

Acute Kidney Injury Requiring Dialysis Due to Gimbab Induced Infectious Colitis: A Case Report

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Acute infective colitis is an important cause of acute kidney injury (AKI). We describe a case of colitis induced AKI require renal replacement therapy (RRT). The patient presented with AKI after one day of ingestion and required hemodialysis. A 54-year-old male with no past medical history presented with four days of severe diarrhea after ingestion of gimbab. He ingested gimbab, which is a Korean dish made from cooked rice and ingredients such as vegetables rolled in dried gim one day before developing symptoms. He took gimbab with other family members. His wife and son also suffered from diarrhea after ingestion of gimbab and improved in a few days. The patient had diarrhea more than 30 times a day and his had about 8kg of weight loss in 5 days. He also had anuria. At the time of admission, the patient was conscious. His blood pressure was 107/73mmHg, pulse was 80/min, and body temperature was 36.8°C. Initial laboratory data revealed a white blood cell count of 6,530 cells/ μ L (neutrophil 74.8%, lymphocyte 12.7%, monocyte 9.5%), a hemoglobin level of 17.3 g/dL, a platelet count of 207,000 cells/ μ L, a serum total protein concentration of 9.4 g/dL, an albumin concentration of 5.4 g/dL, a blood urea nitrogen level of 54 mg/dL, a serum creatinine level of 8.69 mg/dL, and a C-reactive protein (CRP) level of 32.09 mg/dL. His urinalysis report showed proteinuria (+++) and 10-29 red blood cells per high-power field, 1-4 white blood cells per high-power field. Abdominal computed tomography (CT) scan was performed showing diffuse edematous colonic wall thickening especially in ascending colon, compatible with infectious colitis. The patient was treated with ceftriaxone intravenously. He required two sessions of hemodialysis. The patient was discharged after 9 days of hospitalization with serum creatinine of 1.0mg/dL. To our knowledge, there had been no previous reported case of food poison such as gimbab induced infective colitis with AKI required hemodialysis. We believe this case report is presented for physicians' awareness of diarrhea induced AKI with easily available food such as gimbab. Detailed history taking is need for prompt diagnosis.

