
EFFECTIVENESS OF PUBLIC SCREENING FOR GLAUCOMA IN REPUBLIC OF KAZAKHSTAN

Tashtitova L.B, Botabekova T.K., Aldasheva N.A., Uteuliyev E.S.

Kazakh Scientific Research Institute of Eye Diseases, Almaty
tashtitova@mail.ru

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Introduction: In the Republic of Kazakhstan (RK) glaucoma is the second place ranking in the structure of primary disability on eyesight. In 80.2% of cases – these are invalids of the first or second group (Islamova S.E., 2009). In 2010 there was signed a decree of the President of the RK «On approval of the State Program for Health Development in RK «Salamatty Kazakhstan/ Healthy Kazakhstan» for 2011-2015». According to decree glaucoma entered in the category of socially significant diseases subject to screening detection.

Methods: Statistical analysis of output forms of “Medinform” JSC.

Results: At the end of 2014 the number of registered patients with glaucoma was 63273 people. The number of registered patients from the beginning of screening has increased by 46%.

The total number of newly diagnosed cases of glaucoma by screening increased by an average of 68%, which means since 2012 annually by an average of 4,000 cases of glaucoma more additionally is being detected.

Growth in the number of patients with newly diagnosed glaucoma caused also an increase of patients' number index taken to D registration.

Estimated number of patients with officially registered cases of glaucoma at the end of 2014 should be more than 85,000 people. At the same time according to “Medinform” JSC information this number is only 63273 people. The database for the total number of registered patients with a particular disease is formed on the basis of at least a single annual visit to outpatient care institutions. Consequently, we can assume that approximately 25% of patients with an established diagnosis of glaucoma do not follow-up disease inspections and clinical examination. Identified deficiencies define new priorities for the development of glaucoma service in the RK - the strengthening of control over the clinical examination.

Conclusions: Thus, the effectiveness of glaucoma screening in the framework of the State program «Salamatty Kazakhstan» averaged 0.26%. The introduction of screening made possible to increase the detection of glaucoma by 68%. Made analysis of statistical data has revealed the need to strengthen the work on the dispensary observation.