

There is a controversy whether to use preliminary over-head traction or not prior closed reduction in infants treated for DDH.

The aim of this study was to compare the results of treatment of 2 groups of patients; the first group was treated by closed reduction preceded by overhead traction for 2 weeks, while the second group was treated by closed reduction without preliminary traction.

This prospective study reviewed the clinical and radiological outcome of 84 hips in 67 patients having DDH treated in Al-Sader Teaching Hospital between March 2005 & January 2014.

The mean age at the time of the operation was 14 months. The female to male ratio in our study was 8.5: 1.5. The mean period of follow up was 58 months.

The rate of satisfactory results in the first group was 89.5% which is higher than that of the second group in which the rate of satisfactory results was 80.4%.

This study revealed that overhead traction followed by closed reduction give better results and low rate of complications and this justified in patients with DDH aging 6-24 months old.