The Diploma Thesis „Utilization of database applications in clinical research" deals with development of client-server database application for 3rd Medical Department, 1st Faculty of Medicine, Charles University in Prague. Application's aim is to store structured data of patients' examinations, treatments and biochemical results. Purpose of the application is to facilitate data processing for clinical research, which is very difficult, because information stored in hospital information system doesn't contain detailed records from medical examinations. Also, searching for several entries is slow. As well, application allows import patient identification data from hospital information system. This function provides physicians wide range of possibilities in data processing
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and comparison in relation to treatments. Effective feature of this application is faster writing medical reports stored in information system because they are automatically generated from application's database.