

Determination of antibiotics susceptibility of *Pseudomonas aeruginosa*  
Isolated from Al-Diwaniya teaching Hospital

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Abstract

In this study, 390 samples were collected from different sources from Al-Diwaniya teaching Hospital during the period of November 2011 until March 2012 and the process of collecting samples randomly for the purpose of knowing hotbeds of pollution *Ps. aeruginosa*, which was one of the objectives of this study and the consequent of diagnostic procedures and preventive and therapeutic clinical sample included 292, 98, an environmental sample ), Showed the results of tests biochemical ownership of 50 isolates (39 isolates originating from clinical samples and 11 isolates originating from environmental samples) for bacteria *Ps. aeruginosa*.

Drug sensitivity assay was carried out for all the 50 isolates of *Ps. aeruginosa* to 22 kinds of antibiotics way the spread of the disk's Kirby - Bauer, were all isolates were resistant to at least three classes of antibiotics, so I returned these isolates were multi-resistant Multy-Drug-Resistant (MDR), also found isolates resistant to classes of antibiotics except One or two of antibiotics studied so promised isolates with stiff resistance extensively-drug-resistant (XDR), and tow isolates only resisted all antibiotics studied pan-drug-resistant(PDR).