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| **Estimation of the prevalence of mycobacteria in domestic pigeon and local chickens in some area of Baghdad Government.** | Research Title  |
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| **This study was designated to determine the prevalence of Mycobacteria in domestic pigeon and local chickens ,107rectal swabs were collected,86swab from pigeon,21 swab from chickens different area of Baghdad( Al-saydyia,Al-bayaa,Al-amyria ,Hayfa street) during period between October / 2008 – may /2009 ,the swabs were cultured on special media for the mycobacteria ( Lowenstein- Jenson media) and incubated at 42 c° for 8 weeks.****Diagnosis of mycobacteria was based on rate of growth ,charasteristics of bacterial colonies ,direct microscopic examination by acid fast stain and the ability of production of chromogenes.****The results reveld isolation of mycobacteria species which appeared during 2-8 weeks ,the colony morphology accepted with colony morphology of mycobacteria spp. Which are non- chromogenic after exposure to strong light.****Also the results reveled 11 of 107 sample (10.3%) were found positive for pathogenic Mycobacteria . one isolate (5%) during December ,5isolate (29.4%) during February.while 2 isolates(14.2%) during April , and 2isolates (13.3%) during May.From chicke one isolate was recovered (4.8%) during May also.****From this study we concluded that domestic pigeon and local chickens are important sources for dissemination of mycobacterial infections and these birds have long life which helpe continouse transportation of infections to humanse & animals** | Abstract |