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**2015 Advances in Cirrhosis**

**Four-dimensional flow magnetic resonance imaging in cirrhosis**

Stankovic Z. 4D flow MRI in cirrhosis

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**Author contributions:** Stankovic Z analyzed the literature and wrote the paper.

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We used 4D flow magnetic resonance imaging<sup>1</sup> to evaluate a 34-year-old man with a complicated course after aortic coarctation repair including development of an aortopulmonary fistula. Our initial 4D flow study (Figure 1) reveals abnormal vortical-type ...

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Keywords: 4D flow magnetic resonance imaging (4D flow MRI); phase contrast ..... A study with liver cirrhosis patients validated the use of 4D flow MRI for portal ...

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4D flow MRI visualization of the hepatic hemodynamics by 3D pathlines in a 50-year-old female patient with advanced liver cirrhosis Child-Pugh class B.

### Normal and altered three-dimensional portal venous ...

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