Ubiquitous Network for e-Health

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Recently, the remarkable developed IT technologies provide the appropriate medical services of anytime and anywhere. For the reasons, the construction of Ubiquitous healthcare system has drawn a lot of interest. Beyond the limits of time and place, patients can be provided with information from a more diverse and accurate, and timely medical assistance and guidance through the attempt to improve the long-term prognosis of the diseases. An application is implemented to the diabetic patients to tell the current status e.g. pre-and postprandial blood glucose, blood pressure and weight by input bio-medical data as well as to guide food intake and momentum in the future. Patients can identify each figure themselves daily, weekly, and monthly charts. An alarm function gives to patient, blood pressure and blood sugar levels that can be measured by adding known. Whenever the doctor to enter the patient's condition, the patient receives through a mail that can be managed more systematically patients. The challenges of the innovation and creativity are as follows. The feedback effect - the appropriate comments depending on the value of the patient's record figures show to patients. The exercise record - the daily recommendation and alarm function can help to fill the patient exercises when the additional momentum needed.The diabetic common sense - when an alarm rings, a dialog box shows more than 70 different diabetes common senses at random so that patients can reduce boredom and reluctance of the alarm. Thus, the real challenge of u-healthcare system using the smart phone management application project was performed by the internal medicine doctors of Haeundae Paik Hospital in collaboration with Human Computer Interaction (HCI) and Medical Image Technology Laboratory (MITL) of the Department of Computer Engineering at Inje University, Korea.