



# Advancement in knowledge and skills of nursing students in operation theatre procedures with mobile based learning [

2024

text (article)

Analítica

**Objective.** To evaluate the effectiveness of mobile -based learning (MBL) in improving nursing students' knowledge and skills when performing procedures in the operating room. **Methods.** A quasi-experimental study with control group, pre- and post-intervention assessment was conducted. A total of 128 nursing students from India were recruited by purposive sampling and randomly assigned to the intervention (use of a telephone application containing videos on hand washing, surgical gown donning, gloving, and assisting during intubation) and conventional education groups. A validated Structured Knowledge Questionnaire and an Objective Structured Clinical Examination (OSCE) scale was used to assess nursing students' competencies in relation to operating room procedures and a mobile-based learning satisfaction opinion questionnaire was administered. **Results.** The findings showed that the improvement in the mean knowledge and skills score was greater in the intervention group than in the control group ( $p<0.001$ ). The administration of the MBL was rated as highly satisfactory by 93.8% of the students exposed to this learning method. **Conclusion.** The MBL intervention was effective in improving nursing students' knowledge and skills in the evaluated operating room procedures

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**Título:** Advancement in knowledge and skills of nursing students in operation theatre procedures with mobile based learning electronic resource[.]

**Editorial:** 2024

**Tipo Audiovisual:** learning knowledge clinical competence smartphone operating rooms students nursing  
aprendizaje conocimiento competencia clínica teléfono inteligente quirófanos estudiantes de enfermería  
aprendizagem conhecimento competência clínica smartphone salas cirúrgicas estudantes de enfermagem

**Documento fuente:** Investigación y educación en enfermería, ISSN 0120-5307, Vol. 42, N°. 2, 2024

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**Lengua:** English

**Enlace a fuente de información:** Investigación y educación en enfermería, ISSN 0120-5307, Vol. 42, N°. 2, 2024

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