

stage when it is not sufficiently effective. The pyloric stricture appears to be too narrow to allow the passage of sufficient food, and it has also become too difficult to empty the stomach by the tube. I, therefore, advised that the strictured pylorus be made freely patent or removed, or that a gastro-enterostomy be done, so as to give free egress for the food from the stomach into the bowel.

Posterior gastro-enterostomy was performed by my late lamented colleague, Dr. L. M. Sweetnam, as the pyloric mass appeared too dense to render any operation on it advisable. Recovery was uninterrupted and complete. It is now five months since the operation was done. Mr. C. has gained twenty pounds in weight and has been actively engaged in his ministerial duties. He takes full diet, and is not conscious of any digestive discomfort. However, on making an examination four hours after a light breakfast of cereals, bread and butter, sixteen ounces was removed from the stomach by the tube. The liquid obtained separated in a short time into three layers, an upper frothy layer, a middle one of thin liquid and a lower one consisting of the undigested food. From the lower layer small bubbles of gas could be seen constantly rising to the upper frothy layer, showing active fermentation. The acidity of the liquid was very high, being 95, and the free hydrochloric acid, 53.

The pyloric tumor has disappeared, although there is possibly slight thickening still to be felt in the situation it occupied. The size and position of the stomach have not altered.

The outlook is not as encouraging as could be wished. The pyloric tumor has disappeared, and the orifice is probably free again, but the quantity and character of the contents render it certain that there is decided dilatation of the stomach, and that the food does not escape freely through either the pylorus or the artificial opening. The latter is probably obstructed by cicatricial contraction, or the bowel may be kinked at the seat of attachment to the stomach. However, if a kink exists there would probably be a regurgitation of bile into the stomach, establishing a "vicious circle," and vomiting of bile as well as food would result. He has been advised to wash the stomach out once or twice a week; to take food of small bulk to lessen the weight on the stomach, and chiefly nitrogenous on account of the excess of hydrochloric acid; and to massage the abdomen daily.

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