


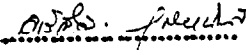
A demonstration project for the outpatient cardiovascular drugs monitoring system was developed and evaluated. The project is composed of four stages ; patient selection, non-compliance drug monitoring, detection of adverse drug reactions and related problems, and patient counseling. From two hundred patients attended this program, three times each, the evaluated results showed that the program has a positive impact on their cardiovascular drug usage. Non-compliance problems has significant improvement (F-test,  $P < 0.01$ ) and also reducing drug related problems from self medication. Detecting and managing adverse drug reactions are proved to be functioned and justified on the basis of improving patient care. The patients seem to know how to manage the adverse drug reaction properly. However, drug interaction problems affected from prescribed drugs is the only issue that cannot be controlled.

The project is proved to be well monitored achieving efficiency and effectiveness. The cost of running the project is as low as 57.52 Baht per patient. Physicans and nurses seem to satisfy with the project, so do 99% of the patients. The standard procedure and instruction manual of the project were evaluated by clinical pharmacy experts, the result showed that they are relevant and suitable to be used elsewhere with alteration. However, some minor improvement are suggested.

With the drop-out rate only 7.5%, the program has demonstrated that an implemented project for monitoring system is useful in assuring the safe and appropriate use of drugs in patients.

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