Biochemical Parameters among Shia and Sunni Muslim Obese Women

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Abstract

The present study was done to compare biochemical parameters between Shia and Sunni Muslim obese women in the age group of 31-40 years. In the present study 68 subjects were screened based on body mass index greater than 23. The subjects were selected from two areas namely Mint and Mannady in Chennai. Among them 38 were from Shia Muslim community, from which Agakhanis were selected and 30 were from Sunni Muslim community, from which Hanifi and Shafi were selected. Biochemical analysis like serum lipid profile (total cholesterol, high density lipoprotein, low density lipoprotein, very low density lipoprotein, triglyceride) and random blood glucose were assessed using the enzymatic kit method in the laboratory. The study was carried out for 3 months. The data obtained was subjected to statistical analysis in order to draw inference. The statistical measures used include mean, standard deviation and t test. The results of this study found that biochemical parameters like serum lipid profile such as serum total cholesterol, serum low density lipoprotein, triglycerides level and also random blood sugar, significantly associated with obesity among Shia and Sunni Muslim obese women.

Keywords: Biochemical, Lipid profile, Diabetes, Cholesterol, Obesity

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