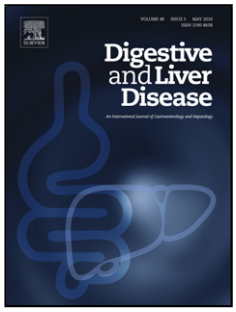

Title: The Impact of Acid Suppression Medications and Non-steroidal Anti-Inflammatory Drugs on Clinical and Histologic Features in Celiac Disease

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The Impact of Acid Suppression Medications and Non-steroidal Anti-Inflammatory Drugs on Clinical and Histologic Features in Celiac Disease

Running title: Celiac Disease and Gastric Medications

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ABSTRACT

Introduction: The prevalence of celiac disease (CD) in the US has increased in past decades, as has use of proton pump inhibitors (PPIs), histamine-2-receptor antagonists (H2RAs), aspirin (ASA) and nonsteroidal anti-inflammatory drugs (NSAIDs). We aimed to measure the association between medication use and distribution of villous flattening (VF) among newly diagnosed CD patients.

Methods: We performed a cross-sectional study of adult patients with newly-diagnosed CD at two institutions. We collected data on regular use of these medications, clinical presentation, CD serologic status, and distribution of VF. We compared current ASA/NSAID users to non-users, and current PPI/H2RA users to non-users, with regard to these clinical characteristics.