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**Name of Journal:** *World Journal of Clinical Cases*

**Manuscript NO:** 67041

**Manuscript Type:** CASE REPORT

**Hemorrhagic pericardial effusion following treatment with infliximab: A case report and review of literature**

Hui Li, Hui Xing, Chen Hu, Bai-Yang Sun, Shuang Wang, Wan-Ying Li, Bo Qu

### Abstract

#### BACKGROUND

Infliximab (IFX) is an anti-tumor necrosis factor  $\alpha$  (TNF- $\alpha$ ) agent and is widely used in the management of a variety of autoimmune and inflammatory diseases, including



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present a rare case of **hemorrhagic pericardial** e usion induced by in iximab and **review** all reported cases of **peri-cardial** e usion during anti-TNF therapy. 2. **Case Report** We present a -year-old man with a history...

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Introduction

Case Report

Literature Review

Discu



Introduction. **Antitumor necrosis factor (TNF) alpha** agents are commonly used biologic therapies for a wide variety of rheumatic and inflammatory diseases. Here, we present a case of hemorrhagic pericarditis as a consequence of infliximab and review the literature on pericardial complications stemming from this drug class. Methods. For the literature review, search terms using versions of **antitumor necrosis factor alpha** AND pericardial effusion OR pericarditis OR pleuropericarditis OR cardi...

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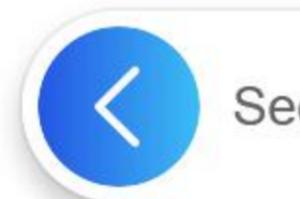
present a rare **case** of **hemorrhagic pericardial** effusion induced by infliximab and **review** all reported cases of **peri-cardial** effusion during anti-TNF therapy. 2. **Case Report** We present a -year-old man with a history significant for ulcerative colitis requiring total colectomy, primary sclerosing cholangitis requiring liver transplant, chronic renal

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present a rare case of hemorrhagic pericardial e usion induced by in iximab and review all reported cases of peri-cardial e usion during anti-TNF therapy. 2. Case Report We present a -year-old man with a history signi cant for ulcerative colitis requiring total colectomy, primary sclerosing cholangitis requiring liver transplant, chronic renal

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Abstract Introduction Case Report Discussion Disclosure

**Ulcerative colitis** is characterized by ulcers and inflammation of the inner lining of the gastrointestinal tract. Antitumor necrosis factor alpha (anti-TNF alpha) agents such as infliximab are drugs that have been used for the treatment of **ulcerative** colitis for decades. Infliximab is known to be associated with various adverse effects including anti-TNF alpha induced lupus (ATIL). We present a rare case of a 51-year-old female with pericardial effusion secondary to infliximab therapy for treatment of her ulcerative ...

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#### PEOPLE ALSO ASK

When to treat pericardial effusion with aetiology?

Where does mild pericardial effusion occur in the heart?

Which is better pericardiocentesis or cardiac tamponade?

How often does pericarditis go to resolution without attracting notice?

Feedback

## Pericardial Effusion

Medical Condition

A condition with the accumulation of too much fluid in the pericardium, a sac surrounding the heart. Mild cases are not harmful, but sometimes it may affect the functioning of the heart.

- Rare (Fewer than 200,000 cases per year in US)
- Requires lab test or imaging
- Treatable by a medical professional
- Can last several days or weeks

It caused by the injury or disease which leads to the accumulation of fluid in the pericardium. Shortness of breath, orthopnea - difficulty breathing while lying, chest pain and chest fullness are the commonly observed symptoms. Treatment depends on the amount of fluid that has accumulated, the cause of the effusion and probability of developing cardiac tamponade.

### Symptoms

Commonly noted symptoms are as follows:

- Shortness of breath
- Orthopnea - difficulty in breathing while lying down
- Chest pain
- Chest fullness
- Light-headedness
- Cough
- Palpitations
- Hoarseness
- Dyspnea
- Anxiety
- Confusion

### Treatments

Treatment depends on the amount of fluid that has accumulated, the cause of the effusion and probability of developing cardiac tamponade.