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A project to enhance bundle care complete rate on catheter associated urinary tract infection in a medical intensive care unit

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Background & Problems: The catheter associated urinary tract infection (CAUTI) was the number one health care associated infection. The literature emphasized to implement bundle care that may reduce catheter-related infections. The CAUTI bundle care contains urinary catheter placement and daily care. The urinary catheter placement complete rate was 58.3% and urinary catheter daily care complete rate was only 44.2% in our unit.

Purpose: We designed a project to enhance bundle care complete rate above 90% on CAUTI. Project period is February 2013 to January 2014. The strategy included development of urinary catheter evaluation sheet, urinary catheter indwelling day board, providing education on bundle care, change the bag hanging place, and additional catheters of various sizes.

Results: The urinary catheter placement complete rate was 93.3%, the urinary catheter daily care complete rate was 95.8%, and catheter urinary tract infections were reduced from 3.94‰ to 1.47 ‰ after project implementation.

Conclusions: With enhanced bundle care complete rate, we can reduce the catheter-related infections, and can improve critical care quality.

Biography

Yi-Hui Sung has completed her Master's from the National Changhua University of Education in 2005. She has been working for Chung Shan Medical University Hospital in Taiwan for 16 years. She is the Supervisor of the Department of Intensive Care and Lecturer of School of Nursing, Chung Shan Medical University. Currently, she is a PhD-student at the China Medical University, Taiwan.

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