



Abstract :

Efficacy of Intravenous Iron sucrose over Oral iron therapy for anaemia in pregnancy.

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Background:

Iron deficiency anaemia (IDA) is the most common nutritional deficiency in pregnancy which influences the health of mother and developing fetus with major morbidity and mortality throughout our country. Intolerance to oral iron, inadequate absorption, and side effects leading to poor compliance are the major shortcomings in oral iron therapy. To overcome all these limiting factors associated with oral iron therapy, parenteral iron therapy is preferred.

Method :

This prospective study was taken up to compare the efficacy of intravenous iron sucrose over oral iron therapy for anaemia in 50 antenatal women attending antenatal outpatient Department of Obstetrics and Gynaecology belonging to gestational age group of 28-34 weeks with Hb 7 - 10 .5gms% were chosen and are managed either with oral ferrous sulphate or intravenous iron sucrose therapy. The hemoglobin and blood indices levels before and after 6 weeks of treatment in both groups were compared

Results:

Intravenous and oral; both the treatments were associated with increment in hemoglobin but this rise was significantly more in the intravenous group than in oral. In this study, the mean baseline haemoglobin was 8.2g/dl before start of treatment and

after iv iron sucrose treatment haemoglobin showed a mean value of 10.8g/dl.

Conclusion :

Iron supplementation during pregnancy in iron deficient mothers improves iron status during pregnancy and postpartum period, thus providing some protection against iron deficiency in the subsequent pregnancy. Intravenous iron sucrose is highly efficacious over oral iron therapy for anaemia in pregnancy. It rapidly restores iron stores ,better tolerated with minimal side effects.

Biography:

I am Dr. Ilakkiya Madhavan doing my second year postgraduate in Obstetrics and gynaecology at VMKVMCH, Salem, Tamilnadu. My field of interest is on Assisted reproductive technology and high risk pregnancy.