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**A development of nursing care in patient with peripheral intravenous infusion at medical intensive care unit****Varanporn Panasittivana**

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Caring and preventing complications of peripheral intravenous infusion in patient is crucial in ICU. This experimental development research designs was aimed at developing a working model for nursing patients with peripheral intravenous infusion at the medical intensive care unit. The research study was conducted from June 16 to September 15, 2017. The sample of work was care implementation for patients with peripheral intravenous infusion during pre- and post-experimental phases in total of 167 times. The sample of participants included 69 service receivers, 47 service providers/nurses and 2 managers. The nursing care was measured in 5 aspects: Quantity, quality, duration, satisfaction of individuals involved and economics. Data was analyzed using descriptive statistics, T-values, Paired T tests, Wilcoxon Signed-Rank test, Mann-Whitney U test with the alpha level at 0.05. The research findings revealed that the workers' workload did not increase, but the accuracy rate to follow the standard increased ( $p=0.003$ ); work duration did not increase, the workers' satisfaction did not decrease, and cost per service unit decreased ( $p<0.001$ ). For recommendations, the research should be continuously conducted throughout the entire hospital and developed to be a good working model of the country with higher efficiency. Policies on health service provisions should be more intense by focusing more on integrative work and multidisciplinary participation for patients to receive quality nursing care.

**Biography**

Varanporn Panasittivana has completed her Master's degree from Public Health, Mahidol University, Thailand. She is currently working at Ramathibodi Chakrinareubodindra Hospital and also the Head of Nurse at Intensive Care Unit, Faculty of Medicine, Ramathibodi Hospital, Thailand.

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