

Introduction & Aim Of The Study

INTRODUCTION AND AIM OF THE STUDY

Vitamin A is an essential nutrient for all humans because of its critical role in reproduction, The immune system, and vision, as well as in the maintenance of cellular differentiation (*Tyler et al 1991*).

Little is known regarding the control of fetal vitamin A status, yet, it is claimed that the placenta, both, limits and control the passage of vitamin A to the fetus (*Dancis et al 1992*).

Differences in neonatal vitamin A status, as judged by the cord blood vitamin level, between fullterm and preterm neonates have been reported (*Dison et al 1993*).

So the aim of our work is to investigate the degree of association between maternal and cord vitamin A status, in relation to gestational age and growth status of the newborn. Also to study the level of vitamin A in high risk pregnancies as preeclampsia, and newborns of diabetic mothers.