

BMI and Serum Lipids

Sir,

I read the recent publication by Azita *et al* on BMI and serum lipid with a great interest. Azita *et al* mentioned that "it is necessary to measure serum lipid profile in obese and overweight children." Indeed, the problem of lipidemia in pediatrics is a new concern. Correlation between serum lipid and BMI is studied in some previous works. In a Chinese study, the relationship between serum lipid and BMI could not be identified although the obesity and overweight among the studied children could also be observed.²⁻³ Similar null correlation was also reported from a Japanese study.⁴ Due to the changing world, the obesity and overweight have become the new problem in pediatrics. However, the relationship between BMI and serum lipid needs further study for clarification.

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Author's Reply

Sir,

Childhood obesity is increasing in the world and is associated with cardiovascular risk factors like hypertension and dyslipidemia. In studies in Venezuela¹ and Taiwan² the incidence of dyslipidemia in obese children was significantly higher than children with normal weight. Due to increasing rate of obesity in children in recent years in the world, I think it is very important to find the risk factors of it. I recommend doing more studies about the relationship between obesity and dyslipidemia in children in different countries because difference in different studies may be related to race.

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