

239. RESULTS OF LACTOSE LOAD TEST AND ADMINISTRATION OF LACTASE IN PATIENTS AFTER GASTRECTOMY

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At the 10th Autumn Meeting of the Japanese Society of Gastroenterology, we reported the results of lactose load test with 100 cases and the results of administration of lactase to cases which were presumed to be lactase deficiency. Further, carrying out the same experiment in 17 patients after gastrectomy, we obtained the following results.

1. Out of 17 cases, there were 3 cases having diarrhea by milk after gastrectomy.
2. All of 17 cases were presumed to be lactase deficiency from the results of lactose load test.
3. Fourteen out of 17 cases had diarrhea and abdominal distention after lactose load.
4. Out of 17 cases, there were 3 cases showing a rise of blood sugar value, over 24 mg/dl, when 5 g of lactase were given at the same time with lactose load.
5. Six out of 17 cases had not diarrhea and abdominal distention even after the above treatment.

We are planning to continuously carry on the experiment by the use of lactase.

240. THE FINE STRUCTURE OF THE PARIETAL CELLS IN CHRONIC GASTRITIS.

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The final structure of the parietal cells in the gastric glands of the chronic gastritis was examined after the administration with Histalog 1.5 mg/kg.

The result was as follows.

- 1) With the atrophy of gastric glands and the infiltration of the cells in the lamina propria, gastric acid secretion was decreased and development of the intracellular canaliculus and expansibility of the mitochondria inhibited. Therefore, the infiltration of the cells in the lamina propria made dysfunction of the parietal cells.
- 2) In the fine structure of the parietal cells, specific differences between the atrophy of the gastric glands and infiltration of the cells in the lamina propria was not recognized. It was supposed that fine structure of the parietal cell in superficial gastritis was pre-state of the atrophy of the parietal cell. But further, experimental analysis is needed to establish this possibility.

241. PROTECTION OF GENITAL GONADS X-RAY: EXPOSURE ON SCHOOL-CHILDREN BY FLUOROSCOPIC EXAMINATION OF STOMACH

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Introduction

When examining gastric disorders of both sexes in growing age, protein of the genital gonads