Successful embolization of hypervascular hepatic metastases from breast cancer using LC BeadM1®

Maureen P Kohi, MD
UCSF Medical Center, San Francisco CA

Presentation

- 56-year-old female patient with chemorefractory liver metastases from breast cancer. The patient’s liver metastases had progressed on numerous chemotherapeutic regimens. She had disease involving the right and the left hepatic lobes.

Treatment

- The patient underwent selective embolization of the right lobe followed by the left hepatic arterial branches supplying the tumors. The right lobe was treated first, as it had the bulk of the disease. Two weeks following treatment of the right lobe, the left lobe was treated. Each treatment session was performed with two vials of LC BeadM1® 70-150 micron diameter beads.

Outcome

- Contrast-enhanced CT scan of the abdomen and pelvis was performed one month following the last treatment. This demonstrated interval decrease in the size of the target lesions in addition to decrease in their enhancement consistent with partial response.

Conclusion

- Selective embolization of multiple bilateral hepatic metastatic lesions was performed using LC BeadM1® with excellent treatment response.
**Physician Profile**

Maureen P Kohi, MD

UCSF Medical Center

Specialty: Interventional Radiology

Academic Appointments: Assistant Professor of Clinical Radiology, University of California, San Francisco

- **Medical School:** New York Medical College, Valhalla, NY
- **Internship:** Medicine, California Pacific Medical Center, SF, CA
- **Residency:** Radiology, University of California, San Francisco
- **Fellowship:** Interventional Radiology, University of California, San Francisco
- **Fellowship:** Women’s Imaging, University of California, San Francisco

**Ordering Information:**

<table>
<thead>
<tr>
<th>Product Name</th>
<th>LC Bead®</th>
</tr>
</thead>
<tbody>
<tr>
<td>Label Color and Size</td>
<td>70-150µm</td>
</tr>
<tr>
<td>Volume of Beads</td>
<td>2ml</td>
</tr>
<tr>
<td>Product Code</td>
<td>VE020GS</td>
</tr>
</tbody>
</table>

**Indications:**

LC Bead® and LC BeadM® are intended to be used for the embolization of hypervascular tumors and arteriovenous malformations (AVMs).

**Cautions:**

- Do not use if the vial or packaging appear damaged
- Sterile and single use product. Do not reuse
- Select the size and quantity of LC Bead® or LC BeadM® microspheres appropriate for the pathology to be treated
- Ensure that LC BeadM® is an appropriate size for the intended vasculature
- Monitor patients carefully for signs of non-target embolization such as hypoxia or CNS changes
- Consider up-sizing LC BeadM® if angiographic evidence of embolization does not appear quickly during delivery

- Embolization with LC Bead® and LC BeadM® microspheres should only be performed by physicians who have received appropriate interventional occlusion training in the region intended to be embolized

**For instructions for use, please refer to www.lcbead.com/ifu and www.lcbeadm1.com/ifu**

**Potential Complications:**

1. Undesirable reflux or passage of LC Bead® or LC BeadM® into normal arteries adjacent to the targeted lesion or through the lesion into other arteries or arterial beds, such as the internal carotid artery, pulmonary, or coronary circulations
2. Non-target embolization
3. Pulmonary embolization
4. Ischemia at an undesirable location
5. Capillary bed saturation and tissue damage
6. Ischemic stroke or ischemic infection
7. Visual or vision rupture and hemorrhage
8. Neurological deficits including visual nerve palsies
9. Vasospasm
10. Death
11. Recanalization
12. Foreign body reactions necessitating medical intervention
13. Infection necessitating medical intervention
14. Clot formation at the tip of the catheter and subsequent dislodgement

**Caution:** Federal (USA) law restricts this device to sale by or on order of a physician.