

عنوان مقاله:

Effect of clofibrate on serum triglyceride and cholesterol after intravenous lipid in very low birth weight neonates

محل انتشار:

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خلاصه مقاله:

Background Lipoprotein lipase activity can be increased by clofibrate. Clofibrate is used to reduce serum triglyceride level in adults. The aim of this study was to determine the effect of clofibrate on serum triglyceride and cholesterol level after administration of intravenous lipid in very low birth weight neonates. **Method** In a randomized double blind placebo – controlled study, 60 very low birth weight neonates were elected. They received intravenous lipid for parental nutrition. Study participants (case) received one dose clofibrate 100 mg/kg orally. Control group received sterile water for placebo as volume as clofibrate. Serum triglyceride and cholesterol levels were measured in first and fifth days after starting of intravenous lipid (one day after intervention). **Results** Two groups were the same in sex, birth weight, gestational age and mode of delivery. There were no significant difference between the clofibrate and control groups in mean total serum triglyceride and cholesterol levels at before and after drugs administration ($P=0.20$ and 0.40 respectively). **Conclusion** This study showed although clofibrate has been reduced serum triglyceride levels in adults but it has not effect on serum triglyceride and cholesterol levels in very low birth weight neonates who use intravenous lipid.

کلمات کلیدی:

Clofibrate, Very low birth weight, Triglyceride, Parental Nutrition

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