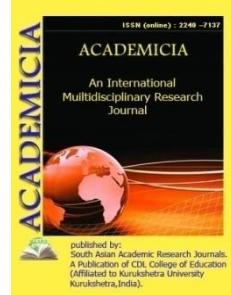


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**FEATURES OF THE COURSE OF ARTERIAL HYPERTENSION
ASSOCIATED WITH METABOLIC SYNDROME**

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ABSTRACT

The article presents a review of the literature on metabolic syndrome, the dynamics of ideas, the relationship between insulin resistance and cardiovascular diseases; arterial hypertension as a component of metabolic syndrome, features of its development and course; features of hemodynamics and damage to target organs in arterial hypertension associated with metabolic syndrome. The second mechanism is the effect of hyperglycemia on the expression of the angiotensinogen gene in the renal tissue under IR conditions, which leads to increased renal hypersympathicotonia. The presence of a link between hypertension, obesity, impaired carbohydrate metabolism and gout was noted at the beginning of the last century by GF Lang [5] and E. Kylin [6], and subsequently by A. L. Myasnikov, D. M. Grotel and M.P. Konchalovsky. Thus, under conditions of chronic GI, active lipolysis occurs in fat stores and an increase in the concentration of free fatty acids (FFA) in the blood [12], an increase in the thickness of the muscular layer of blood vessels and myocardial hypertrophy, stimulation of the SNS, an increase in reabsorption and a decrease in sodium excretion and water [16], weakening of the vasodilating properties of insulin due to a deficiency in the production of nitric oxide [15].

KEYWORDS: *Syndrome, Hyperglycemia, Hypertension*

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