

# Application of P-Drug Selection Exercise to Medical Pharmacology Education

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**Abstract:** The P-Drug is a series of processes which lets a doctor create his/her own prescription collection based on evidence in advance by selecting the drugs which he/she prescribes to a patient based on the standards of validity, safety, conformity, and expense aiming at appropriate use of pharmaceuticals. Although the P-Drug was originally a concept at working level, it is now being utilized as a type of educational program for medical education before and after graduation, and has been used for Clinical Pharmacy education in the pharmacy department in recent years. In Department of Pharmacology, Faculty of Medicine, Fukuoka University, P-Drug training was introduced in fiscal year 2008 with “the aim to study a medication process at an early stage” for the pharmaceutical education of third-year medical students. Diseases with various treatment choices, such as hypertension and diabetes, were included as subjects. Specifically, after relevant faculty gave an introductory lecture about P-Drug, the 110 students were divided into small three-man groups, and P-Drug training (for four segments/360 minutes) was carried out for each of the cases. The students looked up the drug information using a computer, a manual of therapeutic agents and various treatment guidelines, and each group completed a report. Then, the findings by each group were announced, and were debated among students. As a third-years student in the School of Medicine starts to work with patients in the clinical setting, it is worthwhile to study the medication procedures and concepts by the P-Drug training at this time. Many students understood the main point of this training, and such training was considered to be of significance by the students.

**Key words :** P-Drug Selection, Medical Pharmacology, Problem-based Learning