

What is the Magseed® marker and how does it work?

A Magseed® marker is a magnetic, unbreakable seed used by health care facilities in the surgical treatment of breast cancer and other breast findings that are recommended for surgical care.

It's extremely small—smaller than a single grain of rice. For that reason, it cannot be felt after being placed in your breast before surgery.



Magseed® marker size comparison

What to expect from surgery with the Magseed® marker

If you have a non-cancerous finding in the breast recommended for removal or an early-stage breast cancer that is not able to be felt, you may be offered surgery where only some breast tissue is removed—also known as an excisional biopsy or lumpectomy (partial mastectomy).

This is a surgical treatment that aims to completely remove the breast finding or cancer in one piece and leaves behind as much healthy tissue as possible. This technique is less invasive and often has better cosmetic outcomes.

What is an excisional biopsy versus lumpectomy (or partial mastectomy)?

An excisional biopsy is the surgical removal of a breast lesion not known to be cancer for additional evaluation. It does not require removal of a surrounding margin of healthy tissue.

A lumpectomy (partial mastectomy) is a breast cancer treatment that surgically removes the tumor in one piece, as well as a thin margin of healthy tissue around it to help ensure no tumor cells are left behind.

The amount of tissue that is removed in each of these procedures will depend on the size of the tumor or non-cancerous breast finding and its location.

Placing of the seed in radiology

If a clip was placed at the time of your breast biopsy, it is not able to be seen or felt from the surface of your breast and is not detectable during surgery.

For the surgeon to know the exact location of breast tissue to remove, there are a few tools that can be used to 'mark' it. One of these is the Magseed® marker ("seed").

The seed will be placed near the center of the breast tissue to be removed (or two seeds are used to bracket the area like bookends).

Think of it like a GPS (or a metal detector at the beach), directing your surgeon to exactly where they need to go.

You will attend a seed placement appointment in radiology hours to days before your surgery. When the seed is placed, an anesthetic (local numbing medicine) will be applied to the area of your body where the seed will be injected. Your radiologist will then use an ultrasound or mammogram machine to identify the area of the breast to be marked by the seed. They will then insert the seed into the area through a needle. This is similar to how the biopsy clip was placed at the end of your breast biopsy, which is typically easier for the patient.

After your seed has been inserted, you should be able to carry on life as normal up to your date of surgery.

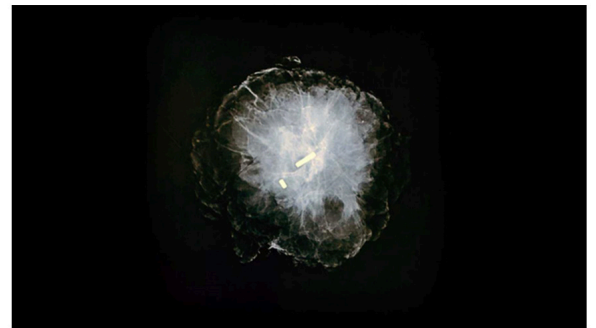
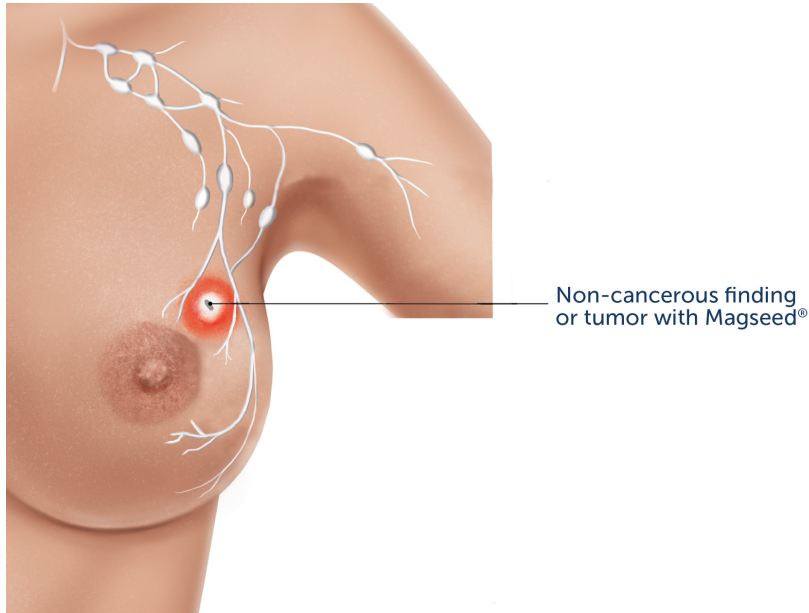
Once you are in the operating room, your surgeon will use your radiology images to show them where the seed and tissue to be removed are in your breast.

Removing the seed during surgery

The surgery to remove the breast tissue with the seed is a routine procedure for a breast surgeon.

During the surgery, your surgeon will use a probe to detect and locate the previously placed seed in your breast. The probe is like a small metal detector guiding the surgeon to the tissue with the seed and lesion for removal.

A Xray of the tissue is taken to confirm removal of the seed and lesion.



An x-ray image of a breast tissue after surgical removal with the Magseed®

What happens after the surgery?

Once the breast tissue has been removed, it will be sent to pathology for examination under the microscope.

If pathology shows cancer, the edges of the removed tissue will be examined. If there is cancer seen at the edge of the removed tissue, you may be recommended to return for a second surgery to remove more tissue. The need to return for a second surgery is not common.

For more information:

Please ask your surgeon or the hospital team or visit: <https://www.endomag.com/patients/>