

# EFFECTIVENESS OF TREATMENT OF PATIENTS WITH MULTIDRUG-RESISTANT TUBERCULOSIS AND EXTENSIVELY DRUG-RESISTANT TUBERCULOSIS CONSIDERING THE HISTORY OF PREVIOUS TREATMENT

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## *Abstract*

*The aim* — to establish the treatment effectiveness in patients with multidrug-resistant (MDR-TB) and extensively drug-resistant (XDR) tuberculosis considering the history of previous treatment.

*Materials and methods.* Treatment outcomes at the end of intensive phase of chemotherapy of 378 patients with MDR-TB and 109 patients with XDR were analyzed. All MDR patients, depending on the history of previous treatment were divided into 3 groups: group I — patients with new TB cases, group II — patients treated with only first line anti-TB drugs in the past, group III — patients treated with first and second line anti-TB drugs in the past; XDR patients — into 2 groups: group — patients with new TB cases or patients treated only with first-line anti-TB drugs in the past, group V — patients treated with first- and second-line anti-TB drugs in the past.

*Results.* Among MDR cases sputum conversion was registered in 79,7 % patients of group I, and in 79,1 % patients of group II compared with 61,7 % patients of group III ( $P < 0,05$ ). Among patients with XDR with high adherence to treatment, sputum conversion was registered in 36.7 % patients of group IV, versus 32,9 % patients of group V ( $P > 0,05$ ).

*Conclusions.* Previous use of second-line antituberculous drugs in MDR and XDR cases decreases the effectiveness of treatment and have to be considered in determination of prognosis.

**Key words:** multidrug-resistant tuberculosis, extensively drug-resistant tuberculosis, treatment effectiveness.

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