

General Surgery & Surgical Oncology

MammoSite

What is MammoSite 5-Day Targeted Radiation Therapy?

The MammoSite® Radiation Therapy System received FDA clearance in 2002. Since then, over 50,000 women have been treated. MammoSite Targeted Radiation Therapy works from the inside, meaning that a higher daily dose can be used for a shorter period of time – 5 days vs. 5-7 weeks.

Advantages of MammoSite

- Treatment with MammoSite 5-Day Targeted Radiation Therapy can help you get back to your normal life sooner – just 5 days vs. 5-7 weeks.
- MammoSite places the radiation source inside the **lumpectomy cavity** (the space left when a tumor is removed). This delivers radiation to the area where cancer is most likely to recur.³
- Clinical trials for the MammoSite Radiation Therapy System have shown it to be well tolerated, with mild side effects for a short period of time.⁵
- The therapy is given on an outpatient basis. No hospital stay is required.
- 5-year Initial Clinical Trial Results (N=43):⁶
 - No local recurrences
 - 83.3% of the patients had good/excellent cosmetic results
 - 100% of patients in the initial clinical trial would recommend MammoSite to a friend or family member.

100% of patients in the initial clinical trial would use MammoSite again if they had to do it over.

How It Works

View a demonstration of this procedure.

MammoSite 5-Day Targeted Radiation Therapy simplifies breast cancer treatment

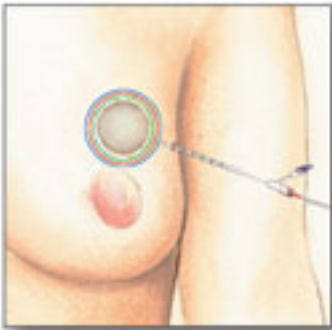
1. Placement



After the breast cancer tumor is removed (lumpectomy), a small, soft MammoSite balloon attached to a thin tube (catheter) is placed inside the lumpectomy cavity through a small incision in the breast.

- The balloon is “inflated” with saline solution so that it fits snugly into the cavity. It remains inflated during the 5-day treatment.
- A small portion of the catheter remains outside the breast; this is secured to a cushioned gauze pad to prevent movement of the catheter.

2. Treatment



- Treatment is planned by a radiation oncologist who will take images of the MammoSite balloon catheter in the breast and determine the amount of radiation needed.
- During therapy, the portion of the catheter that remains outside your breast is connected to a computer-controlled High Dose Rate (HDR) machine that inserts a radiation “seed” to deliver the therapy.
- Once therapy is complete, the seed is removed, the catheter is unplugged, and you will be free to return to your normal daily activities.
- No radiation remains inside your breast in between treatments.

3. Removal



- After 5 days of treatment, your MammoSite balloon catheter will be removed, usually on the last day of treatment.

The balloon is gently removed through the same incision made to place it.

When should I call my health care provider?

Call your provider right away if:

- You develop a fever.
- You experience a foul odor from surgical site.
- Your wound becomes red, tender, or swollen, or it drains fluid.
- You can't control your pain or the pain is getting worse.

Call during office hours if:

- You have questions about the procedure or its result.
- You want to make another appointment.