

Combined Model of Differential-Diagnostic Process

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Abstract: The combined model of differential-diagnostic process and the results of experimental testing of its adequacy are offered. The results of iterative procedure of mathematical model of diseases of abdominal cavity emergency surgery on a set of statistical, neural and combined approaches are described and the advantage of the last one is shown. The structure of the designed expert system on the platform of post-relational database InterSystems Caché is given.