

EXAMINATION OF GASTRIC ELIMINATION FUNCTION WITH RI
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We performed the following basic examination employing RI to observe abdominal gastric elimination function under natural conditions (Conventional methods using Barium or Pigments are unnatural). Some compounds labelled with ^{99m}Tc were used, ^{99m}Tc -DTPA, ^{99m}Tc -MDP and ^{99m}Tc -sulfurcolloid. We measured these labelling rates and transferring rates in the blood. We had patients eaten bread containing ^{99m}Tc compound and gave them 200 ml of fruit juice. Scanning was performed on the patients stomachs adhering closely to a r-camera in a sitting position. The data was collected for 800 minutes, and the image and the dilution curve was drawn, then we calculated $T_{\frac{1}{2}}$ from this dilution curve. We obtained sufficient labelling rates such as 95-99%. The transferring rate in the blood was 0.03% $T_{\frac{1}{2}}$ of a normal stomach was 58 ± 5 minutes on the average.