



Implementation of hospital clean by using cleaning tools with color separation management system to reduce the incidence of drug-resistant organisms

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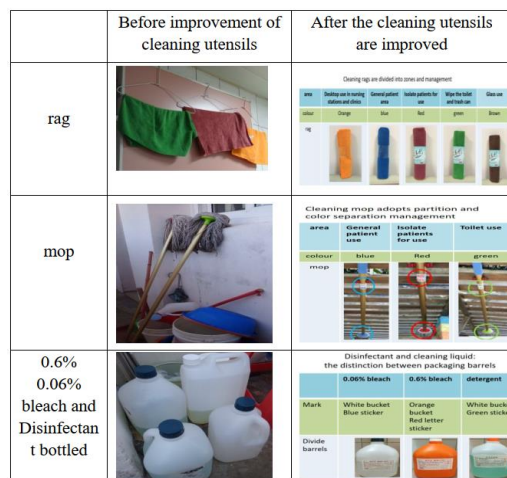
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Objectives

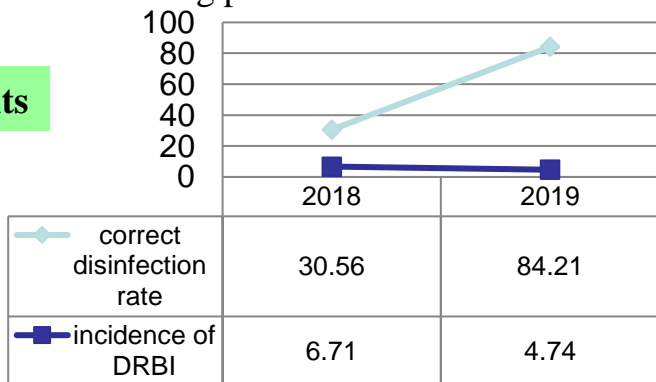
Drug resistant bacterial infections (DRBI) in hospital is a global problem as it increases the patient's morbidity and mortality. Inappropriate hand hygiene and environmental cleaning (EC) are the major cause of increasing DRBI and now EC is the one important issue in hospital institutions. In 2018, the incidence of DRBI in our hospital is 6.71% and only 30.56% reached the correct disinfection of hands and environment after implementation of comprehensive infection control program.

Methods

We arranged a training program for all the cleaning staffs regarding EC measures by using cleaning tools with color separation management (CSM) for easy identification of these cleaning equipment. Established standard operating procedures and periodically assess for correct implementation of environmental cleaning process.



Results



After implementation of CSM from January 2019 to November 2020, we found that the correct disinfection rate across the wards increased from 30.56% to 84.21% and the incidence of DRBI decreased from 6.71% to 4.74%.

Conclusions

By combining education and implementation of effective strategies for EC and disinfection in hospital setting reduce the healthcare-associated infections (HAIs) as well as improve the quality of health care environment. Therefore, the development and implementation of hospital clean is becoming increasingly important to reduce the incidence of DRBI, to promote patient safety and quality of health care.

Relevance to Health Promotion Hospitals and Care Institutions

Implement infection control, regular environmental cleaning and monitoring of clean quality to maintain patient safety and quality of care.

Keywords

environmental cleaning, drug-resistant bacterial infection, color separation management, healthcare -associated infections.