



Service Priorities and Programmes Electronic Presentations

Convention ID: 1158

Submitting author: Ms Yee Man CHOW

Post title: Advanced Practice Nurse, Grantham Hospital

Replacement of Cidex OPA with Tristel Trio Wipes system for the high-level disinfection of Transesophageal Echocardiography (TEE) transducer

*Chow YM, Lau YK, Fan K, Cheung MY, Wong YT
Cardiac Medical Unit, Grantham Hospital*

Keywords:

High level disinfection

Transesophageal Echocardiography (TEE) transducer

Tristel Trio Wipes system

Introduction

Cidex OPA Solution, containing 0.55% ortho-phthalaldehyde, is a fast and effective way for high-level disinfection of the wide range of endoscopes. It was used for the disinfection of TEE transducer in Grantham Hospital. However, this method of disinfection does have its shortcomings, e.g. potential risk of chemical spillage, accidental inhalation of vapor which is produced by pouring of the solution and the chance of eye contact with the chemicals exists because of splash of the solution. Therefore, the Tristel Trio Wipes system is introduced to replace the Cidex OPA disinfection system to enhance occupational safety of staff. The Tristel Trio Wipes system is a tested, approved and easy-to-use method specially designed for the decontamination of non-lumen medical devices, e.g. TEE transducer. The Tristel Sporicidal Wipe contains Chlorine dioxide chemistry; it destroys all types of microorganisms even spores in 30 seconds. A randomized, single-blind study reported that the Tristel Trio Wipes are equal to Cidex OPA in terms of microbiological efficacy.

Objectives

To enhance staff occupational safety and the system of Cidex OPA disinfection for TEE transducer was replaced by Tristel 3 wipes system successfully.

Methodology

Training and demonstration sessions were held on 25/11/2015 and 23/12/2015. The first transducer disinfection with Tristel Wipes System was done on 6/1/2016. Two APN were assigned as site trainers to supervise staff skill and technique, to ensure staff competence by providing continuous trainings and yearly internal audit.

Result

Total 85 patients underwent TEE in which the transducers were disinfected by Tristel Trio Wipes system in the year of 2016, and no adverse event was reported from patients and staff.

Staff feedback on the Tristel Trio Wipes system that it is easy to use and faster to complete the disinfection process.