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Association between risk factors and pressure injury patients in cardiac care unit: A retrospective matched-paired case control study design**Orawan Boothumpan and Wasana Lavin**

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Pressure injury was mainly problem among patients in cardiac care unit. The 40 adult medicine-patients in cardiac care unit were admitted from 1st August 2014 through 31st August 2015 in the University Hospital, Thailand. Data was designed as a retrospective matched-paired case control study by sampling subjects in control. The objective of this research study is to demonstrate and describe association between risk factors (such as Braden scale, length of stay, albumin) and pressure injury. 30 patients without having pressure injury were matched with 10 patients in case group who develop pressure injury by using matched multi variables that include age, sex and medical diagnosis. The Fisher's exact test and Chi-square test were used for the association. The results indicated that the subjects were 24 male and 16 female. The average mean age in cases and control groups were 71 years (SD=10.94) and 70.77 years (SD=10.91), length of stay were 259.50 hrs. and 80.50 hrs. The association between length of stay at hospital and pressure injury were associated with the pressure injury ($p=0.0004$). This result should be used for create the guidelines for risk reduction strategies of pressure injury among cardiac care patients.

Biography

Orawan Boothumpan is currently working at Ramathibodi Chakrinareubodindra Hospital. She is a Senior Nurse at Cardiac Care Unit a new branch of the Faculty of Medicine, Ramathibodi Hospital, Thailand.

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