



## Importance of Multiple Stool Specimens Evaluation by Enzyme Immunoassay in Chronic Giardiasis

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### Abstract

of celiac disease are seen in giardia infection. Here, we present a patient with polyclonal hypergammaglobulinemia, dermatitis herpetiformis, celiac disease and chronic giardiasis. The patient is a 51-year-old man, who was incidentally found to have a high serum total protein and low albumin levels. The protein electrophoresis showed polyclonal hypergammaglobulinemia and beta gamma bridging. With an elevated erythrocyte sedimentation rate the patient's stool was evaluated and was positive for *Giardia lamblia* cysts. The patient failed to respond to the ten-month treatment of Metronidazole, Tinidazole, and Nitazoxanide; and developed a pruritic and blistering maculopapular rash that was diagnosed as dermatitis herpetiformis. Also he was diagnosed with celiac disease with an elevated IgA anti-transglutaminase antibody (56.7 units/mL) and was responsive to gluten-free diet.

Then patient was lost to follow-up for 5 months, and later presented with abdominal pain. The patient underwent

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Giardia lamblia

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