

POSTER PRESENTATION

Open Access

P293: Infectious risk assessment in the use of digestive endoscopy to hospital in Abidjan

C Assi^{1*}, MF Adeoti²

From 2nd International Conference on Prevention and Infection Control (ICPIC 2013)
Geneva, Switzerland. 25-28 June 2013

Introduction

Gastroscopy can be a source of contamination and can lead to nosocomial bacterial infections. The majority of these infections are caused by inadequately cleaned and disinfected endoscopes.

Objectives

To evaluate bacteriological samples from the practices of cleaning and disinfection in 11 endoscopy centers in Abidjan.

Methods

A prospective, multicenter, cross-sectional, six-month study in 11 of the 30 endoscopy centers in Abidjan (equipment room gastroscope, protective equipment and qualification of personnel, conditions of cleaning, decontamination, disinfection, rinsing, drying and storage gastroscopes, bacterial samples).

Results

It was observed: i) 100% of decontamination and disinfection of endoscopes were carried out by unskilled personnel, ii) 82% of the centers used 2% glutaraldehyde and 73% quaternary ammonium compound with a minimum time of 30 minutes for decontamination and disinfection iii) One center (9%) changed the rinse water after the passage of each patient, iv) 91% of the centers visited were within the concentration recommended by the manufacturers of the products decontamination and disinfection, v) 100% of the centers performed gastroscope and other equipment sampling with positivity in 10 of 11 centers, primarily *Bacillus* in rinsing tanks.

Conclusion

Disinfection of gastroscopes is poor in endoscopy centers in Abidjan because of the presence of germs found in almost all the centers evaluated. Reduced risk of infection requires establishing standards, staff training and regular quality control.

Competing interests

None declared.

Author details

¹Department of Gastroenterology, CHU of Cocody, Abidjan, Côte d'Ivoire.
²Central Laboratory, CHU Yopougon, Côte d'Ivoire.

Published: 20 June 2013

doi:10.1186/2047-2994-2-S1-P293

Cite this article as: Assi and Adeoti: P293: Infectious risk assessment in the use of digestive endoscopy to hospital in Abidjan. *Antimicrobial Resistance and Infection Control* 2013 **2**(Suppl 1):P293.

**Submit your next manuscript to BioMed Central
and take full advantage of:**

- Convenient online submission
- Thorough peer review
- No space constraints or color figure charges
- Immediate publication on acceptance
- Inclusion in PubMed, CAS, Scopus and Google Scholar
- Research which is freely available for redistribution

Submit your manuscript at
www.biomedcentral.com/submit



¹Department of Gastroenterology, CHU of Cocody, Abidjan, Côte d'Ivoire
Full list of author information is available at the end of the article