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Case Control Study

Endogenous motion of liver correlates to the severity of portal hypertension

Gelman S *et al.* Endogenous motion in portal hypertension

Sigita Gelman, Andrius Sakalauskas, Romanas Zykus, Andrius Pranculis, Rytis Jurkonis, Irma Kuliavienė, Arūnas Lukoševičius, Limas Kupčinskas, Juozas Kupčinskas

Abstract

BACKGROUND

Degree of portal hypertension (PH) is the most important prognostic factor for the decompensation of liver cirrhosis and death, therefore adequate care for patients with liver cirrhosis requires timely detection and evaluation of the presence of clinically significant PH (CSPH) and severe PH (SPH). As the most accurate method for the

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Several studies have shown that ADMA levels are also markedly increased in the plasma of patients with **liver** disease and **correlate** with **severity of portal hypertension**, onset of organ dysfunction and outcome. It follows that strategies to lower hepatic ADMA levels may lead to a reduction in **portal** pressure.

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Circulating **endogenous** cannabinoid anandamide and **portal**, systemic and renal hemodynamics in cirrhosis. Fernández-Rodríguez CM(1), Romero J, Petros TJ, Bradshaw H, Gasalla JM, Gutiérrez ML, Lledó JL, Santander C, Fernández TP, Tomás E, Cacho G, Walker JM. ... the **severity of portal hypertension** and the degree of **liver** and renal dysfunction ...

Cited by: 89 **Author:** Conrado M. Fernández-Rodríguez, Julian R...

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The FWHM of the **liver** SE-EPI T 1 Gaussian distribution showed a significant **positive correlation** with HVPG (Spearman R = 0.611, p < 0.001) (Fig.2 C), reflecting the increased heterogeneity in **liver** T 1 with **increased severity of portal hypertension**.

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Introduction. **Liver** cirrhosis is the final stage of a chronic fibrotic process in the **liver** and is the primary cause of **portal hypertension**. Hyperdynamic circulation, which is secondary to the presence of systemic vasodilation, is an important factor in the aggravation and persistence of **portal hypertension** (). Numerous mechanisms are involved in the development of systemic vasodilation ...

Noninvasive Measures of Liver Fibrosis and Severity of ...

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Jul 31, 2014 · The combination of **liver and spleen stiffness** has also demonstrated a **correlation** with significant **portal hypertension**. 62, 63 In an Italian study that evaluated both **spleen** and **liver stiffness** through transient elastography, only 110 of 132 patients had reliable **liver and spleen test results**, but the combination of both parameters led to 93% sensitivity for cirrhosis and 91% sensitivity for ...

Cited by: 13

Author: Catherine Lucero, Robert S. Brown

Publish Year: 2016

Portal hypertension

Portal hypertension is hypertension in the hepatic portal system – made up of the portal vein and its branches, that drain from most of the intestine to the liver. Portal hypertension is defined as a hepatic venous pressure gradient. Cirrhosis is the most common cause of portal hypertension; other, less frequent causes are therefore grouped as non-cirrhotic portal hypertension. When it becomes severe enough to cause symptoms or complications, treatment may be given to decrease portal hypertension itself or to manage its complications.



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