

# **THE FEATURES OF DECISION MAKING QUALITY EVALUATION IN MEDICINE**

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This article is devoted to the features of the quality evaluation of the medical decision making. The developed method takes into account the requirements of the standard ISO. It helps to improve the quality of medical decisions when the doctor chooses the treatment strategy by determining the value change of the complex criteria of the patient's condition.

Today the decision taken by the doctor in the treatment of the patients with a surgical pathology is assessed on the basis of the determination of the patient's state in accordance with the analog scales, the descriptive systems that cannot always be considered objective. Such inaccuracies may reduce the validity of the results of this treatment. Many assessment tools indicate the relevance of the problem and the lack of the complex approach to its solution. Modern standards are based on the tools that do not provide a clear and objective assessment of information products concerning their professional life. Thus, there is an urgent need to develop the universal method that could serve as a "gold" standard. The solution of the method optimization task of assessing the quality of the medical devices presupposes an objective analysis of the medical data and their correct interpretation.

To improve the effectiveness of patients' treatment, it is necessary to implement the quantitative criteria for evaluating the patient's state. According to these criteria, a qualitative approach will be applied in the decision-making about the treatment determination. On its basis, the complete examination of the patient's state and then the assessment of his/her general condition is conducted. The evaluation of the patient's overall condition is based on the comprehensive assessment of the number of indicators that characterize the consciousness state, the motor activity and the social dependence.

The method for evaluating the quality of the patient's state by formalizing the quality indicators according to ISO 14155:2011 is developed. In contrast to expert estimates it allows improving the quality of medical decisions when choosing the treatment strategy by identifying the changes in the value of the complex criteria of the patient's state.

The conducted quality evaluation of the medical decision-making that takes into account the social status of the observed, determines the predictions as to the illness duration, as well as the correction and the prevention of the risk factors. The verbal and the quantitative evaluation of the results of the quality personalized schemes realization allows verifying the correct application of the personalized treatment scheme by the GP expert chosen as a result of analyzing the general condition of the patient. This indicates the increase in the completeness and the adequacy of the personalized data processing, as well as in the quality of the health care services, which results in the formalization of the integrated criteria of the patient's general condition evaluation.

**Keywords** – quality evaluation of results, decision making, general condition of the patient.