

Clinical-Medical Image

Imaging of Liver Transplants Procedure by MRI

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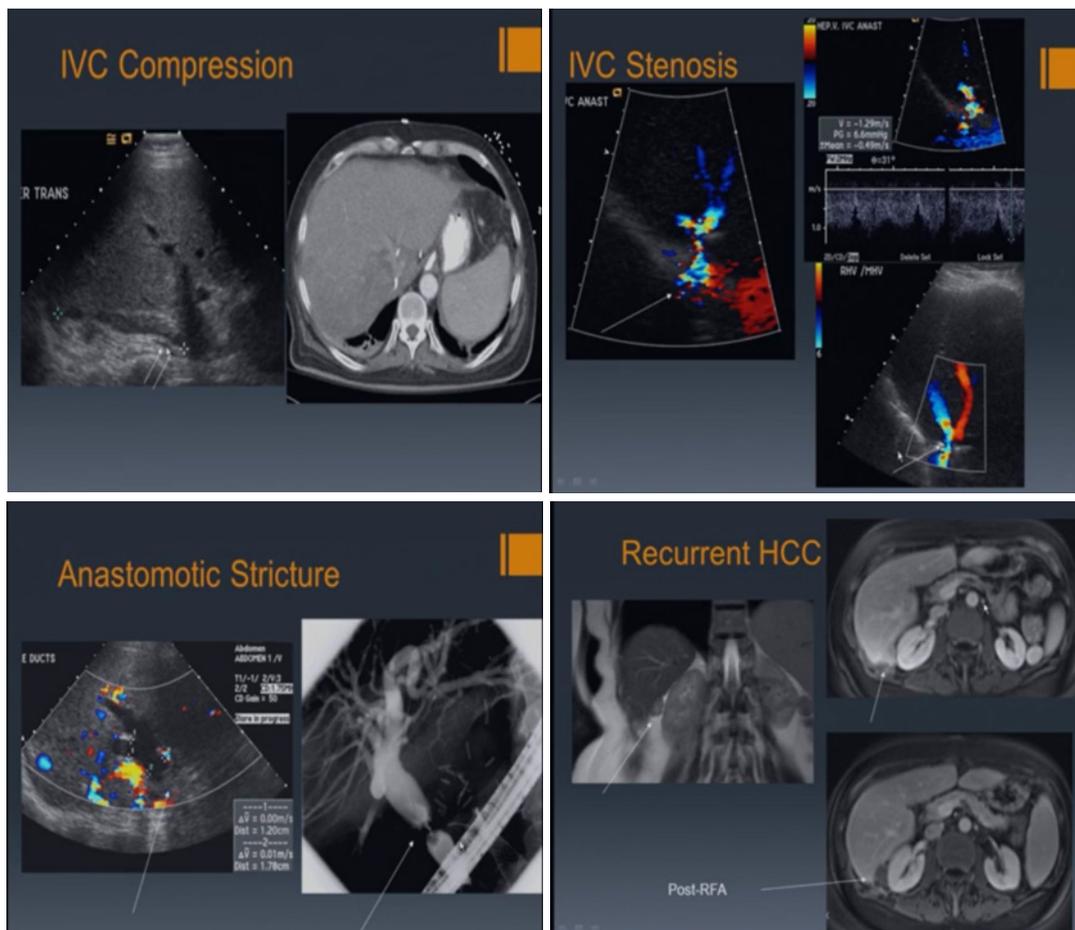


Figure 1: Liver MRI with contrast.

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Liver transplantation is a life-saving surgical procedure for patients with end-stage liver disease or liver failure. Post-transplant monitoring is critical to assess graft function and identify potential complications. Imaging plays a vital role in the evaluation of liver transplant recipients. Multiple imaging modalities, such as ultrasound, computed tomography (CT), magnetic resonance imaging (MRI) and positron emission tomography (PET), can be used for imaging liver transplants. Ultrasound is the most common modality used for initial evaluation and follow-up imaging due to its noninvasiveness, cost-effectiveness and ability to provide real-time images. CT and MRI are more sensitive than ultrasound for detecting post-transplant complications, such as vascular or biliary complications and can provide high-resolution images of the transplanted liver. PET imaging can provide functional information and help distinguish between post-transplant complications and normal postoperative changes. Imaging findings must be correlated with clinical data to ensure accurate diagnosis and management of post-transplant complications. Imaging can also be used for pre-transplant evaluation of potential donors and recipients, as well as for planning surgical approaches and identifying anatomical variations [1,2].

Received: 20 January 2023, Manuscript No. ijcm-23-96524; **Editor assigned:** 21 January 2023, Pre QC No. P-96524; **Reviewed:** 13 February 2023, QC No. Q-96524; **Revised:** 18 February 2023, Manuscript No. R-96524; **Published:** 27 February 2023, DOI:10.4172/2376-0249.1000879

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Citation: Moretto R. (2023) Imaging of Liver Transplants Procedure by MRI. *Int J Clin Med Imaging* 10:879.

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Keywords: Liver transplantation; Cholestasis; X-linked primary immunodeficiency

Conflict of Interest

None of the authors has any conflicts of interests to disclose.

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