



Association of IL-18 cytokine and HLA-DRB1 alleles with arthritis patients

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Abstract : The current study was conducted to investigate the role of some aspects of immunogenetics that related with arthritis . Fifty blood samples were collected from people who reviewed Marjan hospital Hilla-Iraq, with 25 samples from apparently health people for period of October 2015 to March 2016. Immunological study involved estimate the level of IL-18 in certain arthritis patients using ELISA technique , the estimation of IL-18 revealed significantly increased in all patients by contrast with control group with mean value 133.93 pg/ml in rheumatoid arthritis (RA) patients and 103 .3pg/ml for osteoarthritis (OA) patients with $P < 0.01$. The possibility of detection of histocompatibility antigens HLA(DRB1) alleles related genetically with disease by using (PCR-SSP) was performed and showed that no significant differences between RA & OA patients with DRB1 (0301 & 0701).

Keywords : Arthritis ,IL18 , HIA, Immunogenetic.

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