

# GLOBAL CARDIOLOGY SUMMIT

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### **Nurse's knowledge and practice regarding post-operative care for patient with open heart surgery in the first 24 hours at Sudan Heart Center, 2013**

**Background & Aim:** Post-operative care of the cardiac surgery patient is challenging that changes can occur rapidly. The pre-operative condition of the patient as well as intra--operative events should be considered in post-operative care. It is essential for the nurse to anticipate the possible complications so that appropriate interventions are initiated in a timely manner in order to ensure a positive outcome for the patient. The aim of this study was to assess nurse's knowledge and practice in ICU working regarding post-operative care for patient with open heart surgery in the first 24 hours at Sudan Heart Center.

**Method:** A descriptive cross-sectional hospital base study was conducted in Sudan Heart Center during period extended from December 2012 and ended by the June 2013. It involved 39 ICU nurses staff chosen by Epi info program version 7. Data were collected by using structured designed self-administrating questionnaire closed ended questions and check list and analyzing by Statistical Package for Social Sciences (SPSS) program version 20.

**Result:** It was found that 4.20% was poor, 12.5% fair, 83.3% was good knowledge of participants' regarding post-operative care for patient with open heart surgery in the first 24 hours. And the result showed that 32% fair practice, 19% poor practice, and 49% have good practice of participants' regarding post-operative care for patient open heart surgery in the first 24 hours. There are factors such as the level of qualification, years of experience, does not significantly affect the level of knowledge. This study also showed that these factors affecting the level of practice of nurses and intensive care unit on nursing care after open-heart surgery after the first 24 hours with the exception of years of experience that affect the level of skills.

**Conclusion:** Most nurses found to have good knowledge about post-operative care for patient with open heart surgery in the first 24 hours but fair practice is high than knowledge. It is necessary to be aware of such measures. Without this practice, nursing knowledge and patient care are not of high standards. The study recommends the applying knowledge into practice is more valuable it enhances to demonstrate evidence-based practice and nurses needs more training about practice more knowledge about the topic of practice.

### **Biography**

Yousef Sami Salem Al Battniji is currently is a Medical Officer at the ER & ICU Department at Imperial Hospital, Khartoum, Sudan. He has worked as Intern Doctor at Sudan MOH, Directorate General of Human Resources Development and Directorate of Internship.

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