



Determining Contura Multi-Lumen Balloon Size

Prior to the insertion of a Contura MLB for partial breast irradiation, it is important to select a balloon appropriately sized to enhance balloon to tissue conformance. The following instructions are based on information that has been provided to SenoRx by physicians who have significant experience with the Contura MLB. Please consult your local sales representative should you need more specific instructions regarding sizing of the Contura MLB.

For maximum effectiveness in sizing a balloon for a given cavity, please consider the following before initial insertion of the Contura MLB:

FOR POST LUMPECTOMY – ULTRASOUND GUIDED PLACEMENT:

1. **Locate cavity under ultrasound guidance.** Confirm post lumpectomy cavity.
2. **Determine the appropriateness of the cavity.** It is important to remember that not all cavities are uniform or have the appropriate shape for balloon brachytherapy. As such, it is important to evaluate the cavity prior to attempted Contura MLB placement. Furthermore, the initial appearance of a cavity can be deceiving:
 - If the cavity appears too small to accommodate the 4-5cm Contura, inject saline or lidocaine directly into the cavity under ultrasound guidance to determine if it will dilate to an acceptable size.
 - If the cavity appears too large, use a needle to aspirate fluid from the cavity under ultrasound guidance to determine if it will collapse to an acceptable size.

The surgeon will know best whether or not the aforementioned techniques are necessary by noting the approximate size of the cavity at time of lumpectomy.

3. **Sizing the balloon.** It is important to size the balloon appropriately using cavity measurement under ultrasound guidance:
 - Use the 4-5 cm Contura MLB when the cavity measures 3 to 4 cm maximum length in two dimensions.
 - Use the 4.5-6 cm Contura MLB when the cavity measures 4 to 6 cm maximum length in two dimensions.

These are minimum and maximum guidelines. Bear in mind that at times either size may accommodate the cavity.

FOR POST LUMPECTOMY – PLACE HOLDER BALLOON EXCHANGE:

If a Cavity Evaluation Device or place holder balloon is going to be used intra operatively at the time of lumpectomy, it is at this time that the surgeon should determine the size of the Contura MLB. Based on visualization of a balloon within the cavity, the surgeon should determine whether a 4-5 cm Contura MLB or a 4.5-6cm Contura MLB would be appropriate at the time of Cavity Evaluation Device or place holder balloon exchange.