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The nursing rounds system: Effect of patient's call light use, bed sores, fall and satisfaction level

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The nursing round system (NRS) means checking patients on an hourly basis during the A (0700–2200 h) shift and once every 2 h during the B (2200–0700 h) by the assigned nursing staff. The overall goal of this prospective study is to implement an NRS in a major rehabilitation center—Sultan Bin Abdulaziz Humanitarian City—in the Riyadh area of the Kingdom of Saudi Arabia. The purposes of this study are to measure the effect of the NRS on: the use of patient call light; the number of incidences of patients' fall; the number of incidences of hospital-acquired bed sores; and the level of patients' satisfaction. All patients hospitalized in the male stroke unit will be involved in this study. For the period of 8 weeks (17 December 2009–17 February 2010) All Nursing staff on the unit will record each call light and the patient's need. Implementation of the NRS would start on 18 February 2010 and last for 8 weeks, until 18 April 2010.Data collected throughout this period will be compared with data collected during the 8 weeks period immediately preceding the implementation of the NRS (17 December 2009–17 February 2010) inorder to measure the impact of the call light use. The following information were collected on all subjects involved in the study: the Demographic Information Form; authors' developed NRS Audit Form; Patient Call Light Audit Form; Patient Fall Audit Record; Hospital-Acquired Bed Sores Audit Form; and hospital developed Patient Satisfaction Records. The findings suggested that a significant reduction on the use of call bell ($P < 0.001$), a significant reduction of fall incidence ($P < 0.01$) while pressure ulcer reduced by 50% before and after the implementation of NRS. Also, the implementation of NRS increased patient satisfaction by 7/5 ($P < 0.05$).

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