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24  
Thrombopoietin-receptor agonists in perioperative treatment of patients with chronic liver disease

Qureshi K *et al.* TPO-RAs for perioperative treatment in CLD

Kamran Qureshi, Alan Bonder

### Abstract

Thrombocytopenia is a multifactorial disorder that is common in patients with chronic liver disease (CLD), leading to challenging perioperative planning. As

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Oct 21, 2019 · Chronic liver disease (CLD) gradually causes damage and impairment of the liver that result in liver cirrhosis. It is a serious case of CLD that leads to dangerous health problems among people living across the world. 1,2 As observed in 75% of patients with cirrhosis, thrombocytopenia is the most frequent problem that has been seen in patients with CLD 3 and limited the available treatment ...



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2. Rationale of Use of TPO **Agonists** in CLD. In a study done by Koruk et al. in 2002 [], it was shown that serum TPO levels decreased as the degree of cirrhosis progressed. This study included 18 **patients with chronic** hepatitis infection, 48 with **liver** cirrhosis, and 27 control **patients** with no **liver disease**.

Cited by: 13

Author: Kamran Qureshi, Shyam Patel, Andrew ...

Publish Year: 2016

## Thrombopoietin Receptor Agonists - LiverTox - NCBI Bookshelf

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## Thrombopoietin

Protein



Thrombopoietin also known as megakaryocyte growth and development factor is a protein that in humans is encoded by the THPO gene. Thrombopoietin is a glycoprotein hormone produced by the liver and kidney which regulates the production of platelets. It stimulates the production and differentiation of megakaryocytes, the bone marrow cells that bud off large numbers of platelets.

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