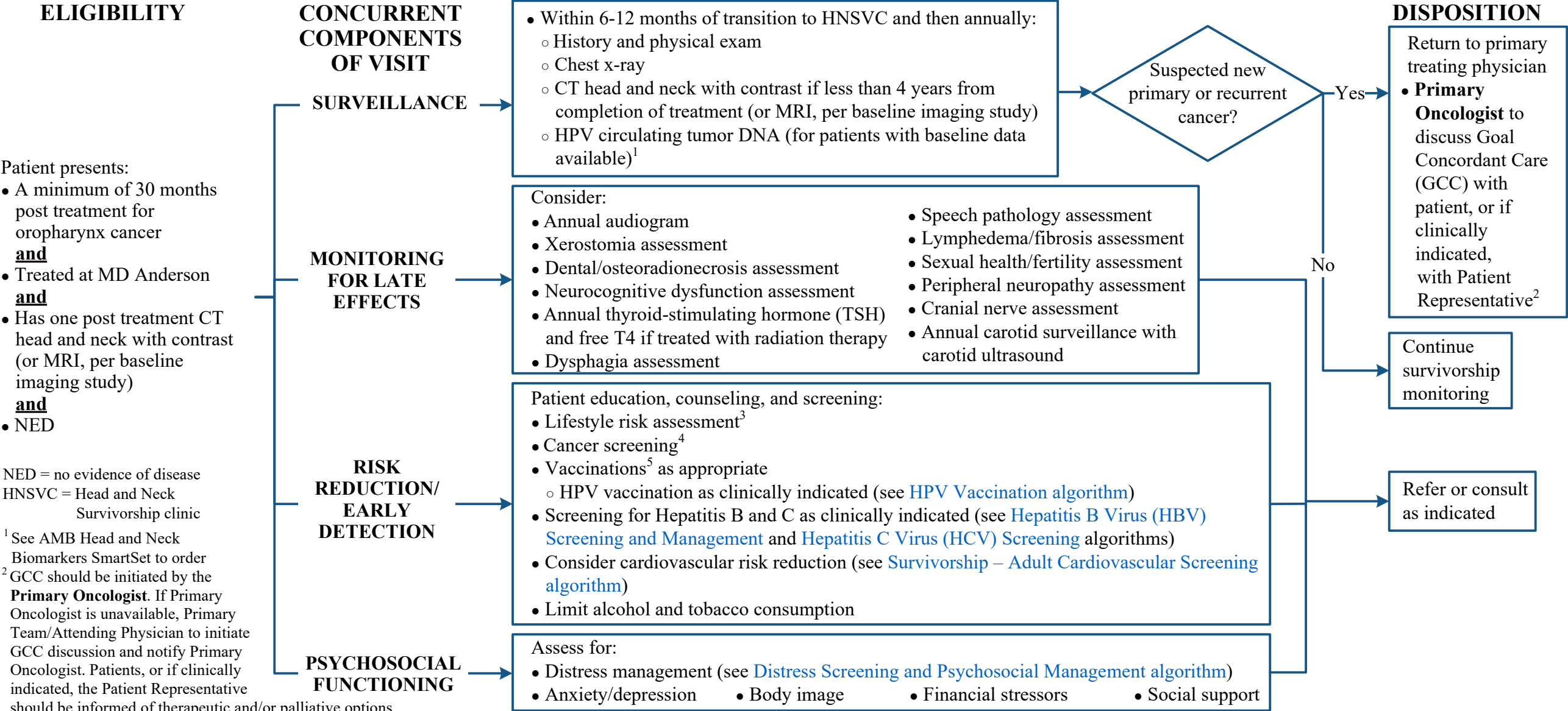


Disclaimer: This algorithm has been developed for MD Anderson using a multidisciplinary approach considering circumstances particular to MD Anderson’s specific patient population, services and structure, and clinical information. This is not intended to replace the independent medical or professional judgment of physicians or other health care providers in the context of individual clinical circumstances to determine a patient’s care. This algorithm should not be used to treat pregnant women.



GCC discussion should be consistent, timely, and re-evaluated as clinically indicated. The Advance Care Planning (ACP) note should be used to document GCC discussion. Refer to [GCC home page](#) (for internal use only).

³ See [Physical Activity, Nutrition, Obesity Screening and Management](#) and [Tobacco Cessation Treatment](#) algorithms; ongoing reassessment of lifestyle risks should be a part of routine clinical practice

⁴ Includes [breast](#), [cervical](#), [colorectal](#), [liver](#), [lung](#), [pancreatic](#), [prostate](#), and [skin cancer screening](#)

⁵ Based on [American Society of Clinical Oncology \(ASCO\) guidelines](#)

Disclaimer: This algorithm has been developed for MD Anderson using a multidisciplinary approach considering circumstances particular to MD Anderson's specific patient population, services and structure, and clinical information. This is not intended to replace the independent medical or professional judgment of physicians or other health care providers in the context of individual clinical circumstances to determine a patient's care. This algorithm should not be used to treat pregnant women.

SUGGESTED READINGS

- American Cancer Society. (n.d.) American Cancer Society guidelines for the early detection of cancer. Retrieved from <https://www.cancer.org/healthy/find-cancer-early/cancer-screening-guidelines/american-cancer-society-guidelines-for-the-early-detection-of-cancer.html>
- Baxi, S. S., Pinheiro, L. C., Patil, S. M., Pfister, D. G., Oeffinger, K. C., & Elkin, E. B. (2014). Causes of death in long-term survivors of head and neck cancer. *Cancer*, 120(10), 1507-1513. <https://doi.org/10.1002/cncr.28588>
- Dirix, P., Nuyts, S., Vander Poorten, V., Delaere, P., & Van den Bogaert, W. (2008). The influence of xerostomia after radiotherapy on quality of life. *Supportive Care in Cancer*, 16(2), 171-179. <https://doi.org/10.1007/s00520-007-0300-5>
- Epstein, J. B., Robertson, M., Emerton, S., Phillips, N., & Stevenson-Moore, P. (2001). Quality of life and oral function in patients treated with radiation therapy for head and neck cancer. *Head & Neck*, 23(5), 389-398. <https://doi.org/10.1002/hed.1049>
- Joshi, A., Calman, F., O'Connell, M., Jeannon, J. P., Pracy, P., & Simo, R. (2010). Current trends in the follow-up of head and neck cancer patients in the UK. *Clinical Oncology*, 22(2), 114-118. <https://doi.org/10.1016/j.clon.2009.11.004>
- Kamboj, M., Bohlke, K., Baptiste, D. M., Dunleavy, K., Fueger, A., Jones, A. L., ... Kohn, E. C. (2024). Vaccination of Adults With Cancer: ASCO Guideline. *Journal of Clinical Oncology*, 42(14), 1699-1721. Retrieved from: <https://ascopubs.org/doi/10.1200/JCO.24.00032>
- Licitra, L., Felip, E., & ESMO Guidelines Working Group. (2009). Squamous cell carcinoma of the head and neck: ESMO clinical recommendations for diagnosis, treatment and follow-up. *Annals of Oncology*, 20(4), 121-122. <https://doi.org/10.1093/annonc/mdp149>
- Lohia, S., Rajapurkar, M., Nguyen, S. A., Sharma, A. K., Gillespie, M. B., & Day, T. A. (2014). A comparison of outcomes using intensity-modulated radiation therapy and 3-dimensional conformal radiation therapy in treatment of oropharyngeal cancer. *JAMA Otolaryngology - Head & Neck Surgery*, 140(4), 331-337. <https://doi.org/10.1001/jamaoto.2013.6777>
- Mortensen, H. R., Jensen, K., Aksglæde, K., Behrens, M., & Grau, C. (2013). Late dysphagia after IMRT for head and neck cancer and correlation with dose-volume parameters. *Radiotherapy and Oncology*, 107(3), 288-294. <https://doi.org/10.1016/j.radonc.2013.06.001>
- National Comprehensive Cancer Network. (2024). *Head and Neck Cancers* (NCCN Guideline Version 3.2024). Retrieved from https://www.nccn.org/professionals/physician_gls/pdf/head-and-neck.pdf
- National Comprehensive Cancer Network. (2024). *Survivorship* (NCCN Guideline Version 1.2024). Retrieved from https://www.nccn.org/professionals/physician_gls/pdf/survivorship.pdf
- Roh, J. L., Kim, A. Y., & Cho, M. J. (2005). Xerostomia following radiotherapy of the head and neck affects vocal function. *Journal of Clinical Oncology*, 23(13), 3016-3023. <https://doi.org/10.1200/JCO.2005.07.419>
- Saito, Y., Ebihara, Y., Ushiku, T., Omura, G., Kobayashi, K., Ando, M., ... Asakage, T. (2014). Negative human papillomavirus status and excessive alcohol consumption are significant risk factors for second primary malignancies in Japanese patients with oropharyngeal carcinoma. *Japanese Journal of Clinical Oncology*, 44(6), 564-569. <https://doi.org/10.1093/jjco/hyu042>

Disclaimer: *This algorithm has been developed for MD Anderson using a multidisciplinary approach considering circumstances particular to MD Anderson’s specific patient population, services and structure, and clinical information. This is not intended to replace the independent medical or professional judgment of physicians or other health care providers in the context of individual clinical circumstances to determine a patient’s care. This algorithm should not be used to treat pregnant women.*

DEVELOPMENT CREDITS

This survivorship algorithm is based on majority expert opinion of the Head and Neck Survivorship workgroup at the University of Texas MD Anderson Cancer Center. It was developed using a multidisciplinary approach that included input from the following:

Core Development Team Leads

Steven Frank, MD (Radiation Oncology)

Mark Zafereo, MD (Head & Neck Surgery)

Workgroup Members

Neal S. Akhave, MD (Thoracic Head & Neck Med Onc)
Naghm Al-Zubidi, MBBCH (Ophthalmology)
Moran Amit, MD, PhD (Head & Neck Surgery)
Carly Barbon, PhD (Head & Neck Surgery)
Richard Cardoso, DDS (Oral Oncology)
Mark Chambers, DMD (Oral Oncology)
Eduardo Diaz Jr., MD (Head & Neck Surgery)
Barbara Ebersole, MA (Speech Path & Audiology)
Olga N. Fleckenstein, BS[♦]
Sherry Garcia, MPAS, PA-C (Head & Neck Radiation Oncology)
Paul Gidley, MD (Head & Neck Surgery)
Ann Gillenwater, MD (Head & Neck Surgery)
Katherine Gilmore, MPH, BA (Cancer Survivorship)
Ryan Goepfert, MD (Head & Neck Surgery)

Dan Gombos, MD (Ophthalmology)
Neil Gross, MD (Head & Neck Surgery)
Brandon Gunn, MD (Radiation Oncology)
Ehab Hanna, MD (Head & Neck Surgery)
Amy Hessel, MD (Head & Neck Surgery)
Theresa Hofstede, DDS (Oral Oncology)
Kate Hutcheson, PhD (Head & Neck Surgery)
Stephen Lai, MD, PhD (Head & Neck Surgery)
Miriam Lango, MD (Head & Neck Surgery)
Anna Lee, MD, MPH (Radiation Oncology)
Carol Lewis, MD, MPH (Head & Neck Surgery)
Anastasios Maniakas, MD, PhD (Head & Neck Surgery)
Jeffrey Myers, MD, PhD (Head & Neck Surgery)
Van Nguyen, PharmD[♦]

Marc-Elie Nader, MD (Head & Neck Surgery)
Adegbenga Otun, DDS (Oral Oncology)
Christine Porsche, MS (Speech Path & Audiology)
Kristen Pytynia, MD, MPH (Head & Neck Surgery)
Justine Robinson, MPAS (Head & Neck Surgery)
Johnny Rollins, MSN, APRN, ANP-C (Cancer Survivorship)
Andrew Sikora, MD, PhD (Head & Neck Surgery)
Shirley Su, MBBS (Head & Neck Surgery)
Jennifer Wang, MD (Head & Neck Surgery)
Hannah Warr, MSN, RN, CPHON[♦]
Randal Weber, MD (Head & Neck Surgery)
Ruth Aponte Wesson, DDS (Oral Oncology)
Xiao Zhao, MD (Head & Neck Surgery)

[♦]Clinical Effectiveness Development Team