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ABSTRACT

Title: Efficacy Assessment of Medication Therapies Used to Treat Pediatric Eosinophilic Esophagitis

Background: Eosinophilic esophagitis (EoE) is a chronic inflammatory disease of the esophagus that primarily involves children and adolescents and is believed to be related to food allergies. Symptoms of EoE include abdominal pain, dysphagia, and feeding difficulties. Endoscopic findings and histology noting 15 or more eosinophils per high power field (eos/hpf) are typically needed to make the diagnosis. In addition to food allergy testing and/or elimination diets, several drug therapies are used to treat EoE. Proton Pump Inhibitors (PPI) are often initially tried, followed by glucocorticoids in the forms of metered dose inhaler fluticasone propionate (FP) and oral viscous budesonide (OVB). Previous studies have examined the real world effects patient response to the medications

Objective: To examine the efficacy patient response to PPI alone, FP + PPI, and OVB + PPI after at least one month of treatment.