



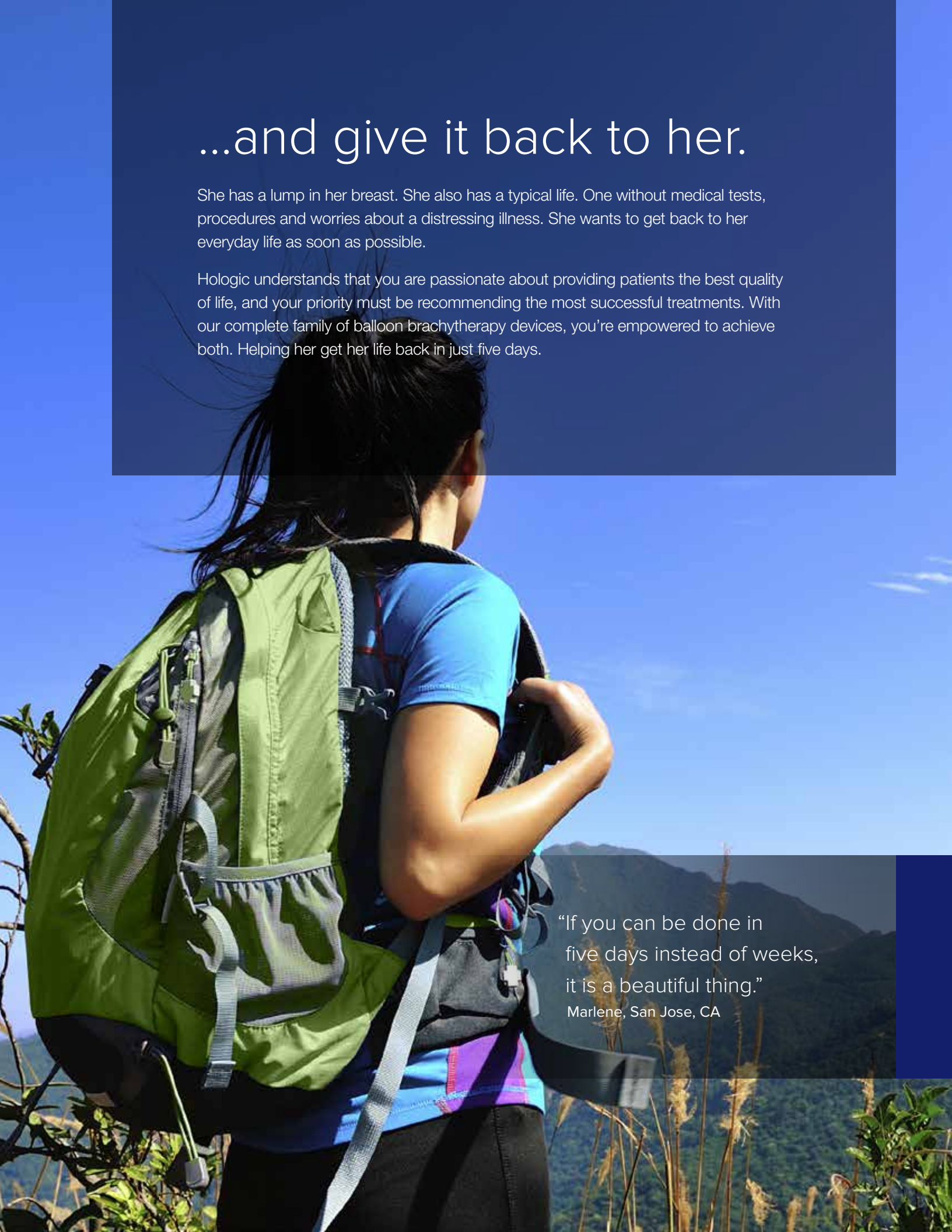
Five days to change her life...

5-Day Targeted Radiation Therapy

# ...and give it back to her.

She has a lump in her breast. She also has a typical life. One without medical tests, procedures and worries about a distressing illness. She wants to get back to her everyday life as soon as possible.

Hologic understands that you are passionate about providing patients the best quality of life, and your priority must be recommending the most successful treatments. With our complete family of balloon brachytherapy devices, you're empowered to achieve both. Helping her get her life back in just five days.

A woman with long dark hair, wearing a blue t-shirt and a large green backpack, is seen from the back, looking out over a vast mountain range under a clear blue sky. The scene is bright and sunny, with some dry grass in the foreground.

“If you can be done in five days instead of weeks, it is a beautiful thing.”

Marlene, San Jose, CA

# Improving patient care

Hologic 5-Day Targeted Radiation Therapy solutions are the most widely utilized and accepted method of Accelerated Partial Breast Irradiation (APBI).<sup>4</sup> Now with an expanded portfolio of balloon brachytherapy devices, we can help you offer your early-stage breast cancer patients more compassionate options compared to alternative methods of APBI.

## Efficient

- Works inside the breast, targeting the area where cancer is most likely to recur, sparing healthy tissue and organs from the effects of radiation.<sup>1</sup>
- Delivers optimal clinical outcomes, resulting in fewer side effects compared to traditional whole breast irradiation.<sup>2</sup>

## Versatile

- Offers an optional seroma management port as well as five catheters ranging in size from 3.5 – 6.0 cm in diameter, with a broad range of inflation volumes that allow you to treat a variety of cavity shapes and sizes.
- Multi-lumen balloon catheters improve patient outcomes, allowing more women to be treated with 5-Day Targeted Radiation Therapy.

## Simple

- Expedites radiation treatment from five to seven weeks to just five days.
- Provides simplified catheter insertion facilitated by an optional introducer sheath and multiple trocar configurations.



Contura® multi-lumen balloons



MammoSite® multi-lumen targeted radiation therapy system



MammoSite® targeted radiation therapy system



of patients in the initial clinical trial said that they would recommend Hologic 5-Day Targeted Radiation Therapy or use it again if they had to do it over.<sup>3</sup>



# Proven technology

Satisfy your clinical requirements and her need for more convenient care.

**Twelve years of clinical experience.**

**Seven years of clinical data.**

A recent study by the American Society of Breast Surgeons (ASBS) shows that targeted balloon-based radiation therapy (MammoSite® targeted radiation therapy system) demonstrates positive outcomes at seven years. In fact, it “compared favorably with other forms of APBI with similar follow-up and to outcomes seen in selected patients treated with whole breast irradiation.”<sup>2</sup> So rather than five to seven weeks of radiation – or potential reconstructive surgery – you can offer your early-stage breast cancer patients a solution that directly targets the lumpectomy cavity, where the cancer is most likely to recur. You’ll spare your patient’s healthy tissue and organs from the effects of whole breast radiation, while providing her a more convenient therapy treatment.

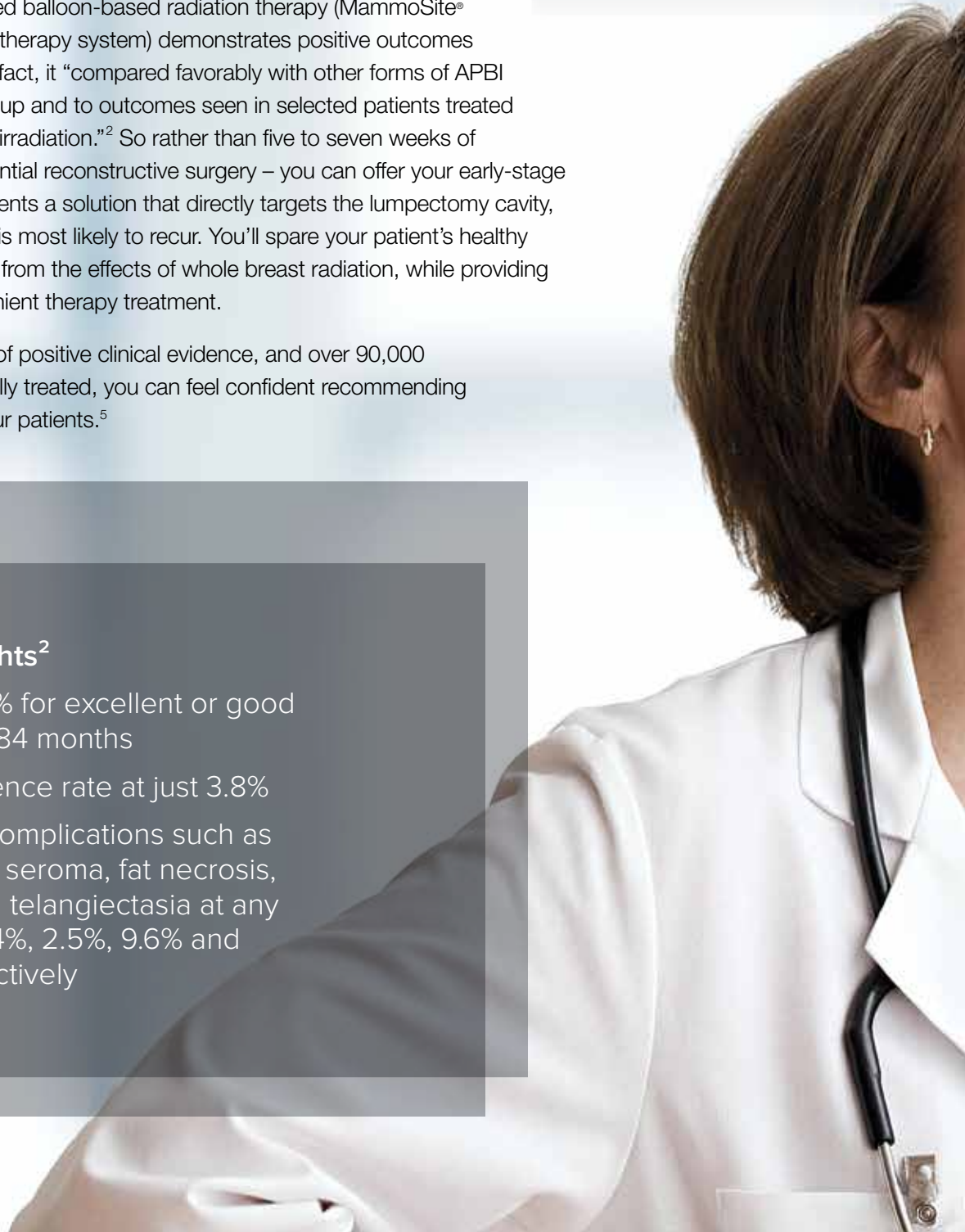
With seven years of positive clinical evidence, and over 90,000 women successfully treated, you can feel confident recommending this solution to your patients.<sup>5</sup>

# 90,000+

women have been  
successfully treated  
with Hologic  
5-Day Targeted  
Radiation Therapy<sup>4</sup>

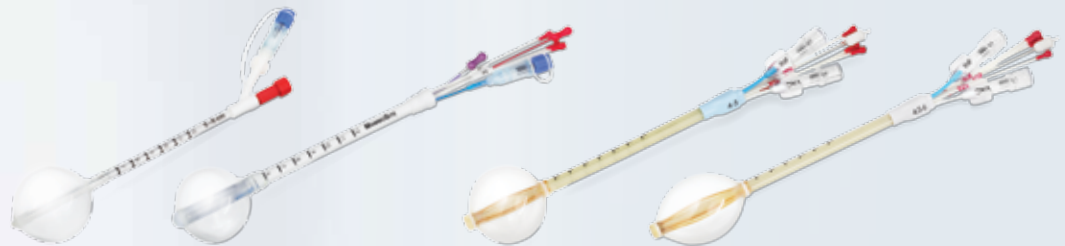
## Study highlights<sup>2</sup>

- Rate of 90.6% for excellent or good cosmesis at 84 months
- Local recurrence rate at just 3.8%
- The rate of complications such as symptomatic seroma, fat necrosis, infection and telangiectasia at any time was 13.4%, 2.5%, 9.6% and 13.0%, respectively



# The choice is yours

Hologic recognizes that you have preferences when it comes to balloon brachytherapy products, so we offer a choice: MammoSite® targeted radiation therapy systems in single or multi-lumen (ML) balloon catheters or Contura® multi-lumen balloon (MLB) catheters. The multi-lumen devices are designed to improve dosimetric coverage of the intended target and to reduce the dose to her rib and skin.



MammoSite and MammoSite  
ML balloon catheters

Contura MLB catheters

“I am so glad I went with a short 5-day course. If I had to have radiation over six weeks or more, it would have been a daily reminder of my cancer. This helped me move on with my life so much sooner. My family got their mom and wife back!”

Michele, Webster, NY

# A confident choice

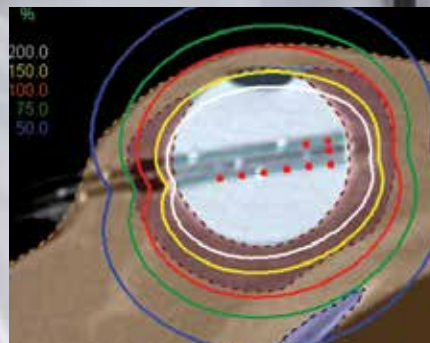
Our multi-lumen balloon brachytherapy applicators are **the only single-insertion APBI technologies that meet or exceed B-39 dosimetric guidelines**.<sup>5,6</sup> As such, they allow you to easily satisfy the current clinical recommendation that the dose to the skin be maintained at less than 125% of the prescription dose.

## Treatment planning with MammoSite® ML system

### Multiple offset lumens allow for dosimetric optimization to minimize skin dose.

MammoSite ML system provides exceptional coverage to targeted tissue, while minimizing radiation exposure to healthy tissue.

Skin distance: 3 mm	V95: 95.3%
Skin dose: 107%	V150: 24.0 cc
Rib distance: 14 mm	V200: 8.0 cc
Rib dose: 80%	



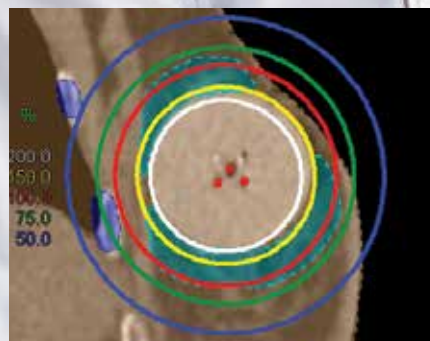
Axial view

## Treatment planning with Contura® MLB catheter

### Five individual treatment lumens enable ability to shift the isodose curve from the chest wall.

The Contura MLB catheter reduces the dose to the chest wall below the published recommended 145% of the prescribed dose.

Skin distance: 2.5 mm	V95: 95.1%
Skin dose: 113%	V150: 27.6 cc
Rib distance: 9 mm	V200: 5.0 cc
Rib dose: 91.5%	



Oblique sagittal view through center, thinnest skin



# A comprehensive solution

When you choose to treat her with Hologic 5-Day Targeted Radiation Therapy, we provide you our comprehensive product portfolio, supporting you with everything you need to treat her safely and efficiently.

## Cavity Evaluation Device (CED) or Cavity Maintenance Catheter (CMC)



MammoSite® CED



Contura® CMC

An easy-to-use surgical tool facilitating balloon catheter exchange

- Helps assess lumpectomy cavity and aids in the selection of appropriate treatment balloon
- Allows assessment of skin spacing and conformance
- Preserves integrity of pathway to lumpectomy cavity
- May be left in the cavity as a placeholder until exchanged for treatment balloon

## Sample patient flow – 12-day plan

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
<b>1</b> Lumpectomy with CED/CMC placement	<b>2</b>	<b>3</b>	<b>4</b> (POD3) Pathology and CED/CMC with catheter exchange	<b>5</b> Rad Onc CT scan Tx planning	<b>6</b>	<b>7</b>
<b>8</b> Begin RT 340 cGy x2	<b>9</b> RT 340 cGy x2	<b>10</b> RT 340 cGy x2	<b>11</b> RT 340 cGy x2	<b>12</b> RT 340 cGy x2 Patient completes therapy - remove catheter	<b>13</b>	<b>14</b>

12-day plan courtesy of Peter Blumencranz, MD, FACS

# Our commitment to your success

Beyond compassionate care and innovative technology, Hologic stands behind every product with expert after-sales support and education. When you help your patients with our 5-Day Targeted Radiation Therapy solutions, you can count on our help, too.

- **Physician Training and Education:** Online product training, medical education webinars and treatment planning tools are available for you and your practice.
- **Patient Education:** Your patients will have access to a volunteer network of over 100 breast cancer survivors who can share their experiences with 5-Day Targeted Radiation Therapy.
- **Marketing:** Our Online Marketer's Toolbox includes patient education resources and customizable marketing and communication materials.
- **Dedicated Health Economics Team:** You will have access to our health economics experts and reimbursement hotline for questions regarding coding, billing and claims.

**References:** 1. King TA, Bolton JS, Kuske RR, et al. Long-term results of wide-field brachytherapy as the sole method of radiation therapy after segmental mastectomy for Tis1,2 breast cancer. *Am J Surg.* 2000; 180:299-304. 2. Shah C, Badiyan S, Ben Wilkinson J, Vicini F, Beitsch P, Keisch M, Arthur D, Lyden M. Treatment Efficacy with Accelerated Partial Breast Irradiation (APBI): Final Analysis of the American Society of Breast Surgeons MammoSite® Breast Brachytherapy Registry Trial. *Ann Surg Oncol.* 2013 Aug 22. [Epub ahead of print] PubMed PMID: 23975302 3. Benitez PR, Keisch ME, Vicini F, Stoler A, Scroggins T, Walker A, et al. Five-year results: the initial clinical trial of MammoSite® balloon brachytherapy for partial breast irradiation in early-stage breast cancer. *Am J Surg.* 2007;194:456-62. 4. Data on file - based on sales history from 2005-2016. 5. LuSM, ScanderbegDJ, BarnaP, YasharW, YasharC .Evaluation of Two Intracavitary high-dose-rate Brachytherapy Devices for Irradiating Additional and Irregularly Shaped Volumes of Breast Tissue. Article In Press *Medical Dosimetry* (2011),p3. 6. 05/27/11 – Technical Information Bulletin regarding the National Surgical Adjuvant Breast and Bowel Project (NSABP) and the Radiation Therapy and Oncology Group (RTOG) issued amendment #5 to the current NSABP-39/RTOG 0413 Phase III study.