**Objective**

*To reveal clinical and biochemical particularities of the metabolic syndrome in men.*

Materials and methods

*The study included 299 men with metabolic syndrome aged from 31 to 89 years.*

**Results**

*We identified the presence of hypertriglyceridemia and increased quantity of low density lipids in young males, whereas carbohydrate metabolism disorders prevailed in middle-aged men. In 52% of cases metabolic syndrome was combined with overweight. The body mass index was significantly higher in men with manifestation of obesity before the age of 40 comparing to patients whose weight gain began after 40 years. Relatively early onset of arte- rial hypertension was discovered during the development of obesity at a young age. Men who developed obesity before the age of 40 years, had a higher number of metabolic syndrome components. Statistically significant in- crease in ALT and uric acid levels were revealed in men with newly diagnosed diabetes mellitus type 2, compared to those with previously diagnosed diabetes.*

**Conclusion**

*Сlinical and biochemical particularities of the metabolic syndrome in men with different duration of obesity de- termine the need of advanced examination of individuals developing obesity before the age of 40 years for early diagnosis of associated conditions.*

**Key words**

*Metabolic syndrome, carbohydrate metabolism disorders, hyperuricemia.*