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Abstract



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Category: Healthcare

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Abstract:

Background of the study: Nosocomial urinary tract infections are the most common of hospital acquired infections comprising about 40%. Majority are related to catheterization or other predisposing factors. Candiduria is rarely encountered in otherwise healthy people with structurally normal urinary tract. It is however of common occurrence in hospitalized patients. Candida spp. account for almost 10-15% of nosocomial urinary tract infections. Objectives: Present study was undertaken to identify various pathogens causing nosocomial UTI, and further study including identification of yeasts and to analyze the various risk factors associated with candiduria in hospitalized patients. Methodology: 195 urinary isolates of patients admitted in hospital 73 days were screened. The bacterial and yeast isolates were identified by conventional methods. Results: Of the 195 samples from the cases of suspected nosocomial UTI screened, 131(67.17%) yielded growth, amongst which 17 (12.9%) were Candida species. Amongst the bacterial isolates, E.coli (38.16%) was the most common followed by Citrobacter spp. (16.0%), Klebsiella pneumoniae (12.2%) and others. Whereas, among the Candida isolates C. tropicalis (41.1%) was found to be predominant followed by C. guilliermondi (23.5%), C. albicans (17.6%), C. krusei (11.7%) and C.glabrata (5.8%). Majority of the patients were having various predisposing factors. Conclusion: Non albicans species were predominant amongst the Candida isolates, majority of patients were having predisposing factors emphasizing the need of proper surveillance of nosocomial UTI for appropriate treatment.

Keywords: Nosocomial UTI, Candiduria, non-albicans Candida

+ Citation:

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Best Article Award

Microalbuminuria (Biomarkers of Cardiovascular Dysfunction) with Echocardiographic, Bronchoscopic and HighResolution Computed Tomography Findings of These ILD Patients" is awarded Best Article of Vol 12 issue 13

A Study by **Kannamani Ramasamy et al.** entitled "COVID-19 Situation at Chennai City – Forecasting for the Better Pandemic Management" is awarded best article for Vol 12 issue 12

List of Awardees

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