

17

Name of Journal: *World Journal of Gastroenterology***Manuscript NO:** 54521**Manuscript Type:** META-ANALYSIS

Computed tomography in evaluating esophageal varices in cirrhotic patients comparing with liver stiffness measurement and magnetic resonance: A systematic review and meta-analysis

Li Y *et al.* Noninvasive methods prediction of EV

Yue Li, Lei Li, Hong-Lei Weng, Roman Liebe, Hui-Guo Ding

Abstract

BACKGROUND

Liver stiffness measurement (LSM), computed tomography (CT) and magnetic resonance (MR) imaging are non-invasive diagnostic methods for the prediction of esophageal varices (EV) and high bleeding risk EV (HREV) in cirrhotic patients. However, the clinical using of these methods is controversial.

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Patients with cirrhosis often undergo multiphase **computed tomography** (CT) scans to screen for hepato-cellular carcinoma as a part of their routine clinical management. Findings suggestive of portal hypertension are common (**esophageal varices**, splenomegaly, ascites, and enlargement of the portal vein or the presence of enlarged collateral vessels).

Cited by: 3

Author: Ma Somsouk, Katherine To'o, Mujtaba Ali...

Publish Year: 2014

Usefulness of MR elastography for predicting esophageal ...

<https://onlinelibrary.wiley.com/doi/full/10.1002/jmri.24186>

Second, MRI with MRE is not only useful for **predicting esophageal varices** and identifying **high-risk varices in cirrhotic patients**, it can also allow the evaluation of extraesophageal abnormalities and can contribute to the diagnosis of a liver parenchymal disorder such as fatty infiltration or other liver cirrhosis-related complications ...

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Author: Hye Young Sun, Jeong Min Lee, Joon Ko...

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Computed tomography angiography in patients with active ...

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Feb 25, 2014 · **Computed tomography** angiography in **patients** with active gastrointestinal **bleeding** *
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of CT angiography in the diagnosis of acute gastrointestinal **bleeding**: **systematic review** and **meta-**
analysis. Eur Radiol.

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The objective of this study was to evaluate the performance of routine helical **liver** CT in the detection and grading of **esophageal varices in cirrhotic patients**.

[Esophageal Varices in Patients with Cirrhosis ...](https://pubs.rsna.org/doi/10.1148/radiol.2423050784)

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Results: Thirty-seven of 90 **patients** had grade 0, 23 had grade 1, 18 had grade 2, and 12 had grade 3 **esophageal varices**. Thus, 60 **patients** were determined to be in a low-risk group and 30 in a high-risk group for variceal bleeding at endoscopy. There was almost perfect agreement in grading **esophageal varices** between endoscopists.

Cited by: 109

Author: Se Hyung Kim, Yoon Jun Kim, Jeong M...

Publish Year: 2007

[Evaluation of esophageal varices on liver computed ...](https://www.researchgate.net/publication/26257236_Evaluation_of_esophageal_varices_on_liver_computed_tomography)

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