

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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