

Glutathione level estimation in obese individuals.

Abstract

This is a comparative study carried out on three cohorts, normal weight volunteers, overweight and obese subjects. The aim was to find out the effect of obesity on glutathione(GSH) concentration as a master antioxidant. GSH concentration was measured in whole blood sample of each volunteer. The procedure was done according the principle that Elman's reagent .The present study did not find any significant differences in GSH concentration between normal weight volunteers and overweight subjects and between normal weight volunteers and obese subjects. These inconsistent results with the results of many previous studies, may be attributed to many factors which affect the glutathione level rather than obesity and oxidative stress associated diseases.