













**Table 3:** Relation between dysfunction with TNF alpha gene, factor V mutation and OPG

	Dysfunction				Test of Sig.	P
	No(n=20)		Yes(n=40)			
	No.	%	No.	%		
<b>TNF alpha</b>						
Wild	15	75.0	13	32.5	$\chi^2=9.676^*$	0.002*
Hetero	5	25.0	27	67.5		
<b>Fv</b>						
Wild	16	80.0	29	72.5	$\chi^2=4.051$	MC p= 0.105
Hetero	1	5.0	9	22.5		
Mutant	3	15.0	2	5.0		
<b>OPG</b>					T	P
Min. – Max.	21.70 – 190.0		103.40 - 468.40		8.277*	<0.001*
Mean ± SD.	89.42 ± 41.76		231.76 ± 91.32			
Median	83.40		197.10			

$\chi^2$ , p:  $\chi^2$  and p values for Chi square test for comparing between the two groups  
 \*: Statistically significant at  $p \leq 0.05$ , MC: Monte Carlo for Chi square test, t: Student t-test