

Chronic Diarrhea: A Rare Presentation of Eosinophilic Granulomatosis with Polyangiitis ¹K. Tavakolian MD, ²J. Gennett, ¹N. Udongwo MD, ¹V. Pannu MD, ¹S. Shah MD, ¹M. Elsawaf MD



¹Hackensack Meridian Jersey Shore University Medical Center, Neptune, NJ; ²Saint Georges University, School Of Medicine DISCUSSION

Diarrhea is a common occurrence with a

significant healthcare burden, responsible for

nearly 1 million emergency department (ED)

INTRODUCTION

CASE PRESENTATION A 60-year-old man with a history of asthma and nasal polyps presented to the ED with nonbloody diarrhea starting 5 weeks prior. Associated symptoms included a dry cough. Of note, the patient was prescribed autoimmune testing for antineutrophil cytoplasmic antibody (ANCA) panel. However, the patient had profound eosinophilia. A computed tomography scan of the chest and abdomen revealed scattered ground-glass opacities in bilateral lungs and a moderate amount of fluid throughout the colon. Upper and lower endoscopy with biopsy demonstrated chronic inflammation with marked eosinophilia in lamina propria of the gastroesophageal junction, gastric antrum, and duodenum. Nasal polyp biopsy results were obtained and consistent with

vasculitis. The patient was diagnosed with chronic diarrhea secondary to montelukast

discontinued and his symptoms resolved

induced EGPA. Montelukast was

with corticosteroids.

EGPA is the rarest ANCA-associated vasculitis and affects small to medium-size vessels. It is characterized by eosinophilic granulomatous inflammation and an association with asthma and eosinophilia. Typical organs involved

disease course is common.

visits per year. Chronic diarrhea affects up to montelukast for asthma roughly one year 5% of adults and is defined by greater than prior to admission. Vital signs on include peripheral nerves, paranasal sinuses, four weeks of symptoms. In presentation were normal and physical and lungs. Gastrointestinal manifestations are resource-abundant countries, the most exam was unremarkable. A complete rare, and some studies have shown increased common etiologies include irritable bowel infectious workup was negative including mortality in these patients. Numerous case syndrome, inflammatory bowel disease, reports have shown an association with

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> controversial, and some studies have shown rituximab and mepolizumab to be effective in treating ANCA-positive and ANCA-negative EGPA, respectively. Correspondent Author:

montelukast and the development of EGPA.

majority of patients, however, a relapsing

Glucocorticoid therapy leads to remission in a

Immunosuppressant maintenance therapy is

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malabsorption syndromes, chronic infections, and drug-induced. We describe a case of chronic diarrhea with an unusual etiology, eosinophilic granulomatosis with polyangiitis (EGPA).