contents of unbroken starch-granules indicates, of itself, loss of digestive power, whether brought about by vitiated gastric juice or by obliteration of the peptic glands—(*Mills*, "Animal Physiology," page 311, art., Starch).

March 24th.—Physical signs relating to the epigastric region, the patient being free from tympanitic distension of the abdomen: The epigastric region is the seat of a tumour, which begins $2\frac{1}{2}$ inches below the xiphoid appendix and extends to a point within a quarter of an inch of the upper border of the navel. The measurements of the tumour are the following: transverse, $3\frac{3}{8}$ inches; vertical, $2\frac{7}{8}$ inches. Pulsation of the abdominal aorta elevates, but does not expand the tumour, and deep inspiration produces depression to the extent of three-eighths of an inch. On deep inspiration the percussion-note is tympanitic; on deep expiration