

S25-3 **A Trial of the Integrated Cross-Field Pharmaceutical Education in the First Year of School of Pharmacy**

○Tomohisa YASUHARA¹, Naohito KAWASAKI¹, Hideki YAGI¹, Atsushi KAWASE¹, Eiji ITOH¹, Toru OTORI¹, Tetsuyuki WADA¹, Kenji MATSUYAMA¹, Masahiro IWAKI¹

¹Faculty of Pharmacy, Kinki Univ.

6 years pharmacist educations have begun, and now first-grade students are going to attend clinical training. Field-crossing problem resolution capabilities crossing over chemistry, biology, molecular biology, pharmacology, pathology and pharmacokinetics are demanded to new pharmacists. However, the conventional pharmaceutical sciences educations are so separated from other field, that educations for the field-crossing cooperative capabilities were insufficient. Especially about elemental science courses, because these courses are not directly connected with clinical knowledge, there is a problem of low students' interest in these courses. In the result, students acquire only recall level knowledge in clinical courses and their problem resolution capabilities about clinical treatments and drug developments deteriorate. So, we had a trial lecture aimed for students' reorganization of important relations between elemental science courses and clinical courses, and rise of motivations for these courses. Concretely, we took up cancer therapy, easily referred mechanism of carcinogenesis, epidemiology, physiology of cancer, anticancer drug with explanation of mechanism of carcinogens, anticancer drugs and molecular target drugs from a viewpoints of organic chemistry and biochemistry by specialty teacher. We will report this experimental class with evaluation from students.