

CHARACTERISTICS OF DRUG RESISTANCE TO ISONIAZID OF MYCOBACTERIUM TUBERCULOSIS ISOLATES, PREVALENT IN CITY OF KHARKIV

*V. S. Krutko, M. L. Filipenko,
O. O. Ljashenko, M. A. Rot, P. I. Poteyko,
A. V. Stadnikova, D. O. Kashuba, V. E. Kulshin,
N. P. Syoma, N. I. Omelchenko,
E. P. Alexandrova, I. Y. Gorjacheva*

Summary

80 isolates of *Mycobacterium tuberculosis*, selected from the patients with pulmonary tuberculosis from Kharkiv were studied. Drug resistance was assessed for each isolate using a standard method of absolute concentrations on Lowenstein-Jensen medium. Simultaneously the mutation Ser315Thr in *katG*, associated with a resistance to isoniazid, was determined. High correlation between these two methods was established. These data allow us to recommend the PCR method as faster and cheaper one to determine isoniazid resistance.