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Thesis Title	Effects of CD20 Inhibitor Th	erapy in Comparison to TNF α	
	Inhibitor Therapy on Serum IL-17 in Patients with Active		
	Rheumatoid Arthritis		
Year	2013		
Abstract	2015 Background : Rheumatoid arthritis (RA) is a chronic , systemic , inflammatory disorder that may affect many tissues and organs ,but principally attacks flexible(synovial) Joints , the pathogenesis of RA is not completely understood . Objective : To evaluate the effects of CD20 inhibitor therapy in comparison to effects of TNF α inhibitor therapy on serum IL-17 in patients with active rheumatoid arthritis. Setting : This study was performed during the period from October 2012 to May 2013 . The subject were selected from the patients attending the out patients clinic in Medical city /Baghdad Teaching Hospital / Rheumatology unit and the laboratory tests were done in Medical City /Teaching Laboratories . II Subjects : The study include 70 patients and 20 healthy control individuals , their age range from 20 – 68 years . The patients were divided into three groups: - Group (1)consist of 20 RA patients received disease modifying anti rheumatic drugs(DMARDs) Group(2) consist of 25 RA patients received biological treatment Etanercept (anti TNF α) Group(3) consist of 25 RA patients received biological treatment Rituximab (anti CD20). Methods : Enzyme Linkade Immunosorbent Assay (ELISA) test was used for the determination of IL-17 , Leptin and hsCRP , while colorimetric		

factor (RF) was detected by serological investigation . The only anthropometric parameter in this study was body mass index(BMI).
III
Results :
The current results revealed that serum levels of hsC-RP, ESR
and RF were significantly higher in patients than in healthy controls. While serum level of IL-17 was significantly lower in patients who
are undertreatment than in healthy control ($P < 0.05$).
There was significant difference among groups : serum level of IL-17 :
- in group 1 higer than in group $2(P < 0.05)$
- in group 2 higer than in group $3(P < 0.05)$
There was no significant difference between all the groups in this
study regarding level of uric acid ($P > 0.05$) and the level of the
lentin ($P > 0.05$) also significant positive correlation among each
of FSR hsC-RP IL $.17$ (P < 0.05) and (0 < r < 1+)
$Conclusion \cdot$
\Box II -17 has a significant effect on the nathogenesis of RA
\Box II -17 has a significant effect on the pathogenesis of KY.
RA receiving DMARDs compared to RA patients receiving
hiological treatment
\Box In nations, with biological treatment these received
TNFa inhibitor (Ftanercent) has a high II -17 level
compared to these received CD20 inhibitor (Rituximah)
\Box II -17 can be used as a marker for RA activity
- 11-17 can be used as a marker for KA activity.