

cji stwierdzono u mężczyzn uzależnionych obniżenie stężenia immunoglobulin klasy A w porównaniu z ich wynikami uzyskanymi na początku leczenia. Czynniki kliniczne takie jak: wiek początku uzależnienia, posiadanie probandów I° uzależnionych od alkoholu, głębokość uzależnienia od alkoholu, stan funkcjonowania wątroby zmieniają obraz badanych parametrów odpowiedzi humoralnej.

**Słowa kluczowe:** alkoholizm, odporność humoralna

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**Humoral immunity in alcohol dependent males after 30 days  
of an alcoholism treatment program**

**SUMMARY**

The aim of the study was to estimate selected parameters of humoral immunity: serum concentrations of protein C3c and of immunoglobulins G, A, and M in male alcoholics undergoing inpatient alcohol treatment and in controls. The biochemical tests were carried out at the beginning of treatment and after 30 days of therapy. As compared to controls, alcoholics had lower concentrations of class G immunoglobulins and of protein C3c, both at the beginning of treatment and after 30 days of abstinence. On the other hand, in alcohol dependent males after 30 days' abstinence IgA concentration was found to be lower than that at the beginning of treatment. Clinical characteristics such as: age at onset of dependence, alcohol dependence in first-degree probands, severity of alcohol dependence and functional status of the liver turned out to affect the pattern of humoral immunity parameters.

**Key words:** alcoholism, humoral immunity

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