Innovative dressing methods to optimize haemodialysis catheter care in Renal unit

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Introduction
The use of tunneled and non-tunneled central venous catheters (CVCs) has become commonly in the haemodialysis setting. Gauze tape and transparent polyurethane film dressings are the most common types of dressing used to secure CVCs. The type and method of dressing applied to the catheter insertion can influence the incidence of catheter related infections. So as for our unit, we developed a new type of dressing method over the CVCs; a simple of 'cross' dressing method over the exit site, then exposed lumens with covered dry gauze and wrapped by tube gauze additionally, which can be improved security of the catheter, and to prevent catheter related blood stream infections(CRBSI), exit site infection and dislodge of CVCs.

Objectives
The purpose of this method is to prevent catheter related blood stream infections (CRBSI), provision of effective barrier to microorganisms and less frequent dressing changes for home and hospitalized patients.

Methodology
To provide the nurse training on the use of the new dressing methods on CVCs. To evaluate staff compliance and application of the new dressing methods after completed training. To conduct subgroup analysis of the data for CVCs patients pre haemodialysis, such as exit site infection, tunnel infection, catheter security, skin condition / irritation, dressing condition / durability and ease of application. Finally, surveys were conducted to collect feedback from patients and nurses to evaluate the effectiveness of the program.

Result
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