

**Comparison of Total Hip Arthroplasty and Core Decompression In avascular Necrosis of the Femoral Head After Taking temgesic and Norgesic**

**A. Kheradmand**<sup>1</sup>, M. Karimi mobarake<sup>2</sup>, A. Nemati<sup>3</sup>, N. Hedayati<sup>4</sup>

<sup>1</sup>depatment of psychiatry behavioral research center, Shahid Beheshti University of Medical Sciences, tehran, Iran ; <sup>2</sup>depatment of orthopedic, kerman University of Medical Sciences, kerman, Iran ; <sup>3</sup>depatment of orthopedic surgery, kerman University of Medical Sciences, kerman, Iran ; <sup>4</sup>depatment of pediatric dentistry dental school, Shahid beheshti University of Medical Sciences, Tehran, Iran

---

**Background:** Osteonecrosis is common after taking Temgesic and Norgesic. This study intended to suggest the preferable surgical treatment in osteonecrosis patients who use these drugs.

**Methods:** Twenty tree patients with hip osteonecrosis who were hospitalized in the Kerman hospitals after using Temgesic and Norgesic were followed for about 14 months from 2008 to 2010 (from a minimum of 2 months to a maximum of 2 years). 65% of patients underwent total hip arthroplasty (THA) and core decompression was performed for 35% of them. Patients were compared based on functional scoring of hip before and after surgery.

**Findings:** Duration of drug use was 38 months on average and injection frequency of drug was averagely 3 months. The average functional scoring of hip was 9.1 before operation and 16 after it ( $P < 0.001$ ). Recovery rate of patients in THA was very good and in core decompression was good.

**Conclusion:** In treatment of osteonecrosis after taking Temgesic and Norgesic, the THA surgery in comparison with core decompression showed better results and caused significant clinical improvement.