AbstractID: 12927 Title: A Customized Report to Enhance/Facilitate Chart Rounds in the e-Chart Era

Purpose: Many radiotherapy departments have converted to an electronic chart (e-chart). While the e-chart can streamline certain data retrieval, the data required for conducting chart rounds is often accessed through different logical views. Navigating from view-to-view results in inefficiencies that take away from discussions regarding specific patient management. The goal of this study is to develop a customized report that can efficiently summarize the relevant material required for chart rounds.

Methods and Materials: A list was derived to determine the information that should be reviewed during chart rounds. This list includes: diagnosis, staging, physician intent, prescription, prescription approval status, treatment fields, current treatment dose, pending documents, and any images that are not reviewed or approved. For patients receiving IGRT, the daily shifts should also be reviewed. In addition, the individual verification images and treatment plan were also included as items to be reviewed, but would not be included directly in this report. Using Crystal Reports, a customized report was designed to access this information from the Mosaiq database (Impac, Sunnyvale, CA, USA).

Results: Using this customized report, the essential elements required for a chart review were all captured. The report is efficient to generate requiring only a couple seconds to access the database, format and display. Previously, verifying each piece of information would require opening up to 6 individual views within Mosaiq. Using this report, only 2 areas are now accessed – the treatment plan and verification images. Thus, more time can be dedicated to discussing patient management, as opposed to the time that is wasted by searching for the relevant information.

Conclusions: We have designed a customized report to enhance chart rounds within the e-chart environment. The process is efficient, summarizes important patient information, and provides a more efficient manner to discuss the management of each individual patient.