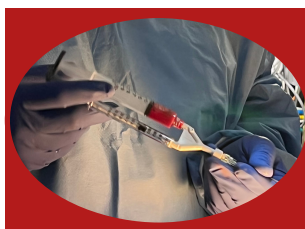
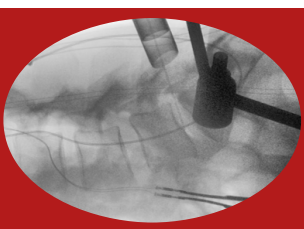


Enhancing Your Spinal Recovery: The BMAC Option



Why consider BMAC with your discectomy?

You are scheduled for a lumbar discectomy, a highly successful procedure designed to relieve pain by removing a disc herniation. While the surgery addresses the immediate nerve pressure, it does not always resolve the underlying disc degeneration that contributed to the injury.

By adding Bone Marrow Aspirate Concentrate (BMAC)— known to contain Mesenchymal Stem Cells (MSCs)—to your procedure, we aim to address this underlying degeneration and potentially prevent future back pain.

What are Mesenchymal Stem Cells (MSCs)?

MSCs are "progenitor" cells found in high concentrations within your bone marrow. These cells are remarkable because they have the natural ability to transform into various types of connective tissue, including the specific tissue found in your intervertebral discs.

When placed into the disc environment, these cells receive signals and may help regenerate healthy disc tissue.

The Procedure: A Seamless Addition

Choosing this option does not require a separate surgery. The process is performed entirely while you are under anesthesia for your discectomy:

- 1. Harvesting:** A small amount of bone marrow is collected from your iliac crest (hip bone).
- 2. Processing:** While your surgeon performs the discectomy, the harvested tissue is centrifuged in the operating room to concentrate the MSC-rich stroma.
- 3. Application:** Once the discectomy is complete, the concentrated cells are injected directly into the disc.

Contact Information

If you would like to include BMAC as part of your surgical plan, please contact our clinical team.



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