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*Retrospective Study*

**Predicting gastroesophageal varices through spleen magnetic resonance elastography in pediatric liver fibrosis**

Yoon H *et al.* Spleen MRE in pediatric liver fibrosis

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**Abstract**

**BACKGROUND**

A recent retrospective study confirmed that hepatic stiffness and splenic stiffness measured with magnetic resonance elastography (MRE) are strongly associated with the presence of esophageal varices. In addition, strong correlations have been reported between splenic stiffness values measured with MRE and hepatic venous pressure gradients in animal models. However, most studies have been conducted on adult populations, and previous pediatric MRE studies have only demonstrated the feasibility of MRE in pediatric populations, while the actual clinical application of spleen MRE has been limited.

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2014年3月9日 - **MR elastography** is comparable to DCE MR imaging in predicting the ... **Liver cirrhosis** is defined pathologically as fibrosis and inflammation of the liver, ... **with** cirrhosis, such as **spleen** length, portal vein diameter, **Child-Pugh** ...

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fibrosis can be obtained by measuring liver stiffness or elasticity with MRE. ... magnetic resonance elastography; NAFLD, non-alcoholic fatty liver disease; ..... to have a strong influence on liver stiffness, although in the pediatric population ..... of portal vein flow and liver stiffness for predicting gastroesophageal varices.

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2017年3月20日 - Chronic liver injury with progressive hepatic fibrosis can result in ... fibrosis [14] and predict the presence of esophageal varices [15]. ... Patients with known cirrhosis could participate if they were Child-Pugh class A [21]. ... liver and spleen stiffness assessed by MRE correlated with portal pressure [19, 33].

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