**Original article :**

**Study of serum total bilirubin & LDH levels in HIV positive patients**

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**Abstract:**

Abnormal liver biochemistries are a frequent feature of HIV disease hence we carried out this study to assess the significance of biochemical parameters in HIV positive patients. Analysis of liver-associated enzymes may also help focus the diagnostic workup. The present study attempts to assess the following in HIV positive patients –

1. To study whether the liver functions are deranged in HIV positive patients by estimating the serum total bilirubin & LDH levels.
2. Whether or not it can be used as a diagnostic & prognostic tool.

The mean ± SD serum total bilirubin & LDH in control group was demonstrated to be 0.64 ± 0.09 mg % & 196.6 ± 11.62 IU/L which was found to be increased to 1.17 ± 0.87 mg % (p < 0.05) & 275.67 ± 79.3 IU/L (p < 0.01) in HIV positive patients. The increase was found to be statistically significant for total bilirubin & LDH. It could be concluded that the liver function tests are deranged in HIV positive patients as compared to control. The deranged serum total bilirubin & LDH levels may identify patients requiring further investigations, thus can be used as a diagnostic & prognostic tool.

**Keywords:** Total bilirubin; Lactate dehydrogenase; HIV/AIDS.

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