

AIMS & OBJECTIVES

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An increase in the prevalence of obesity in children has been seen around the world and even in urban India, mainly attributed to physical inactivity and westernization in diet. In adults, pulmonary function abnormalities are well reported complications of obesity. Similar data in children and adolescents is however, limited and conflicting. Hence, the present study was planned to probe the relationship between obesity in adolescents and lung function parameters.

Objectives of the study are.

- 1 To categorize the subjects on the basis of
 - (a) Body Mass Index
 - (b) Waist/Hip Ratio
 - (c) Skinfold thickness
 - (d) Body Surface area

- 2 To obtain a record of
 - (a) Inspiratory and Expiratory Vital Capacities with their related Parameters
 - (b) Expiratory Flow Rates (Mid and End)
 - (c) Peak Expiratory and Inspiratory Flow
 - (d) Maximum Voluntary Ventilation

- 3 To compare the respiratory data of obese adolescents with control adolescents
- 4 To analyse the results and compare on the basis of statistical analysis of collected data