**Original article:**

**A study on efficacy, safety & compliance of oral iron in comparison with intravenous iron sucrose in pregnancy**

**Dr Deepa Masand, Dr Jaya Patel**

Associate Professor, NIMS Medical College, Jaipur, Rajasthan, India

3rd year Resident, NIMS Medical College, Jaipur, Rajasthan, India

Date of submission: 12 June 2014; Date of Publication: 25 July 2014

**ABSTRACT**

**Introduction:** The aim of this study was to compare efficacy, safety & compliance of oral iron and intravenous iron sucrose in the treatment of iron deficiency anemia in pregnancy.

**Methods:** A randomized interventional study was conducted at NIMS medical college involving 140 pregnant women with iron deficiency anemia between 14 to 34 weeks. In the intravenous group calculated dose of iron sucrose infused .Target Hb was 12 g/dL. In oral group patients received 200 mg oral ferrous ascorbate daily. Haemoglobin and serum ferritin were reviewed at 4 & 6 weeks.

**Results:** The change in haemoglobin and ferritin levels from baseline was statistically higher in the intravenous group than the oral group at each measurement.

**Conclusion:** Intravenous iron sucrose elevates Hb & ferritin concentration faster than oral iron supplementations with no serious side effects.

**Keywords:** ferrous ascorbate , intravenous iron sucrose , iron deficiency anaemia