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Evaluation of the Antimicrobial Effect of Expired Oral Antibiotics *In-Vitro*

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Introduction: In spite of significant risks and the non-clinical importance due to loss of potency, stiff penalties against administration of expired medications are still not appropriately enforced by health policy makers in developing countries [1]

Objective: To investigate the effect of expiration on in vitro potency of oral antibiotic

Methodology: Azithromycin, Clarithromycin, levofloxacin, cloxacillin, Tetracycline, Doxycycline; both control [un expired] and investigated [expired] antibiotic were compared based on the antimicrobial potentials by challenging local isolates of different concentration of *S.aureus* using agar diffusion technique

Results: All Azithromycin, Clarithromycin, Levofloxacin and Cloxacillin showed significant difference (P- values: 0.005, 0.000, 0.000 and 0.001 respectively). The Difference in means of zone inhibition were 4.3mm, 7.3 mm, 8.3mm and 5.29mm respectively, which is still within the accepted efficacy range

Biography:

Dr. Sasha Suliman holds an MSc degree in clinical pharmacy, from the University of Kabangsaan Malaysia (UKM), As human beings experience a disease or trauma, her great passion is bringing healing to them. She finds herself in providing knowledge to others specially, for students to help sick people getting better. So keen in building a transparent relationship with her students' because she believes that through them and she will be able to achieve her goal in healing people. There is no single approach is the right one for every individual, and got trained herself to deal with each individual.