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Name of Journal: *World Journal of Clinical Cases*

Manuscript NO: 62448

Manuscript Type: CASE REPORT

Treatment of acute severe ulcerative colitis using accelerated infliximab regimen based on infliximab trough level: A case report

Accelerated infliximab regimen - Case report

Abstract

BACKGROUND

Acute severe ulcerative colitis (ASUC) is a complication of ulcerative colitis associated with high levels of circulating tumor necrosis factor alpha (TNF- α), due to the intense inflammation and faster stool clearance of anti-TNF drugs. Dose-intensified infliximab treatment can be beneficial and is associated with lower rates of colectomy. The aim of the study was to present a case of a patient with ASUC and megacolon, treated with hydrocortisone and accelerated scheme of infliximab that was monitored by drug



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Jan 11, 2017 · In a survey of members of the Crohn's and Colitis Foundation of American Clinical Research Alliance and the International Organization for Inflammatory Bowel Disease, 76% of respondents indicated use of an intensified dosing regimen for acute severe UC, either through increased infliximab concentration (>5 mg/kg per dose) and/or an accelerated dosing schedule. 8 Some respondents indicated this regimen was standard practice, but most indicated empirical infliximab dosing ...

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Jan 11, 2017 · **Based** on the results of a survey of North American and international specialists, many clinicians **use** some form of **infliximab treatment** intensification for **acute severe** UC in routine clinical care, although approaches vary widely from dose escalation, dose acceleration or a combination of these approaches. 8 These observations underscore the ...

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Cited by: 224**Author:** David J. Gibson, Zaid S. Heetun, Ciaran E. R...**Publish Year:** 2015

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A retrospective study of 50 patients receiving **accelerated infliximab** induction, defined as 3 induction doses within a median period of 24 days, demonstrated a lower rate of colectomy with the **accelerated regimen** (7%) compared with standard dosing (40%); however, the rates of colectomy at 3 months were similar between the 2 groups, suggesting that the short-term benefit may not translate into improved long-term outcomes . Thus, although **accelerated** or high-dose induction **regimens** ...

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Jan 13, 2020 · An **accelerated infliximab** induction **regimen** reduces the need for early colectomy in patients with **acute severe ulcerative colitis**. Clin Gastroenterol Hepatol. 2015; 13 ...

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