



## Studies in patients with niddm by gastric emptying time and electrogastrogram

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### Abstract

**AIM:** To investigate the gastric emptying and Electrogastrogram (EGG) in non insulin dependent diabetes mellitus (NIDDM) patients.

**METHODS:** Forty eight patients with NIDDM were studied by gastric emptying time (GET) and EGG. Among them, 23 patients with uncontrolled blood glucose levels underwent both GET and EGG examinations, while 26 patients with controlled blood glucose levels

were tested by EGG only. 20 normal subjects were selected as controls.

**RESULTS:** The emptying curve and T50 for liquid in NIDDM were similar to those in controls. However, T50 of solid in NIDDM was significantly longer than that in controls. AR and DR in two NIDDM groups were significantly higher than controls. But no significant difference were found between two NIDDM groups. There was poor correlation between GET and EGG.

**CONCLUSION:** Uncontrolled NIDDM had both delayed GET and abnormal pattern of EGG, blood glucose levels was not an important factor to arrhythmia. We can't predict a delayed GET by an abnormal EGG.

**Key words:** Diabetes mellitus; Electrogastrogram; Gastric emptying

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