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DOI: DIGITAL OBJECT IDENTIFIER

What is a DOI?

The new APA citation style manual now requires a **Digital Object Identifier (DOI)**. A DOI is an unique identifier that provides a persistent link to an online article. The DOI is assigned by a scholarly publisher and is always associated with the article unlike the URL which can change.

Example:

Bowling, A. C. (2011). Complementary and alternative medicine and multiple sclerosis. *Neurologic Clinics, 29*(2), 465-480. doi:10.1016/j.ncl.2010.12.006 What does a DOI look like?

The DOI is made up of two parts – a prefix and suffix



Where can you find DOIs?

There are several ways to find an article's DOI:

•Some online databases such as PsycINFO or MEDLINE will supply DOIs within the citations (if available).

•If a journal publisher uses DOIs, they will usually print the DOI on the first page of the article.

Online Databases



Online Articles

82 ORIGINAL CONTRIBUTIONS

the first

article

Risk of Gastroparesis in Subjects With Type 1 and 2 **Diabetes in the General Population**

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FUNCTIONAL

OBJECTIVES:

METHODS:

Usually on In patients with diabetes mellitus (DM) and upper gastrointestinal symptoms, a diagnosis o diabetic gastroparesis is often considered, but population-based data on the epidemiology (gastroparesis are lacking. We aimed to estimate the frequency of and risk factors for gastro among community subjects with DM. In this population-based, historical cohort study, the medical records linkage system of the Rochester Epidemiology Project was used to identify 227 Olmsted County, MN residents wi 1 DM in 1995, a random sample of 360 residents with type 2 DM, and an age- and sex-str page of the random sample of 639 nondiabetic residents. Using defined diagnostic criteria, we estimate

RESULTS: The cumulative proportions developing gastroparesis over a 10-year to DM, 1.0% in type 2 DM, and 0.2% in controls. The age- and gg gastroparesis (relative to controls) was 33 (95% confidence 7.5 (95% CI: 0.8, 68) in type 2 DM. The risk of gast than in type 2 DM (HR: 4.4 (1.1, 17)). Hearthy ..., 25)) at baseline was associated with diabetic gastroparesis in type 1 DM.

CONCLUSIONS: Gastroparesis is relatively unco patients with DM, although an increased risk for gastro-

subsequent risk of developing gastroparesis in each group through 2006. The risk is with frequency-matched community controls, was assessed by Cox proportional

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sis was observed in type

INTRODUCTION

Gastroparesis is a clinical syndrome characterized by delayed gastric emptying in the absence of mechanical obstruction of the stomach (1). Symptoms of gastroparesis are variable but may include early satiety, nausea, vomiting, bloating, and upper abdominal pain. In several studies based on patients seen at tertiary centers, diabetes mellitus (DM) accounted for almost one-third of gastroparesis cases (2-4). Diabetic gastroparesis can result in nutritional compromise, impaired glucose control, and a poorer quality of life, independent of other factors such as age, tobacco and alcohol use, or type of diabetes (4-6).

The epidemiology of diabetic gastroparesis is largely unknown. The prevalence of gastroparesis is difficult to estimate because of the poor correlation of symptoms with gastric emptying (3,7).

Cross-sectional studies (8-10), in most cases using radionuclide techniques to measure gastric emptying, have established that gastric emptying of a solid or nutrient liquid meal is abnormally slow in up to 30-50% of outpatients with long-standing type 1 or type 2 DM. However, these studies were all undertaken in referral centers and almost certainly overestimate the prevalence of the condition because of referral and selection bias (8-10). The incidence (new onset) of diabetic gastroparesis in the general population has not to our knowledge been reported.

(4) in type NM was significantly

In considering the mechanisms responsible for abnormal gastric motor function in DM, two major factors have been suggested, namely, autonomic neuropathy and sustained hyperglycemia (11-15). Traditionally, gastrointestinal (GI) symptoms in diabetic patients have been attributed to disordered motor function as a

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The American Journal of GASTROENTEROLOGY

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Some articles do not have a DOI. The DOI system is fairly new, so articles published prior to 2000 are less likely to have a DOI.

If the DOI is unavailable, two alternatives are acceptable: •Give the exact URL of the article (if it is open access). •Give the URL of the journal publisher's home page (if it is from a licensed database).



For more information about DOIs, please see page 188 in the APA Publication Manual (6th edition).

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