

- [Home](#)
- [SF STAT!](#)
- [Current Articles](#)
- [CURRENT ISSUE](#)
- [Online Newspapers](#)
- [WEEKLY NEWSLETTERS](#)
- [Media Kit](#)
- [Calendar](#)
- [Business Directory](#)
- [Video Interviews](#)
- [Contact](#)

Select Page

## Patients with multiple tumors in one breast may not need mastectomy, research finds

March 28, 2023 – Patients who have multiple tumors in one breast may be able to avoid a mastectomy if the tumors can be removed while leaving enough breast tissue, according to research led by the [Alliance in Clinical Trials in Oncology](#) and [Mayo Clinic Comprehensive Cancer Center](#). Patients would receive breast-conserving therapy: a [lumpectomy](#) followed by whole-breast [radiation therapy](#), rather than mastectomy. The study is published in the [Journal of Clinical Oncology](#).

[Watch: Dr. Judy Boughey discusses the new study](#)

“I am excited about these findings because it will empower patients and the multidisciplinary care teams caring for patients to be thinking about this option for women who may want to preserve their breast,” says [Judy Boughey, M.D.](#), lead author and breast surgical oncologist, and the W.H. Odell Professor of Individualized Medicine. “Some patients may still prefer or require a mastectomy, and that is a perfectly fine approach. But being able to provide more patients diagnosed with [breast cancer](#) with a choice is a great step forward.”

The prospective, single-arm trial, a study where all women enrolled in the trial are treated the same way, looked at data from 204 eligible women over 40 that had two or three separate areas of breast cancer in the same breast and were interested in breast conservation. All patients had a preoperative mammogram and/or ultrasound, and all but 15 had a breast MRI. They had lumpectomies to remove tumors, followed by whole-breast radiation with radiation boost to each lumpectomy site. The women were observed for five years for subsequent breast cancer events.

The data after five years showed that at a median follow-up of 66.4 months, six patients had a local recurrence. The rate of cancer local recurrence was 3.1%. This is an excellent outcome and is similar to the local recurrence rate for patients with a single tumor in a breast who had breast-conserving therapy, Dr. Boughey says.

Historically, women with multiple tumors in one breast have been advised to have a mastectomy. Now, patients can be offered a less invasive option with faster recovery, resulting in better patient satisfaction and cosmetic outcomes, Dr. Boughey says.

An additional finding is that the local recurrence rate was lower in patients who had a preoperative MRI than in those who did not have an MRI before surgery. For patients who have two or three tumors in a breast and are considering breast

conservation, an MRI before surgery should be considered to ensure there is not more extensive disease, Dr. Boughey says. Several other factors, such as breast size, will influence whether a patient would be able to be offered breast-conserving therapy, she adds.

This is a phase II clinical trial through the Alliance of Clinical Trials in Oncology, supported by the National Cancer Institute through the National Clinical Trials Network. Research reported in this publication was supported by the National Cancer Institute of the National Institutes of Health under Award Numbers U10CA180821 and U10CA180882 (to the Alliance for Clinical Trials in Oncology), UG1CA189869, UG1CA232760, UG1CA233180, UG1CA233290, UG1CA233323, UG1CA233329, and UG1CA233373.

### **About Mayo Clinic Comprehensive Cancer Center**

Designated as a comprehensive cancer center by the [National Cancer Institute](#), [Mayo Clinic Comprehensive Cancer Center](#) is defining new boundaries in possibility, focusing on patient-centered care, developing novel treatments, training future generations of cancer experts and bringing cancer research to communities. At Mayo Clinic Comprehensive Cancer Center, a culture of innovation and collaboration is driving research breakthroughs that are changing approaches to cancer prevention, screening and treatment, and improving the lives of cancer survivors.

### **About Mayo Clinic**

[Mayo Clinic](#) is a nonprofit organization committed to innovation in clinical practice, education and research, and providing compassion, expertise and answers to everyone who needs healing. Visit the [Mayo Clinic News Network](#) for additional Mayo Clinic news.

### **About Alliance for Clinical Trials in Oncology**

The Alliance for Clinical Trials in Oncology develops and conducts clinical trials with promising new cancer therapies and utilizes the best science to develop optimal treatment and prevention strategies for cancer, as well as research methods to alleviate the side effects of cancer and cancer treatments. The Alliance is part of the National Clinical Trials Network (NCTN) sponsored by the National Cancer Institute (NCI) and serves as a research base for the NCI Community Research Oncology Program (NCORP). The Alliance comprises nearly 10,000 cancer specialists at hospitals, medical centers, and community clinics across the U.S. and Canada. For more learn more about the Alliance, visit [AllianceforClinicalTrialsinOncology.org](http://AllianceforClinicalTrialsinOncology.org).

**BY:** Kelley Luckstein, Mayo Clinic Communications, [newsbureau@mayo.edu](mailto:newsbureau@mayo.edu)

South Florida Hospital News and Healthcare Report's number one goal is top quality healthcare journalism written and edited for the region's most successful, powerful healthcare business executives and professionals.



Phone : [561-368-6950](tel:561-368-6950)

Fax : [561-368-6978](tel:561-368-6978)

- [Home](#)
- [About](#)
- [CURRENT ISSUE](#)
- [Media Kit](#)
- [Video News](#)
- [Datebook](#)
- [Calendar](#)

- [Business Directory](#)
- [Webinars](#)
- [Contact](#)

Copyright © 2021 Florida Hospital News and Healthcare Report.  
Site Designed By