

TITLE: COMPARISON OF PRE AND POST TREATMENT MRI IN PATIENTS WITH RECTAL CANCER WITH CLINICAL IMPLICATIONS

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RESEARCH PROJECT DESCRIPTION:

BRIEF OVERVIEW: The study will aim to compare the MRI's obtained in rectal cancer patients before and after neoadjuvant chemoradiation therapy in an attempt to ascertain clinical impact.

HYPOTHESIS: Post-neoadjuvant therapy MRI does not lead to a change in surgical plans and could be abandoned.

METHODS: All patients who have undergone rectal cancer surgery after neoadjuvant chemoradiation therapy at UF Health in the last 10 years and had pre and post-therapy MRI's will be identified. Relevant data will be obtained from the retrospective charts with the aim of identifying any impact of the post-therapy MRI on patient's surgical procedure, approach and clinical outcome.

ROLE OF MEDICAL STUDENT: The Medical student will help obtain the data from patient's charts in a retrospective manner and will also work in conjunction with the faculty to analyze the data and write a manuscript.

FUNDING AND RELEVANT PUBLICATIONS: No funding source. No relevant publications but there is an opportunity to collaborate with Baylor College of Medicine to have a high impact publication from this project. Also the opportunity to work on other ongoing projects and manuscripts exists.