## S25-4 Development of New Problem-based Learning to Promote Problem-solving Ability in Therapeutics at Meijo University

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Pharmacy students in the six-year education system are expected to combine their knowledge obtained from many lectures, and to develop problem-solving abilities in therapeutics. These two expectations are considered to be difficult in the conventional education system. Therefore, we introduced a new problem-based learning (PBL) method in the lecture "pharmacotherapeutics", which was held in the first semester of the 4th-year students. In the PBL modules, students studied the etiology, pathology and the appropriate drug therapeutics of a given disease, and obtained the knowledge and skills necessary for monitoring the patients during treatment. We conducted 12 PBL modules-students learned one case per module, each lasting a week. In order to encourage constructive group work and to generate original input formats to provide students with a problem-solving road map, we developed new systems including class review and portfolio. The new PBL method also included the lectures on the overviews of the disease and the therapeutic agents (action mechanism, physical property, pharmacokinetics, and monitoring of the efficacies and adverse reactions). By integrating their knowledge and skills, we hope that the students will be able to acquire the problem-solving abilities in therapeutics when they become pharmacists.