

Prevalence of Pseudomonas Aeruginosa in Patients with Otitis Media in Federal Medical Centre, Owerri, Imo State Nigeria

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Abstract

The prevalence of Pseudomonas aeruginosa in seventy (70) patients with Otitis media was investigated. Specimen of ear swab were collected with sterile swab sticks at Federal Medical Centre, Owerri and fifty (50) bacterial isolates were investigated in both males and females. The results indicated that 71.4% of the patients were suffering from otitis media while 28.6% were without it. Microbiological and biochemical analysis of the bacterial isolated showed Pseudomonas aeruginosa predominated (35.7% in males and 36.4% in females), followed by Proteus species (21.4% in males and 13.6% in females), Haemophilus species (10.7% in males and 22.7% in females), Staphylococcus species (14.3% in males and 13.6% in females), while Streptococcus species (14.3% in males and 9.1% in females) has the least effect. The antibiotic susceptibility profile of the bacterial isolates revealed high resistance to Vancomycin, Erythromycin, Ampicillin and Tetracycline and were not active agent on any of the bacterial isolates while Amikacin, Gentamicin (Gm), Tobromycin (TOB), Ciprofloxacin (CIP), Lavofloxacin (LEX), Penicillin (Pip), Caftazidene (CAF), Cepirome (CEF) were susceptible. Regular cleaning and checking of the ear help to prevent the inflammation which when not properly treated can lead to temporary ear deafness.

Biography

Akwukwaegbu R.N is Experienced Implementor with a demonstrated history of working in the Department of microbiology, Imo State University, Owerri. Skilled in Business Process, Analytical Skills, Strong operations professional with a Master of Science focused in Strategic Information.