

POSTER PRESENTATION

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P372: Reduction of HAI Legionella pneumophila pneumonia and Pseudomonas aeruginosa sepsis by control with water supply

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Introduction

Water associated hospital acquired infections with *Legionella pneumophila* and *Pseudomonas aeruginosa* is a problem in many Hospital settings. At Rigshospitalet there was a high incidence of HAI *L. pneumophila* pneumonia compared to other Danish hospitals. In addition several dialyze patients with *P. aeruginosa* septicemia could only be explained by infection through the dialyze catheter during showers.

Objectives

Is it possible to reduce the number of water associated HAI by systematical control of water supply and focused infection control precautions in wards at risk?

Methods

Total germ count and *Legionella* germ count was measured in shower water and drinking water twice a year. Laboratory and standardized in vivo tests were done on shower water. Incidence rates of HAI *L. pneumophila* pneumonia, *P. aeruginosa*, *Acinetobacter baumannii* and *Stenotrophomonas maltophilia* septicemia in hospitalized patients were recorded.

Results

Both the incidence rates of HAI *L. pneumophila* pneumonia, *P. aeruginosa* septicemia in hospitalized patients were reduced more than 50% within a few years.

Figures cannot be shown.

Conclusion

Systematical control of water supply and focused infection control precautions in wards at risk can reduce the number of water associated HAI over time.

Disclosure of interest

None declared.

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