Plasma sterilization of Flexible Cystoscopy for emergency patient use

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Keywords:
plasma sterilization
flexible cystoscopy
occupational health safety
urological intervention
Glutaraldehyde
collaboration

Introduction
Flexible Cystoscopy (FC) is a specialized optical device employed for various urological therapeutic interventions of urethra and bladder. Traditionally, it is disinfected prior to and after the examination by immersing cystoscopy into Glutaraldehyde in an automatic cleansing machine. According to OSH policy, all chemical hazards should be eradicated from clinical area. With the collaboration of OT & TSC, plasma sterilization of FC has been started since July 2013. A sterile Flexible Cystoscopy is provided by OT, and the used cystoscopy will be sent to OT for plasma sterilization for further use.

Objectives
The chemical disinfectant (Glutaraldehyde) was abandoned in clinical area and occupational health of staff enhanced.

Methodology
1. Discuss with OT to set up the quotation per month. 2. Set up the logistic of workflow on handling flexible cystoscopy from ward to OT and vice versa. 3. Provide training to corresponding staff to handle the cystoscopy. 4. Flexible cystoscopy Logbook is used for the utilization record.

Result
From Sept/2013 till Jan/2015, total 51 cases have emergency flexible cystoscopy done in clinical area and no Glutaraldehyde was used. Besides, all staff complied new ways of flexible cystoscopy handling and 100% utilization of scope reprocessed by plasma sterilization. Most staff satisfied with current handling of flexible cystoscopy as no more Glutaraldehyde was used in clinical area with occupational health improved.