Chapter No. 3

AIMS AND OBJECTIVES
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1. To estimate levels of lipid peroxide, superoxide dismutase, Glutathione Peroxidase, Catalase, Adenosine deaminase activity in cases of leprosy and to compare them with healthy control values.

2. To observe correlation if any between LPO and SOD, GPx, Catalase values and development and severity of the disease leprosy.

3. To find out the concentration of serum, copper, zinc, magnesium, manganese, selenium, vanadium in patients of leprosy and to compare these values with normal healthy controls.

4. To comment on correlation between serum copper, zinc, magnesium, manganese, selenium, vanadium and severity of leprosy.
5. To find out correlation between trace elements copper, zinc, magnesium, manganese, selenium, vanadium and LPO in leprosy.

6. To establish the role of trace elements copper, zinc, magnesium, manganese, selenium, vanadium and LPO, SOD, GPx, Catalase as biomarkers for diagnosis and detection of severity of the disease in patients with leprosy.