# **Phyllodes Tumor**

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THE UNIVERSITY OF TEXAS

MD Anderson Cancer Center

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.



<sup>1</sup>See Physical Activity, Nutrition, and Tobacco Cessation Treatment algorithms; ongoing reassessment of lifestyle risks should be a part of routine clinical practice

<sup>2</sup> Fine needle aspiration will not distinguish fibroadenoma from phyllodes tumor in most cases. In general, core needle biopsy is the preferred method for diagnostic biopsy.

<sup>3</sup> GCC should be initiated by the Primary Oncologist. If Primary Oncologist is unavailable, Primary Team/Attending Physician to initiate GCC discussion and notify Primary Oncologist. Patients, or if clinically indicated, the Patient Representative should be informed of therapeutic and/or palliative options. 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).

<sup>4</sup> There is no high level evidence to support a margin width of at least 10 mm and an ideal margin width remains to be determined. Re-excision may need to be considered in relation to factors such as tumor characteristics, size, and cosmesis. For benign pathology, re-excision of a negative margin is not recommended regardless of margin width. See Suggested Readings for updated information.

<sup>5</sup> Obtain molecular sequencing if patient is eligible for clinical trials. For patients with malignant phyllodes tumor or stromal overgrowth on pathology review, referral to a multidisciplinary sarcoma center is appropriate. Refer to Breast Sarcoma algorithm.

<sup>6</sup> Recommend review by pathologist experienced in phyllodes tumor and to correlate with imaging findings and physical examination. Core biopsy may not provide definitive evaluation (tumor heterogeneity and inability to assess for infiltrating margins). Cases are discussed at the Multidisciplinary Clinical Management Conference (CMC) for Benign Breast Lesions for management recommendations.

<sup>7</sup> Excisional biopsy if recommended at CMC. Excisional biopsy includes complete mass removal, but without the intent of obtaining widely negative surgical margins.

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Department of Clinical Effectiveness V10 Approved by Executive Committee of the Medical Staff on 10/17/2023

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Note: Consider Clinical Trials as treatment options for eligible patients.



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<sup>3</sup> There is no prospective randomized data supporting the use of radiation treatment with phyllodes tumor. However, in the setting where additional recurrence would create significant morbidity (*e.g.*, chest wall recurrence following salvage mastectomy) radiation therapy may be considered, following the same principles that are applied to the treatment of soft tissue sarcoma. Radiation therapy is considered for malignant phyllodes tumor after wide local excision lesions over 2 cm or after mastectomy for lesions over 5 cm based on the retrospective review of 478 patients analyzed by Pezner, *et al.*, 2008.

![](_page_2_Picture_0.jpeg)

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## SUGGESTED READINGS

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![](_page_3_Picture_0.jpeg)

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### **DEVELOPMENT CREDITS**

This practice algorithm is based on majority expert opinion of the Breast Center providers at the University of Texas MD Anderson Cancer Center. It was developed using a multidisciplinary approach that included input from the following:

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