

**Poster #: 34**

**Title of MRI Appearance of Peritoneal Tumors**

**Abstract:**

**Institution:** Creighton University Medical Center

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**Modality:** MR

**Organ System:** Multi

**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:** Peritoneal tumors display varied MRI presentation depending on the primary etiology of the tumor and treatment received. This exhibit will review the clinical presentation, pathophysiology, and MRI characteristics of various peritoneal tumors. **Content Organization:** This exhibit will describe various peritoneal tumors and demonstrate the characteristic MRI appearances of these tumors utilizing images from patients referred to our institution. For example, pseudomyxoma from appendiceal cancer is hyperintense on T2, restricts diffusion, and shows faint delayed enhancement, whereas mesothelioma is hypointense on T2, restricts diffusion, and demonstrates avid contrast enhancement. Intraoperative and pathologic correlations for imaging findings will also be presented. **Major Teaching Points:** Knowledge of the MRI characteristics and behavior of various peritoneal tumors will allow the observer to more accurately diagnose peritoneal tumors and provide valuable information for prognosis and treatment planning.