

EFFECT OF NSAIDs ON GROWTH OF CERTAIN TYPES OF BACTERIA

Abdulelah A. Al-Mayah, Eiman A. Saeed, Ahmad H. Nema

***Department of Pharmacology and clinical Lab. Science**

****Department of Clinical Pharmacy and Pharmaceutics. College of Pharmacy, University of Basra, Basra, Iraq**

Keywords:- NSAIDs, Paracetamol , MIC

ABSTRACT

Four bacterial isolates of *Staphylococcus aureus*, *Escherichia coli*, *Pseudomonas aeruginosa*, and *Bacillus subtilis* were experimented for antimicrobial activity of four types of NSAIDs (Diclofenac sodium, Meloxicam, Piroxicam, and Paracetamol) by test tube MIC and disc diffusion method. Antimicrobial activity were detected between increased NSAIDs concentrations and inhibition growth of bacterial isolates. MIC and disc diffusion methods have antimicrobial activity against bacterial isolates. These results may be an explanation of abdominal disturbances of patients those subjected to intensive course of NSAIDs.