

## **NURSES' PRACTICE IN GIVING INSULIN INJECTION AND ITS ASSOCIATION BETWEEN YEARS OF EXPERIENCE, LEVEL OF EDUCATION AND NURSES WORKLOAD**

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### **ABSTRACT**

This is a cross sectional study which is to identify the nurses' practice in giving insulin injection and association between nurses workload, educational status and years of experience. Medication administration is an everyday part of nursing practice which consumes up to 40% of nursing working times. Skills and knowledge in proper administering an insulin injection is essential for all health care providers in order to provide a safe nursing care to patient. Findings of this study showed, a majority of 70 % of respondents with the range of good-fair marks in their practices in giving insulin injection. Steps that often missed is rolling vial/pen to mix insulin particles and counting slowly after pushing the thumb in completely. The correlation between total marks of nurses' practices and workload is significant with negative correlation (-0.94) while both years of experience (+0.88) and level education (+0.53) are also showed significant results with a positive correlation with total marks of nurses' practices in giving insulin injection. As a conclusion, total marks of nurses' practice in giving insulin injection are better if nurse to patient ratio is low which indicates low workload. Experience and the level of education contribute in improving their practices in administering insulin injection.

**KEYWORDS:** Diabetic Type 2, Insulin Injection, Patient Safety, Medication Administration, Subcutaneous Injections