Bead Block® embolic agent offers:

- Proven performance for the embolization of hypervascular tumors and arteriovenous malformations (AVMs)
- Blue-tinted beads, in prefilled, color-coded syringes for added convenience and safety
- Precisely calibrated sizing for effective and accurate embolization
- Compressible spherical embolic with 100% elastic shape recovery for easier delivery
- Confidence of product and clinical support from BTG – leaders in embolization technology

References:

Important Information
Indications:
Bead Block® is intended to be used for the embolization of hypervascular tumors and arteriovenous malformations (AVMs).

Potential Complications:
1. Undesirable reflux or passage of Bead Block® 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. Pulmonary embolization.
3. Ischemia at an undesirable location.
4. Capillary bed saturation and tissue damage.
5. Ischemic stroke or ischemic infarction.
6. Vessel or lesion rupture and hemorrhage.
7. Neurological deficits including cranial nerve palsies.
8. Vasospasm.
10. Recanalization.
11. Foreign body reactions necessitating medical intervention.
12. Infection necessitating medical intervention.
13. Use of the catheter at the tip of the catheter and subsequent dislodgement.

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

Bead Block® Ordering Information
2ml Bead Block® is suspended in physiological buffered saline in 20ml syringe and is packed singly.

For more information or to order, please contact:
Customer Service
Biocompatibles, Inc.
Five Tower Bridge
Suite 810
300 Barr Harbor Drive
West Conshohocken, PA, 19428
USA

Phone: (877) 626-9989
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Bead Block®: Embolization of hypervascular renal tumors in combination therapy

**Bead Block® embolic agent offers the benefits associated with targeted occlusion of renal vessels and is ideally suited for super-selective arterial embolization. Studies have demonstrated that super-selective embolization of renal tumors prior to resection or ablation may offer the following benefits:**

- Preservation of renal function
- Reduced probability of bleeding
- Reduced RFA heat sink effect
- Eliminate the need to clamp renal vessels

**Bead Block® + Partial Nephrectomy**
- Eliminate the requirement to clamp the renal artery during procedure
- Avoid risks associated with exceeding the warm ischemia time (WIT) threshold

**Bead Block® + Cryoablation**
- Reduce the risk of bleeding and bleeding-related complications following renal cryoablation
- Increase the feasibility, safety and effectiveness of cryoablation of very large (>5cm) renal tumors

**Bead Block® + Radiofrequency Ablation**
- Reduce the risk of bleeding and bleeding-related complications following RFA
- Reduce the RFA “heat sink” effect
- Achieve a larger volume of necrosis

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**Preoperative SEA [super-selective arterial embolization] allows us to perform LPN [laparoscopic partial nephrectomy] without clamping hilum vessels and so avoiding ischemic damage that is the main limiting step of this procedure for an experienced surgeon.**


**STE [super-selective transarterial embolization] significantly simplifies LPN and combines the advantages of excellent bleeding control without any ischemia and thus without time thresholds within which to perform tumor excision.**


**Although this does not argue that all large renal tumors should undergo pre-embolization, it does suggest that pre-embolization can reduce post-cryoablation hemorrhage.**


**The combination of RF ablation and embolization in tumors larger than 2.5cm in diameter is regarded to be of some advantage. Devascularization presumably allows the creation of a larger necrotic volume and less energy is needed to completely destroy the tumor. Therefore, the remaining parenchyma is less exposed to possible detrimental effects of heating.**