

ADVANTAGES AND LIMITATIONS OF DETECTION OF PATIENTS WITH DRUG-RESISTANT TUBERCULOSIS

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Abstract

In order to study effectiveness of detection of drug-resistant tuberculosis patients in Ukraine we analyzed the data, collected using special questionnaire filled in by phthisiologists from 26 administrative territories.

Results. All limitations in case detection, revealed during survey, were allocated to 4 groups: 1st — reports and accountability (69,2 %); 2nd — cooperation between tuberculosis service and general healthcare network (50 %); 3rd — time of detection (38,5 %); 4th — quality of bacteriological service (76,9 %). Among the causes of untimely detection of drug-resistant tuberculosis case were insufficient technical level of microbiological laboratory (80,8 %) and lack of qualified personnel (57,7 %), technical difficulties (38,5 %); diagnostic mistakes (11,5 %); other issues (38,5 %). The risk factors for drug-resistant tuberculosis include low compliance of patients (92,3 %), irregular supply of anti-mycobacterial medicines (76,9 %), insufficient social support of patients (73,1 %), violation of standards of treatment (50 %) and others (57,7 %).

Conclusions. Organization of detection of drug-resistant tuberculosis cases in Ukraine remains unsatisfactory, which is confirmed by several limitations in reporting and accountability of cases, poor support of general healthcare network, problems in bacteriological service, untimely detection of patients. For the purpose of improvement of tuberculosis diagnosing and creation of electronic registry of patients a range of legislative, financial, technical and personnel issues should be resolved. It is essential to increase patients compliance for therapy, timely registration of treatment interruption or failure, timely reporting of patients being resettled or released from penitentiary facilities.

Key words: drug-resistant tuberculosis, organization of detection.

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