

## Comparative study of Functional outcome of Percutaneous Decoring and Grafting Versus Decoring and Fibular Graft Insertion in Patients of Avascular Necrosis of Head of Femur

[AV Golhar](#), [SH Mankar](#), [Trupti K Balvir](#), [Neeraj Sharma](#), [Prashant Badwaik](#)

*Dr. Anil Golhar. Professor & HOD in Orthopaedics, NKP Salve Institute of Medical Sciences & Research Centre, Nagpur, India*

*Mob: 09823287442, Email: [drbadwaik@rediffmail.com](mailto:drbadwaik@rediffmail.com) [golhar.anil@hotmail.com](mailto:golhar.anil@hotmail.com)*

<http://dx.doi.org/10.18049/jcmad/313>

### Abstract

**Introduction:** Avascular necrosis (AVN) of femoral head is common disease. It leads to joint destruction, requiring surgical treatment. Although number of therapeutic approaches is available but no universally satisfactory therapy has been developed. In the present study, functional outcome of percutaneous decoring and grafting is compared with decoring and fibular graft insertion in patients of AVN. **Materials & Methods:** A total of 30 hips in 20 patients were studied. Out of 30 hips per cutaneous core decompression was used in 15 hips and core decompression with fibular grafting was used in rest of the hips. **Results:** Excellent results in 14 hips (46.67%), good in 12 hips (40.00%), fair in 3 (10.00%), and poor in 1 hip (3.33%) observed. Harris hip score above 90% was seen in 5 cases of Percutaneous core decompression while in Core decompression with fibular grafting, it was seen in 10 cases. **Conclusion:** Percutaneous core decompression with bone grafting is a very good and useful procedure for the management of AVN in stages 1 and 2 without any complication to the patients.