Poster #: 24

Title of Abstract: Expected imaging findings and complications following TACE and RFA treatment for HCC

Institution: University of Chicago

Authors: Piotr Obara MD, Stephen Thomas MD

Modality: Multi

Organ System: GI

Intro: N/A

Purpose: N/A

Methods Used: N/A

Results of Abstract: N/A

Discussion: N/A

Scientific and/or Clinical Significance? N/A

Relationship to existing work N/A

Purpose: Transcatheter chemoembolization (TACE) and radiofrequency ablation (RFA) are common treatments for hepatocellular carcinoma (HCC). Tumor staging, post treatment surveillance and complications are performed with CT or MR. The purpose of this exhibit is to describe the expected and unexpected CT and MR imaging findings following HCC treatment. Content organization: Poster will include the following: 1. Brief overview of TACE and RFA treatment methods, 2. Normal post-treatment appearance on CT and MR, including examples of coagulation necrosis, cavitation, and adjacent inflammatory change. 3. Common treatment complications (abscess, hemorrhage, biliary injury) using CT and MR case examples. 4. Appearance of residual and recurrent HCC, with examples of tumor along margin of ablation cavity as well as distant disease. 5. Appropriate timeline for post-treatment imaging follow-up. Major teaching points: Knowledge of normal appearance after TACE and RFA for HCC treatment is critical for accurate differentiation of expected findings from complications or residual/recurrent tumor. Our exhibit will familiarize the reader with normal and abnormal post-treatment imaging findings using CT and MR.