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Short Communication

Candida Haemulonii Infection: An Emerging Nosocomial Fungal Pathogen With Invasive Candidiasis, Antifungal Resistance and Diagnostic Challenges In Resource Limitted Setting

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ABSTRACT

The commonly isolated pathogen in cases of Candidiasis is the Candida spp. The unique aspect of C. haemulonii epidemiology is its emergence as a multidrug resistant fungal pathogen with ability to spread from patient to patient, as a pathogen and a colonizer standing out as a nocosomial infection. The successful identification of Candida haemulonii is very important in treatment and management of patients for successful clinical outcome. C. haemulonii have been misidentified and commonly observed to cause invasive infections. It is important to identify these Candida pathogens down to the species level, as it will help in tackling the menace of antifungal resistance that is on the increase globally. Conventional identification techniques used by diagnostic laboratories in identifying fungal pathogens is critical in combating the menace, likewise some criteria are needed to be put in consideration like cost, expertise, laboratory equipments. This mini- review elucidates on the literature available on C. haemulonii and highlights the epidemiology, risk factors, laboratory diagnosis, antifungal resistance and others, which will give further direction to extensive research in this field..

Biography

Odubunmi Oluwatosin Ayobami is a medical laboratory scientist by profession registered with the Medical Laboratory Science Council of Nigeria. He is a committed, enthusiastic, focus and analytical-minded biomedical scientist professional having Bachelor of Medical Laboratory sciences (Hons) degree with specialty in medical microbiology from Ladoke Akintola University of Technology, Nigeria having knowledge in laboratory medicine, molecular diagnostics, quality assurance with more than eight years of experience in public practice from the tertiary to primary healthcare institutions performing medical laboratory services with precision and accuracy. The experience in working with the three tiers of government in the health sector as afforded him to understanding and having knowledge of management roles in laboratory medicine. He is currently pursuing a Master of Science degree in Medical Microbiology at the Department of Biological Sciences, Faculty of Basic Medical and Applied Sciences, Lead City University, Nigeria. He has also been involved in outbreak investigations of infectious diseases: the COVID-19 sample collections in Ibarapa North Local government area of Oyo state, Nigeria. He is a trained Mycobacterium Tuberculosis microscopist by Federal Ministry of Health, Department of Public Health, National Tuberculosis and Leprosy control programme in collaboration with WHO,CIDA,USAID,GFATM and ILEP at Government Chest Hospital, Jericho Ibadan Oyo state Nigeria. He has attended more than twenty conferences and workshops in Nigeria.

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