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Study on knowledge and practices of central venous catheter care bundle.

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Abstract

Central venous catheters are frequently being used in intensive care setting. Catheter related blood stream infection is one of the most serious complication of central venous catheterization. Bundled approach to central venous catheter care introduced by the Institute of Health care Improvement in USA is promoted as an effective way of preventing catheter related blood stream infection.

Objective and setting: To evaluate the degree of adherence to the central venous catheter care bundle by the medical staff and to ascertain the reasons for deviation from standard practice. Study population is 60 health care personnel from intensive care units in National Hospital Sri Lanka. Study was done from 01/07/2012 to 01/07/2013. Data collection done by self-administered questionnaire.

Results: 70% of audited population are anaesthetic registrars. 66% identified the best site for CVC insertion as subclavian and only 4% used USS guidance frequently for insertion of CVC. Reason for not using is the non availability. Only 53% adhered to the strict sterile condition while inserting the catheter. Knowledge about care bundle was only 46%.

Conclusion: Knowledge on central venous catheter care bundle and the adherence to it is not adequate in the studied population.

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