

EFFECTIVENESS OF TREATMENT OF PATIENTS WITH MULTIDRUG-RESISTANT TUBERCULOSIS IN UKRAINE: OFFICIAL REPORTS ANALYSIS

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Abstract

The aim — determine the effectiveness of treatment of patients with multidrug-resistant (MDR) tuberculosis in Ukraine.

Materials and methods. The official reports on tuberculosis (forms № 8-1, 8-2, 8-4, 8-5) for patients who had started treatment in 2009-2010 were analysed.

Results. It was statistically proven that the results of treatment of patients with MDR tuberculosis were unsatisfactory by most indicators for both intensive (25 % of patients remained smear-positive 9,66-8,01 % - interrupted treatment, 13,04-14,16 % - died) and maintenance (cured, completed treatment, died, treatment failures, interrupted treatment 19,8-22,6; 7,5-6,7; 31,7-33,1; 9,0-9,5; 13,8-13,3 %, correspondingly) phases of chemotherapy. Overall effectiveness of treatment in MDR tuberculosis was lower than in drug-sensitive cases. Lowest effectiveness of treatment in MDR tuberculosis patients was observed in such cases as treatment after a break, treatment after a failure of the first course or re-treatment course.

Conclusions. Since official statistical data on MDR tuberculosis prevalence and effectiveness of treatment make a substantial bias due to technical difficulties, non-proper registration and wrong evaluation of indices, and accounting and reporting of these cases need to be improved.

Obviously, only reliable data on MDR tuberculosis in Ukraine would help to develop a unified strategy for the control of the disease, covering its all phases — case finding, treatment and prevention.

Keywords: multidrug-resistant tuberculosis, effectiveness of treatment.

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