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Background

describe a unique case We where oral immunoglobulin (IG) was used as treatment for infection Norovirus in chronic immunocompromised individual.

Case Presentation

A 75 year-old female with cadaveric renal transplant 10 years prior (on immunosuppression) presented with acute right flank pain, worsening fatigue and unintentional weight loss of 80 lbs for over a year. She was tachycardic and hypotensive with a non-tender right lower quadrant renal transplant.

Laboratories showed a bicarbonate of 12 mEq/L, blood urea nitrogen of 35 mg/dL, creatinine of 2.4 mg/dL (baseline creatinine 0.9) and white blood cell count of 4.4 K/mcL. Urine studies showed 3+ protein. Tacrolimus level was appropriate.

A renal ultrasound was nonspecific, revealing mildly elevated resistive indices measuring between 0.8-0.9 suggestive of transplant dysfunction. Serology for Epstein-Barr virus and Cytomegalovirus was negative. Renal biopsy was obtained and was not consistent with rejection.

Over the past year, she had painless intermittent diarrhea often requiring hospitalization. A positive stool viral PCR for Norovirus from 6 months ago was discovered on hospital records. On current admission, stool pathogens were negative except for Norovirus.

She was treated with oral IG with a decrease in diarrhea. Her creatinine improved to 1.3.

Chronic Norovirus Infection in a Renal Transplant Recipient Resembling Allograft Rejection







prolonged

IG provided symptomatic relief,

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