

THE INFLUENCE OF ANTIKETOGENIC INFUSION TO METABOLISM OF CARBOHYDRATES AND FATS, SOME HORMONES OF STRESS IN CRITICAL CARE CHILDREN WITH ACETONEMIA

M.A. Georgijath, E.V. Shilova

Summary. Theoretical mechanisms of appearing the acetonemia at disorders metabolism of carbohydrates and fats in critical ill children are represented in the article. An absence of detailed data about metabolism of carbohydrates and fats, some hormones of stress in critical ill children with acetonemia is note. The deficiencies of existing treatment of acetonemia in critical ill children are showed. Theoretical premises for usage of xylitol solution “Xylat” for correcting of acetinemia are demonstrated. The scheme antiketogenic infusion with uses a combination of 10% glucose solution in dose 60 ml/kg and “Xylat” in dose 20 ml/kg for day is proposed. The results of proper investigation about influence of different schemes antiketogenic infusion to metabolism of carbohydrates and fats, some hormones of stress in critical care children with acetone-mia are represented.

Key words: *children, acetonemia, metabolism of carbohydrates and fats, infusion therapy, xylitol.*