The Role of Cleaning and Disinfection in the Prevention of Ongoing Candida auris Transmission in a Surgical Intensive Care Unit



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Results

Disclosures

Nothing to Disclose.

Abstract

Candida auris (C. auris) is an emerging multidrugresistant fungal pathogen that spreads easily between hospitalized patients. Research shows that C. auris can contaminate the environment and survive on hospital surfaces for over two weeks. On November 20, 2022, a hospital acquired C. auris infection was identified.

Objectives

Limit spread and curb transmission of C. auris in a surgical intensive care unit (SICU).

Study Design

Three rounds of point prevalence screening (PPS) were performed on potentially exposed patients in the SICU. The medical record was flagged for discharged patients that had contact with a C. auris case or potentially contaminated room to alert staff to screen upon readmission. In partnership with public health, an infection prevention risk assessment of the SICU was performed. A line list displaying room locations and risk factors was created.

PPS conducted from November 29, 2022 to December 20, 2022 revealed an additional 3 positive patients out of 60 screened. Three other cases were identified via Public Health, flagged charts, or link to SICU Room X. In total, 6 additional colonized patients were implicated in the outbreak investigation with 5 consecutive patients linked to one SICU room. Admissions to the room were halted while a protocol was established which emphasized removal of all disposable items, disinfection using an Environmental Protection Agency List P disinfectant, use of an electrostatic sprayer, and changing cubicle curtains upon discharge.

prevent environmental contamination and spread of C.

auris.

Further transmission was avoided after educating all

staff on proper cleaning and disinfection methods to

Conclusion

Education, Isolation Sign and Door Flag



Supply Carts - Possible Source of Cross Contamination



References

Centers for Disease Control and Prevention. Candida auris. https://www.cdc.gov/fungal/candida-auris/index.html. September 26, 2023

Association for Professionals in Infection Prevention and Epidemiology. Playbook: Candida auris. https://apic.org/candida-auris/. May 24, 2023



Date of Laboratory Testing

