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Tracking semisolid nutrition through a gastrostomy tube with contrast X-rays

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Background: We examined the safety of semisolid nutrition by tracking its flow using contrast X-rays.

Method: A bolus of semisolid nutrition containing contrast medium was administered to examine the residual quantity in the stomach over time. A gastrointestinal prokinetic drug was administered when the retention of the contrast medium in the stomach was observed. This study was performed from June 2011 through the end of June 2015.

Results: A gastrointestinal prokinetic drug was administered to 9 patients with the contrast medium remaining in the stomach. The results showed use of the drug to significantly reduce the contrast area in the stomach at 6 hours after administration.

Conclusions: Our results confirmed the necessity of tracking a semisolid nutrient bolus containing contrast medium, employing contrast X-rays with a gastrointestinal prokinetic drug, to examine its usefulness.

Biography

Eiji Meguro graduated from Iwate Medical University School of Medicine in 1989 and completed his graduation in 1993. His Specialty is surgery and major is gastroenterological surgery, nutrition management and clinical examination.

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