

**EFFECT OF “CONTRACEPTIVE TECHNOLOGY UPDATE”  
PRE-SERVICE TRAINING ON THE KNOWLEDGE  
AND SKILL OF MEDICAL STUDENT**

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**ABSTRACT**

**Background:** Contraception is an effective method of lowering the population rate. However, anecdotal evidences showed that generally doctors were unable to provide IUD and implant contraceptive installation services. This study aimed to determine the effect of Contraceptive Technology Update (CTU) pre-service training on the knowledge and skill of the medical college students.

**Subjects and Method:** This was a quasi experiment using one group before and after with no comparison design. A sample of 50 college students from the medical college was selected for this study. All of the study subjects received CTU training for 5 days, comprising 3 days of in-class training using mannequin, and 2 days of practical training with patients. The independent variable was CTU pre-service training. The dependent variables were knowledge and skill. The knowledge data were measured by questionnaire. IUD and implant fixing skills were observed using MiniCEX. The data were analyzed by Wilcoxon test.

**Results:** Knowledge after CTU training (median= 77.5) was higher than before CTU training (median= 62.5) with  $p= 0.001$ . IUD fixing skills after CTU training (median= 13.0) was higher than before CTU training (median= 10.0) with  $p= 0.001$ .

**Conclusion:** CTU pre-service training significantly improves both knowledge and skills of IUD and implant fixing of medical college students.

**Keywords:** CTU pre-service training, contraceptive, medical college student

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