

Treatment Summaries for Head and Neck Cancer Survivors: Improving Patient Self Efficacy and Survivorship Care

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Introduction

- The treatment summary (TS) is a comprehensive cancer care record. It contains information regarding provider names and contact information, cancer diagnosis, tumor characteristics and treatment details.
- Incorporation of a comprehensive oncologic TS to assist with care coordination is a core element of survivorship care and was recommended by the Institute of Medicine in 2006.¹
- The TS as a survivorship tool is endorsed by the National Coalition of Cancer Survivors, American Cancer Society, and the American Head and Neck Society.
- In 2018, the Commission on Cancer of the American College of Surgeons required that >50% of eligible patients receive TS for its accredited programs.
- Despite this recent mandate, a recent survey of head and neck surgeons showed that only 43.1% of respondents were administering a TS to their head and neck cancer (HNC) survivors.²
- While the usefulness of treatment summaries has been evaluated in other cancer types including breast and colorectal cancer^{3,4}, it has yet to be studied in HNC survivors

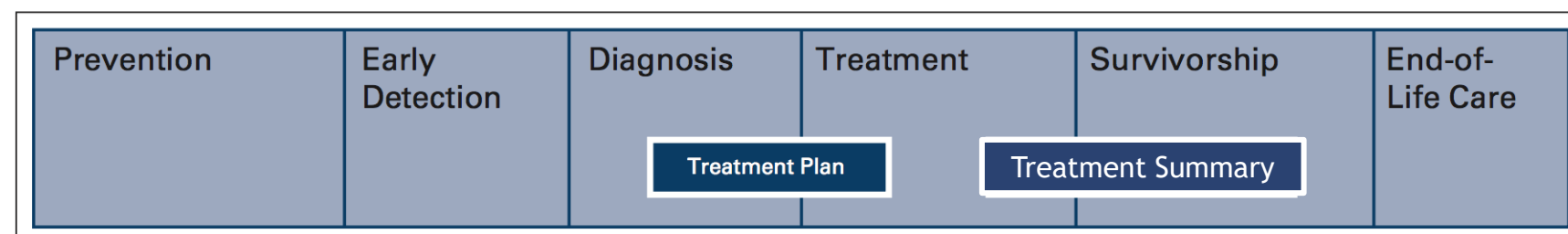


Figure 1. Timing of survivorship care plan delivery.

Objective

- To determine if receiving treatment summaries enhances patient understanding and recall of cancer and treatment details, improves patient self-efficacy, and serves as a useful patient tool after completion of head and neck (HNC) therapy.

Methods and Materials

- Non-interventional survey study enrolling patients at TJUH – Center City from May 2019 to May 2020.
- Patients will be surveyed about details of their diagnosis and treatment, and regarding the perceived usefulness of a TS form at baseline (completion of treatment).
- Patients will be re-surveyed about their diagnosis and treatment, and usefulness of the TS at their six month follow-up visit to determine if the TS improved their ability to recall these details.

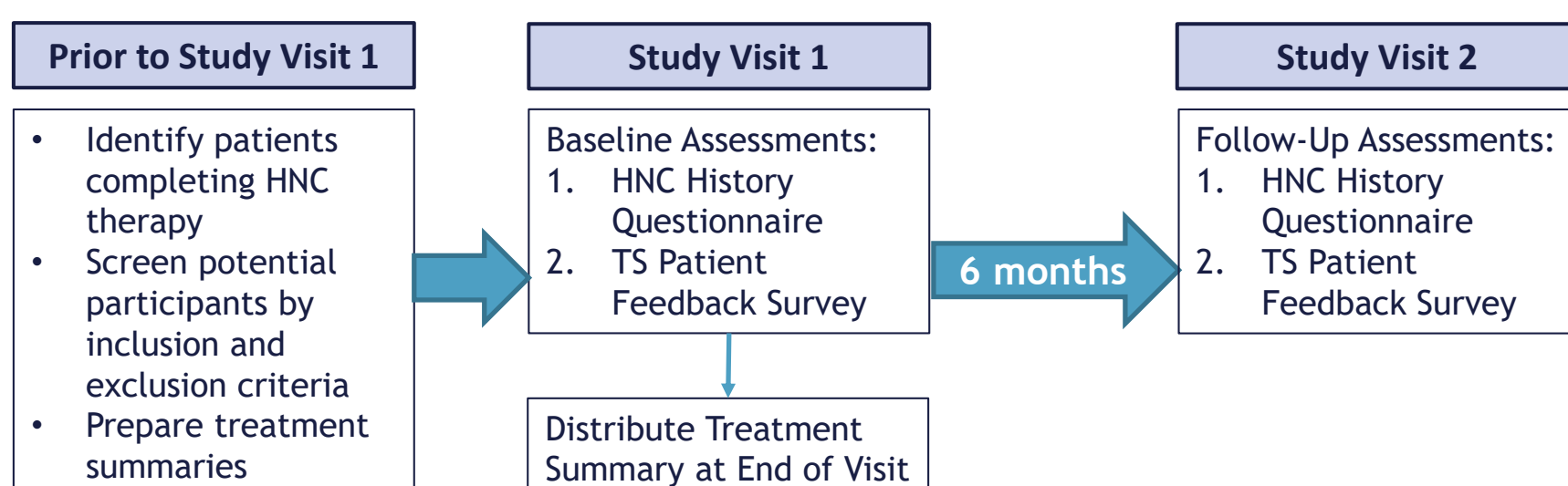


Figure 2. Schematic of study design.

Treatment Summary Form

Jefferson Health

Patient Name: _____
DOB: _____
MRN: _____
Telephone #: _____
Email: _____

Care Team	Provider Name	Telephone Number
Nurse Navigator:		
Head and Neck Surgeon:		
Radiation Oncologist:		
Medical Oncologist:		
Reconstructive Surgeon:		
Primary Care Physician:		
Dentist:		
Pain Management:		
Speech Pathologist:		
Social Worker:		
Nutrition Support:		
Other:		

Tumor Characteristics

Date of Pathologic Diagnosis: _____ Date of Completion of Definitive Therapy: _____

Side: Left Right Bilateral N/A TNM Stage: T _____ N _____ M _____

Site: Lip Buccal Mucosa Floor of Mouth Alveolar Ridge Oral tongue Retromolar Trigone
 Hard Palate Nasal Cavity Paranasal Sinus (Specify _____) Nasopharynx (EBV +/-)
 Soft Palate Tonsil Base of Tongue Supraglottic Larynx Glottic Larynx
 Subglottic Larynx Pyriform Sinus Posterior Pharyngeal Wall Parotid Gland
 Submandibular Gland Facial Skin Neck Skin Scalp Skin Unknown Primary
 Other: _____

Pathology: Squamous Cell Carcinoma Other _____ HPV/p16 Status: + - N/A

Adverse Pathologic Features: Positive Margins Close Margins* Perineural Invasion
 Lymphovascular Invasion Extracapsular Nodal Extension
 Skullbase Invasion Soft tissue invasion (List: _____)
 Other: _____

*The designation 'Close margin' is ill-defined and may be used for cancer-free margins from 2-5 mm

Treatment

Surgery Performed: Yes No Procedure Date(s): _____
 Treating Institution: _____
 Procedure(s) Performed: _____

Radiation Therapy Performed: Yes No Start Date: _____ End Date: _____
 Treating Institution: _____

Field	Dose	Notes:

Chemotherapy Administered: Yes No

Drug Name	Route	Dose	Schedule	Dose reduction	# Cycles
				<input type="checkbox"/> Yes _____ % <input type="checkbox"/> No	
				<input type="checkbox"/> Yes _____ % <input type="checkbox"/> No	

Clinical Trial Participant: Yes No Sponsor Name: _____ Identifier/NCT #: _____ Brief Description: _____

Other Treatments Received: _____

Statistical Analysis

- Formal Hypothesis:** If patients receive a cancer TS after completion of their cancer care, then the accuracy and understanding of patient reported cancer related diagnosis and treatment details will significantly improve.
- Using a two-sided McNemar test with 1% significance, a minimum of 42 patients will achieve 95% power to detect the predetermined effect size.
- It is anticipated that up to 10% of patients may fail to complete the study. Thus, 47 participants will need to be surveyed to have a fully powered study for analysis.
- Four patients will be recruited per month during a 12-month accrual period to achieve the desired sample size.

Patient Survey Forms

Head and Neck Cancer Treatment Summary Subject Initials/Study ID: _____

1. My treatment summary helped me better understand my cancer diagnosis and treatment.

Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

2. I have shared and will continue to share my treatment summary with my non-cancer doctors.

Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

3. My treatment summary was able to help me feel more confident when recalling my medical history to other physicians.

Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	N/A
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

4. My treatment summary helped me more accurately remember details about my cancer diagnosis and treatment.

Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

5. My treatment summary has helped me better communicate details about my cancer diagnosis with my family and friends.

Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

6. My treatment summary has helped ease the transition from my active cancer treatment to the survivorship period.

Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

7. Having my treatment summary has encouraged me to ask questions and engage more in my health decisions and care.

Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

8. Along with the details already found in your treatment summary, what additional information would you find helpful?

Head and Neck Cancer History Questionnaire Subject Initials/Study ID: _____

1. What kind of head and neck cancer have you been diagnosed with?
 Skin (Scalp/Face/Neck)
 Larynx (Supraglottic Larynx/Glottic Larynx/Subglottic Larynx)
 Hypopharynx (Piriform Sinus/Posterior Pharyngeal Wall)
 Alveolar Ridge (teeth/jaw)
 Oral Cavity (Lip/Floor of Mouth/Buccal Mucosa/Retromolar Trigone/Hard Palate/Tongue)
 Oropharynx (Tonsils/Base of Tongue/Soft Palate)
 Salivary Gland (Parotid/ Submandibular)
 Nasal Cavity/Paranasal Sinus/Nasopharynx
 Thyroid
 Parathyroid
 I don't know

2. What month and year were you diagnosed with cancer? _____

3. What stage of head and neck cancer did you have?
 Stage 0 (carcinoma in situ)
 Stage 1
 Stage 2
 Stage 3
 Stage 4
 I don't know

4. Was cancer found in your lymph nodes?
 Yes
 No
 I don't know
 They did not test for this

5. Which of the following treatments have you received (check all that apply)?
 Surgery
 Chemotherapy
 Immunotherapy
 Radiation Therapy
 I don't know

6. Did you participate in any clinical trials for treatment of your cancer?
 Yes
 No
 I don't know

7. What sources of information did you use to complete these questions?
 My own knowledge and memory
 I asked my spouse or children
 I checked records or notes that I have of my medical history
 Other (please specify _____)

- The *Head and Neck Treatment Summary Patient Feedback Survey* will ask patients about the usefulness of the TS in communicating their cancer diagnosis to others and actively engaging in their healthcare during the survivorship period.
- The *Head and Neck Cancer History Questionnaire* Patients will ask about details of the patients' cancer diagnosis, tumor characteristics, and treatment received.

Discussion and Conclusions

- The treatment summary is an essential component of a survivorship care plan and should be given to all head and neck cancer survivors at the completion of their therapy.
- This study will help us better understand the patient derived benefits of receiving a TS upon completion of cancer therapy.

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