

## BACTERIOLOGICAL EVALUATION AND ANTIBIOTIC SENSITIVITY PATTERN IN TONSILLITIS AMONG UNIVERSITY STUDENTS IN KERKUK PROVINCE, IRAQ

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**T**onsillitis is a common bacterial disease caused by ( $\beta$ -haemolytic streptococci group-A), spread in most part of the world causes inflammation of tonsils while it could also be caused by Adeno and Epstein-Barr viruses. The objective was to determine the bacterial aetiology of Tonsillitis and their susceptibility to antibiotics amongst the university students within Kerkuk province. Only 148 throat swabs were collected from student and assessed in laboratory. The bacterial causes involved  $\beta$ -haemolytic streptococci group-A (29.7%), *Staphylococcus aureus* (17.6%) *Pseudomonas aeruginosa* (10.8%), *Klebsiella* spp. (5.4%) and *E. coli* (1.4%) respectively. The infection prevalence was 23.6% and 8.8% in rural and urban areas, respectively. Antimicrobial sensitivity assessment showed that all the bacterial isolates were 100% sensitive towards Ceftazidime and relatively high resistant to Ampicillin but varied in their sensitivity to other antibiotics. Both  $\beta$ -haemolytic streptococci group-A and *Staphylococcus aureus* showed high sensitivity for Cefotaxime) 91% and 92 %, respectively. The *Pseudomonas aeruginosa* gave showed (87.5%) sensitivity to Ciprofloxacin while *Klebsiella* spp (75%) while the *E. coli* showed multi resistance to many antibiotics. It is concluded that Bacteria causing tonsillitis are of various species which their resistance to antibiotics vary enormously. Such variation endure the general practitioners to have cultural Tests carried out prior prescribing an effective and righteous antibiotic for patients.

### Biography

Ayoub A Bazzaz has completed his PhD from Nottingham University, UK and continued postdoctoral research works for over 10 years at Leeds, Liverpool and Cardiff Universities in UK. He is one of the founder of Faculty of Medicine of Tikrit University, Iraq and first head of Anatomy department 1988-1991. Has supervised and refereed many PhD and MSc students in Iraq, KSA, Libya and UK and has over 55 published scientific papers in reputed International journals.

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