Clinical Swallowing Profile Change UCF in HNC Patients Treated with CRT Im I.^{1,2}, Takahashi N.^{1,3}, Dungan S. E.¹, Carnaby G. D.¹, Crary M. A.¹

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INTRODUCTION	METHODS	CONCLUSIONS
 The Mann Assessment of Swallowing Ability- Cancer (MASA-C) is a valid clinical dysphagia evaluation tool that provides both a total score and 	 Patients 35 patients receiving CRT for HNC were included in the study. Table 1 presents basic demographic details 	 <u>Total Scores</u> (MASA-C and FOIS) indicate a pattern of significant deficit following CRT (6 weeks) with incomplete recovery by 3 months
a profile of swallowing related strengths/limitations for head and neck cancer	Clinical assessments of swallowing	 (Bar Graphs 1 and 2) Clinical Profiling indicates deterioration in

- Suenguis/initiations for thead and theck called (HNC) patients.
- A clinical profile of swallowing related changes following chemoradiotheray (CRT) might be useful in dysphagia treatment planning and outcome monitoring. However, few studies have compared clinically measured change related to swallowing in a cohort of CRT treated HNC patients.
- This study compared change in MASA-C total scores and *clinical profiles* from *pre-CRT* to post-CRT to follow up at 3 months CRT. In swallowing addition, functional ability was monitored across these three time points.

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•MASA-C: This examination consists of 24 items. The total maximum score is 200 points. A cut off score of 185 determines the presence of dysphagia in HNC populations. Lower scores reflect more severe swallowing deficits. We evaluated: 1- MASA-C total scores at each time point and 2- change in the clinical assessment rating of each of the 24 individual items (clinical profile) between time points.

The Functional Oral Intake Scale (FOIS): FOIS is a valid and reliable tool used to document safe and adequate oral intake. A **7-point** ordinal scale describes the functional oral intake of patients. Values below 6 reflect functional considered to swallowing are limitations. Lower values representing more restricted oral intake.

Children Promining multicates deterioration m multiple swallow related functions. Greatest **post** CRT reductions were noted in *taste, smell, oral mucosa, saliva, diet, weight loss* and *pharyngeal response*. (Line Graph 1: items noted by)

- Recovery at 3 months was noted in multiple items most notably *diet, oral mucosa, and tongue movement*. () Line Graph 2.
- Residual deficits at 3 months were clinically noted primarily in *taste, saliva, weight loss, and pharyngeal response*. () Line Graph 3.
- Clinical profiling of swallow related functions via the MASA-C identifies deterioration and recovery of functions along with residual deficits. Such information may aid treatment planning.

RESULTS





