

Poster #: 19

Title of MR Evaluation of Liver Transplantation Complications

Abstract:

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Modality: MR

Organ System: GI

Intro: N/A

Purpose: N/A

Methods Used: N/A

Results of N/A

Abstract:

Discussion: N/A

**Scientific
and/or Clinical
Significance?** N/A

**Relationship
to existing
work** N/A

Purpose: Orthotopic liver transplantation is the first line intervention and only curative treatment for patients with acute liver failure and chronic end stage liver disease. However, given the inherent complexity of the procedure and increased morbidity within the patient population, complications commonly occur. Various modalities, including MR imaging, provide noninvasive evaluation for early detection of these complications. The purpose of this exhibit is to review the MR appearance of common complications associated with liver transplantation. **Content Organization:** This exhibit will review the MR appearance of post-liver transplantation imaging including: 1. The post-liver transplantation anatomy, 2. Common vascular and biliary complications (including hepatic artery thrombosis, hepatic artery pseudoaneurysm, portal vein thrombosis, biliary obstruction, and biliary stones), and 3. Recurrent liver disease (including cirrhosis, hepatocellular carcinoma, and primary sclerosing cholangitis). **Major Teaching Points:** Complications after liver transplantation often are clinically nonspecific, increasing the importance of imaging for early detection and diagnosis. Recognizing the MR appearance of common complications can reduce morbidity and mortality associated with liver transplantation complications.