

OPPORTUNITIES OF USING INTERNET RESOURCES FOR REGISTRATION AND MONITORING OF GLAUCOMA PATIENTS

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Purpose: To create computer software for use in Internet network for organizing and monitoring data of patients with glaucoma. To develop access to these data for leading specialists in this field for consultation services online in order to reduce risk of wrong decisions in tactics of treatment. To reduce (potentially) number of disabled people with glaucoma.

Material and methods: A program for Internet network which includes all information about patient with glaucoma was created. Information includes data of patient, physician, frequency of visits, data about prescribed treatment, consultations of regional specialists, data about manipulations and surgeries. All data is inspected and kepted in order to prevent their correcting and falsing. All subsequent reviews are registered in the same way in personal file of each patient. Further program enables automatic graphic display of changes in different indexes of pathological process in every patient. Glaucoma-specialist can analyse data and change tactics of treatment. Created program can be successfully used for consultation on-line.

Results: A program for registration and monitoring of glaucoma patients was created as a result of joint developments of ophthalmologist and a specialist in computer systems.

Conclusion: Implementation of proposed program gives opportunity to register glaucoma patients in different stages and dynamics. It can be used for monitoring of glaucoma patients in order to predict pathological process and solve tactics of further treatment. Program can be used for on-line consulting for each patient without his presence. Using of such program can reduce number of disabled patients with glaucoma in future.