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3  
Name of the Journal: World Journal of Gastrointestinal Oncology

Manuscript NO: 53585

Manuscript Type: CASE REPORT

Immune checkpoint inhibitors induced colitis, stay vigilant: A case report

Abu Khalaf S *et al.* A case of ICIs induced colitis

Suha Abu Khalaf, Abdulmajeed Albarrak, Mohamad Yousef, Veysel Tahan

Abstract

BACKGROUND

Colitis is one of the immune-related side effects of immunotherapy. Usually, such type of side effect was reported to develop within a few weeks of treatment initiation, our case started within a few days.

CASE SUMMARY

We present a case of a 37-year-old gentleman with bright red loose stools, abdominal pain, and tenesmus. A diagnosis of colitis was made based on endoscopic and histologic findings. Treatment was thereafter continued with oral steroids and discontinuation of the immunotherapy medications. Symptoms resolved after starting the treatment and the patient continued to be symptom-free on subsequent follow-up. The unique about this case report is that the patient developed bloody diarrhea within five days of the 1st

Immune Checkpoint Inhibitors Induced Colitis, Stay Vigilant



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## Checkpoint inhibitors: What gastroenterologists need to know

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6319137>

Dec 28, 2018 · Core tip: **Checkpoint inhibitors** are a kind of immunotherapy used in the treatment of various malignancies. Nevertheless, they carry the risk of causing different **immune**-related side effects. Physicians should be **vigilant** in recognizing and appropriately managing these ...

**Author:** Monjur Ahmed    **Publish Year:** 2018

## How Should We Diagnose and Manage Checkpoint Inhibitor ...

<https://consultqd.clevelandclinic.org/how-should...> ▾

If a patient experiences **diarrhea**, **hematochezia**, or **abdominal pain** within the first 6 weeks of therapy with one of the **anticancer drugs** known as **immune checkpoint inhibitors (ICIs)**, the first step is to rule out infection, especially with **Clostridium difficile**.

## Safety and efficacy of restarting immune checkpoint ...

<https://jitc.bmj.com/content/8/1/e000144> ▾

Feb 01, 2020 · Background **Immune checkpoint inhibitors (ICI)** induce a range of **immune**-related adverse events (irAEs) with various degrees of severity. While clinical experience with ICI retreatment following clinically significant irAEs is growing, the safety and efficacy are not yet well characterized.

**Author:** Sarah Abou Alaiwi, Wanling Xie, Amin...    **Publish Year:** 2020





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## Case Report: Unusual case of immune-related colitis

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5652473>

**Pembrolizumab-induced colitis** is an **immune-related** adverse effect. Management strategies depend on the grade of this specific adverse effect. For example, grade 1 **colitis** (<4 stools/day over baseline) is managed conservatively with **diet modifications** and antimotility agents.

**Cited by:** 1**Author:** Meltiady Issa, Ioannis Milioglou**Publish Year:** 2017

## Spectrum of immune checkpoint inhibitors-induced ...

<https://clindiabetesendo.biomedcentral.com/articles/10.1186/s40842-018-0073-4> ▾

Jan 22, 2019 · Since 2011 six **immune checkpoint inhibitors (ICI)** have been approved to treat patients with many advanced solid tumor and hematological malignancies to improve their prognosis. **Case reports** of their **endocrine immune-related** adverse events [irAEs]) are increasingly published as more real-world patients with these malignancies are treated with ...

**Cited by:** 11**Author:** Meng H. Tan, Ravi Iyengar, Ravi Iyenga...**Publish Year:** 2019

## Case report: reinitiating pembrolizumab treatment after ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6482547>

Apr 24, 2019 · ICI associated **colitis** has been reported in 0.3 to 7% of patients treated with **immune checkpoint inhibitors** , with an estimated rate of 1.0 to 1.5% for colonic perforation . The incidence of **colitis** can be substantially higher for combination treatment, having been reported to affect 56% of patients treated with nivolumab and ipilimumab [ 34 ...

**Cited by:** 1**Author:** Tim N. Beck, Tim N. Beck, Tim N. Beck...**Publish Year:** 2019



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Author: Tim N. Beck, Tim N. Beck, Tim N. Beck, A...

Publish Year: 2019

## Immune Checkpoint Inhibitor-Induced Myositis: a Case ...

<https://www.researchgate.net/publication/331259742...>

**Purpose of the Review** We clarify clinical characteristics of patients with **immune checkpoint inhibitor**