

Assessment of Important Biochemical Parameters in Urban Hypertensive Adolescents

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ABSTRACT

The prevalence of Hypertension among youth is increasing and hence its early diagnosis in adolescent population, detection of metabolic defects, and their clinical management are important. Hence, various biochemical parameters including Fasting glucose, LFT, RFT, Electrolytes, Lipid profile, Hs-CRP and Homocysteine) among HT- Adolescents (HTA) and Control Adolescents (C-A) were assessed. The study revealed decrease (10-20%) in the biochemical parameters viz. ALP, BUN, UA, Calcium, and the Electrolytes of confirmed HT-adolescent subjects of age group 13-18 years, while Hs-CRP (41.3%) and Homocysteine (75.6%) levels were found elevated