

STUDY OF BLOOD PRESSURE PROFILE IN SCHOOL CHILDREN IN BANGALORE CITY

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ABSTRACT

Introduction

Hypertension is one of the major killer diseases causing death annually in the world. The prevalence of hypertension among Indian adolescents has been reported to range from 2-9%.

Aim of the study

The present study was done in school children to know the prevalence of hypertension and to study the relation of hypertension with age, sex, height, weight, BMI, family history and socio economic status.

Subjects and methods

It is an observational study done in randomly selected government and private school children in the age group of 6-15 years. The study sample included apparently healthy asymptomatic 1449 children. For each child height, weight, BMI was calculated and three blood pressure recordings were done and the mean of the three recordings was taken. Any family history of hypertension of the children was also taken.

Results

The prevalence of hypertension in this study was found to be 4.69% which was 2.55% in boys and 2.14% in girls

Conclusion

Present study concludes that blood pressure could be associated with age and BMI. It was not significant in children with family history of hypertension and in different classes of socio economic status.

KEYWORDS: Prevalence, Hypertension, Socio Economic Status

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