A PROTOTYPE SYSTEM FOR SIMULATING SELF MONITORING OF BLOOD GLUCOSE

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An application software using database is developed for assisting young diabetics with access to personal computers, in self monitoring of blood glucose. This user-friendly package is also suitable for nursing staff in a networked patient care system through Foxbase + (multi-user Xenix OS). Brief outline of the system features are-- input variables as blood glucose and presence of urine ketones, any illness, increased activity or reduced diet; output reports of computer suggested clinical assessment; easy and ready accessibility to data management and analysis. A component of timed analysis of blood glucose levels in relation to the previous insulin dosage is added to this software and is being tested. Execution of this software for therapeutic guidelines will be the final stage in a series of developing the system after designing, testing and implementation.

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