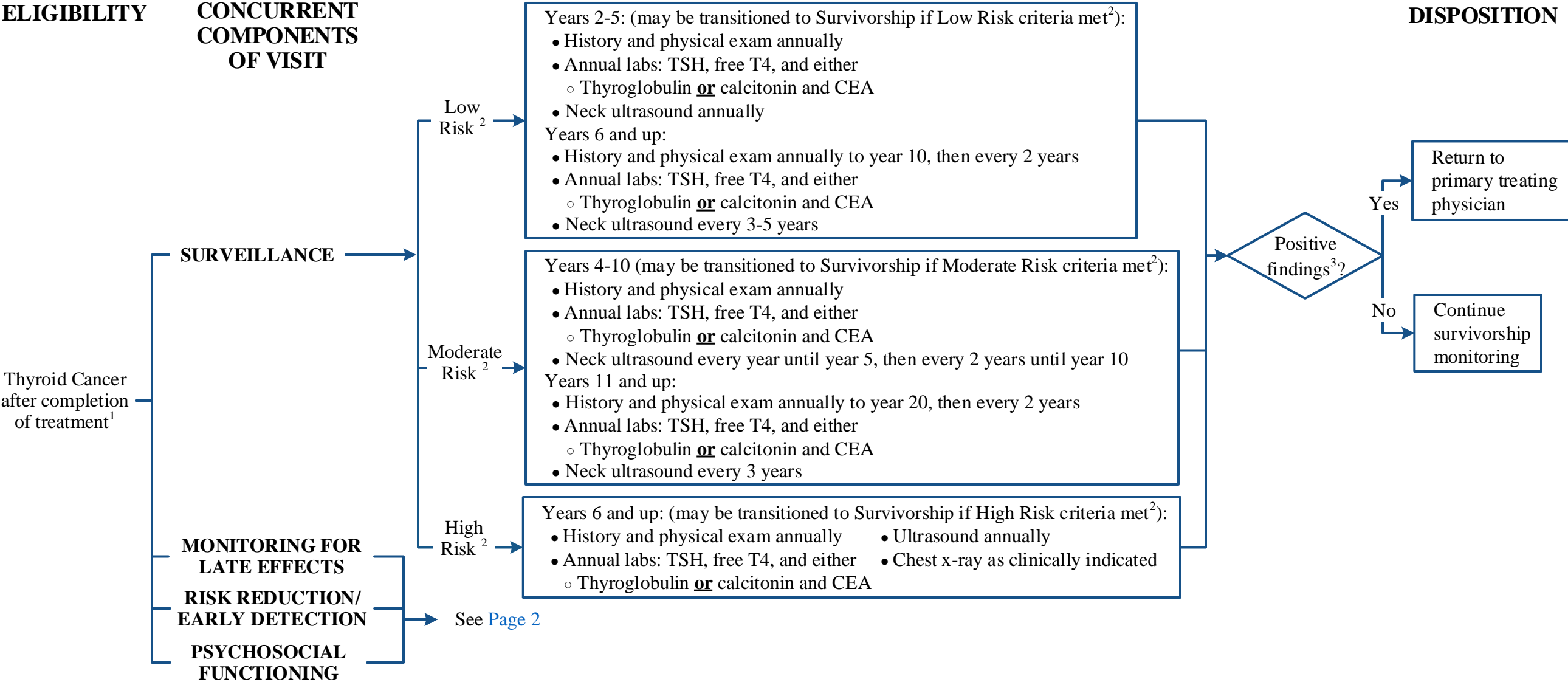


Disclaimer: This algorithm has been developed for MD Anderson using a multidisciplinary approach considering circumstances particular to MD Anderson’s specific patient population, services and structure, and clinical information. This is not intended to replace the independent medical or professional 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.

ELIGIBILITY

CONCURRENT COMPONENTS OF VISIT

DISPOSITION



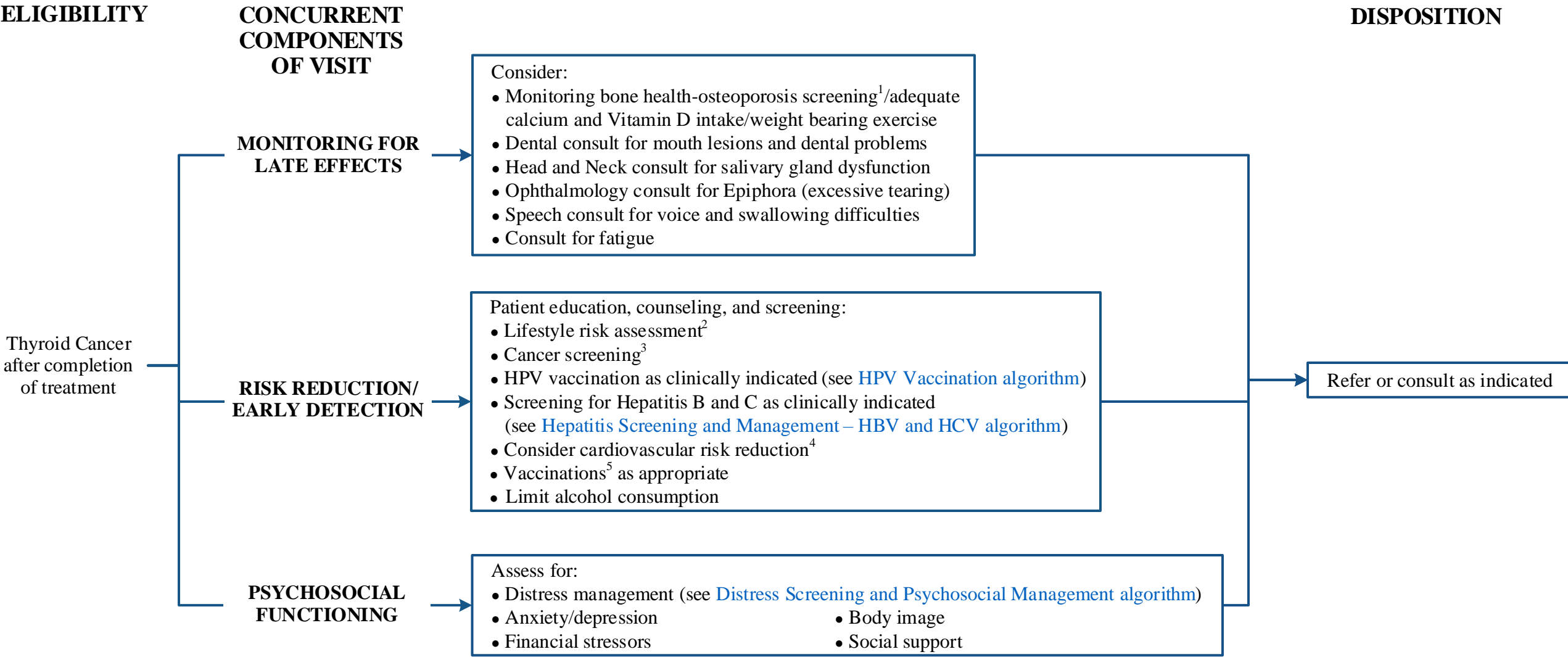
¹ Patients followed and managed in Acute Care Clinic prior to transition to Survivorship
² **Low Risk:** Well differentiated neoplasm of uncertain potential, Noninvasive Follicular Thyroid Neoplasm with Papillary (NIFTP), T1 N0 M0, no evidence of disease (thyroglobulin ≤ 1 or calcitonin ≤ 5; no suspicious lymph nodes or thyroid bed lesions by ultrasound) at 1 year
Moderate Risk: T1N1 M0, T2-4 N0-1 M0, no evidence of disease (thyroglobulin ≤ 1 or calcitonin ≤ 5; no suspicious lymph nodes or thyroid bed lesions by ultrasound) at 3 years
High Risk: T2-4 N0-1 M0, stable minimal evidence of disease (thyroglobulin ≤ 5 or calcitonin ≤ 50; no suspicious lymph nodes or thyroid bed lesions or stable subcentimeter lesions by ultrasound) at 5 years
³ Positive findings: • Enlarging nodules by ultrasound > 1 cm • Rising tumor markers • Biopsy or confirmed recurrence • New evidence of metastases

Department of Clinical Effectiveness V6

Approved by the Executive Committee of the Medical Staff 05/28/2019

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¹ Recommend osteoporosis screening based on the National Osteoporosis Foundation Clinician's Guide 2014 and consider earlier screening as clinically indicated
² See [Physical Activity](#), [Nutrition](#), and [Tobacco Cessation](#) algorithms; ongoing reassessment of lifestyle risks should be a part of routine clinical practice
³ Includes [breast](#), [cervical](#) (if appropriate), [colorectal](#), [liver](#), [lung](#), [pancreatic](#), [prostate](#) and [skin cancer screening](#)
⁴ Consider use of Vanderbilt's [ABCDE's approach to cardiovascular health](#)
⁵ Based on [Centers for Disease Control and Prevention \(CDC\) guidelines](#)

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SUGGESTED READINGS

- Baal, S., Pecina, J. L., Merry, S. P., Kennel, K. A., Maxson, J., Quigg, S., & Thacher, T. D. (2015). US Preventative Services Task Force FRAX threshold has a low sensitivity to detect osteoporosis in women ages 50–64 years. *Osteoporosis International*, 26(4), 1429-1433. doi:10.1007/s00198-015-3026-0
- Centers for Disease Control and Prevention. (2018, March 5). *Recommended immunization schedule for adults aged 19 years or older, United States 2018*. Retrieved from <https://www.cdc.gov/vaccines/schedules/hcp/imz/adult.html>
- Haugen, B., Alexander, E., Bible, K., Doherty, G., Mandel, S., Nikiforov, ... Wartofsky, L. (2016). 2015 American Thyroid Association management guidelines for adult patients with thyroid nodules and differentiated thyroid cancer: The American Thyroid Association Guidelines Task Force on thyroid nodules and differentiated thyroid cancer. *Thyroid*, 26(1), pp.1-133. doi: 10.1089/thy.2015.0020
- Cosman, F., De Beur, S. J., LeBoff, M. S., Lewiecki, E. M., Tanner, B., Randall, S., & Lindsay, R. (2014). Clinician's guide to prevention and treatment of osteoporosis. *Osteoporosis International*, 25(10), 2359-2381. doi: 10.1016/j.jocd.2008.04.003
- Frax, W. H. O. (2008). Fracture risk assessment tool. World Health Organization. Retrieved from <http://www.shef.ac.uk/FRAX/>
- Kloos, R. T., Eng, C., Evans, D. B., Francis, G. L., Gagel, R. F., Gharib, H., ... & Wells Jr, S. A. (2009). Medullary thyroid cancer: Management guidelines of the American Thyroid Association. *Thyroid*, 19(6), 565-612. doi: 10.1089/thy.2008.0403
- National Comprehensive Cancer Network (NCCN) Guidelines Version 3.2018. Thyroid Carcinoma-Follicular Carcinoma (2019). https://www.nccn.org/professionals/physician_gls/pdf/thyroid.pdf
- National Institutes of Health: Office of Dietary Supplements. Dietary supplement fact sheet: calcium. Retrieved from <http://ods.od.nih.gov/factsheets/calcium.asp>
- National Institutes of Health: Office of Dietary Supplements. Dietary supplement fact sheet: vitamin D. Retrieved from <http://ods.od.nih.gov/factsheets/vitamin.asp>
- Siegel, R., Ma, J., Zou, Z., & Jemal, A. (2014). Cancer statistics, 2014. *CA: A Cancer Journal for Clinicians*, 64(1), 9-29. doi: 10.3322/caac.21208
- Vanderbilt Cardio-Oncology Program. (2017). *Know Your ABCDE's*. Retrieved from <http://www.cardioonc.org/2017/08/29/know-your-abcs/>

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DEVELOPMENT CREDITS

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

- Naifa Busaidy, MD (Endocrine Neoplasia and HD)
- Maria E. Cabanillas, MD (Endocrine Neoplasia and HD)
- Robert Gagel, MD (Endocrine Neoplasia and HD)
- Mouhammed A. Habra, MD (Endocrine Neoplasia and HD)[†]
- Mimi Hu, MD (Endocrine Neoplasia and HD)
- Pauline Koinis, BSMT[♦]
- Victor Lavis, MD (Endocrine Neoplasia and HD)
- Paula Lewis-Patterson, DNP, RN, NEA-BC (Cancer Survivorship)[†]
- Johnny Rollins, MSN, APRN, ANP-C (Endocrine Neoplasia and HD)[†]
- Steven I Sherman, MD (Endocrine Neoplasia and HD)[†]
- Jeena Varghese, MD (Endocrine Neoplasia and HD)
- Steven Waguespack, MD (Endocrine Neoplasia and HD)
- Anita Ying, MD (Endocrine Neoplasia and HD)

[†] Core Development Team Lead
[♦] Clinical Effectiveness Development Team