

Name of journal: *World Journal of Hepatology*

ESPS Manuscript NO: 13994

Columns: TOPIC HIGHLIGHT

Cirrhotic cardiomyopathy: Implications for the perioperative management of liver transplant patients

Suehana Rahman, Susan V Mallett

Abstract

Cirrhotic cardiomyopathy is a disease that has only recently been recognised as a definitive clinical entity. In the setting of liver cirrhosis, it is characterized by a blunted inotropic and chronotropic response to stress, impaired diastolic relaxation of the myocardium and prolongation of the QT interval in the absence of other known cardiac disease. A key pathological feature is the persistent over-activation of the sympathetic nervous system in cirrhosis, which leads to down-regulation and dysfunction of the β -adrenergic receptor. Diagnosis can be made using a combination of echocardiography (resting and stress), tissue Doppler imaging, cardiac MRI, 12-lead ECG and measurement of biomarkers. There are significant implications of cirrhotic cardiomyopathy in a number of clinical situations in which there is an increased physiological demand, which can lead to acute cardiac decompensation and heart failure. Prior to transplantation there is an increased risk of hepatorenal syndrome, cardiac failure following transjugular intrahepatic portosystemic shunt insertion and increased risk of coagulopathy during acute gastrointestinal

Match Overview

1	CrossCheck 161 words Moller, S.. "Cirrhotic cardiomyopathy", <i>Journal of Hepatology</i> , 201007	3%
2	CrossCheck 82 words Wiese, Signe, Jens D. Hove, Flemming Bendtsen, and Søren Møller. "Cirrhotic cardiomyopathy: pathogenesis & ...	1%
3	CrossCheck 66 words Wiese, Signe, Christian Mortensen, Jens P. Gøtzte, Erik Christensen, Ove Andersen, Flemming Bendtsen, and ...	1%
4	CrossCheck 55 words Florence Wong. "Cirrhotic cardiomyopathy", <i>Hepatology International</i> , 03/2009	1%
5	Publications 46 words Moller, S. Henriksen, J.H.. "Cirrhotic cardiomyopathy: a ...athophysiological review of circulatory dysfunction in liver	1%
6	CrossCheck 36 words Møller, Søren, Jens D. Hove, Ulrik Dissen, and Flemming Bendtsen. "New insights into cirrhotic cardiomyopathy"	1%
7	CrossCheck 34 words George Therapondos. "Cardiac morbidity and mortality ...elated to orthotopic liver transplantation", <i>Liver Transpla</i>	1%
8	CrossCheck 26 words Merli, Manuela, Angela Calicchia, Alessandra Ruffa, Pierpaolo Pellicori, Oliviero Riggio, Michela Giusto, Carlo Ga	<1%
9	CrossCheck 21 words Mauro Bernardi. "QT interval prolongation in liver cirrhosis: innocent bystander or serious threat?", <i>Expert Review</i>	<1%
10	CrossCheck 21 words	<1%