**“Study of factor affecting serum bilirubin level”.**

**Background:**

Various confounding factors affect the serum bilirubin level. One of the most important factor is delay in estimation of blood sample. The sample may be exposed to light or heat during delay, resulting in the degradation of bilirubin. These cause a clinically significant change in the concentration of bilirubin. Sometimes dilution is required in case of scanty serum. This study aim is to see the various factors that influences bilirubin level.

**Method**

Neonates requiring serum bilirubin values will be included in the study. Sample containers will be enclosed with carbon paper or aluminum foil and transported to the lab immediately. After the separation of plasma, zero time bilirubin conc. will be measured. Then carbon paper will be removed and sample will be left in room light . Bilirubin conc.will be measured after 3 hours.

Zero time result will be compared with 3 hr result. The dilution effect will also be measured.