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FEMORAL HEAD DECOMPRESSION AND BONE GRAFT INJECTION USING NEW KIT

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Background:

Avascular necrosis (AVN) of the femoral head is a pathologic process resulting from interruption of blood supply to bone. It can result from chemotherapeutic agents used for treatment of different cancer especially leukemia.

Material and Methods:

16 patients and 21 Femoral head AVN, (Ficat stage I to early III) were treated using the Core decompression kit followed by injection with bone graft material Cortoss or Hydroset, 8 hips were stage III, 9 stage II and 4 stage I. All cases were done as day case surgeries with average operative time of 25 mins.

Results:

16 hips had almost complete pain relief that persist at mean follow up of 3 years, 5 hips the pain persisted, all patients who had clinical response show radiological stabilization of the disease stage.

Conclusion;

Femur head decompression using the Core decompression kit followed by bone substitute injection resulted in long term pain relief and prevention of AVN progression in 3/4 of patients. Core decompression when appropriately done, is safe, simple and effective way for pain relief and prevention of femur head AVN progression.

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