

Table 2: Macroscopic adhesion score, biochemical, histopathological findings and VEGF H-Score results

Variable	Mean \pm standart deviation				P-value*	p-value**
	CG	CoG	LLG	HLG		
VEGF	283,75 \pm 69,88	351,42 \pm 96,47	313 \pm 45,4	295 \pm 86,44	p=0.427	
TAC	0,77 \pm 0,32	0,58 \pm 0,13	0,68 \pm 0,37	0,74 \pm 0,32	p=0.636	
MDA	13 \pm 3,82 ^a	20,48 \pm 5,29 ^{a,b}	16,08 \pm 4,27	11,47 \pm 1,47 ^b	P=0.005	p ^a =0.014 p ^b =0.007
Adhesion score						
Extend	2,71 \pm 0,48 ^{b,c}	2,85 \pm 0,37 ^{d,e}	1,4 \pm 0,54 ^{c,d}	1,4 \pm 0,54 ^{b,e}	p=0.000	P ^b =0.001 p ^c =0.001 P ^d =0.001 P ^e =0.001
Severity	1,71 \pm 0,48 ^b	2 \pm 0,81 ^{d,e}	0,8 \pm ,44 ^d	0,4 \pm 0,54 ^{b,e}	p=0.001	p ^b =0.007 p ^d =0.015 p ^e =0.001
Degree	1,42 \pm 0,78 ^b	1,42 \pm 0,78 ^e	0,4 \pm 0,54	0,2 \pm 0,44 ^{b,e}	p=0.007	p ^b =0.029 p ^e =0.029
Total	5,85 \pm 1,21 ^{b,c}	6,28 \pm 1,49 ^{d,e}	2,6 \pm 1,14 ^{c,d}	2 \pm 1,41 ^{b,e}	p=0.000	p ^c =0.002 p ^b =0.000 p ^d =0.001 p ^e =0.000
Histopathological findings and VEGF H-Score						
Inflammation	4,21 \pm 1,3	4,01 \pm 2,30	3,9 \pm 1,36	1,10 \pm 2,1*		
Edema	2,42,0 \pm 2,2	2,33 \pm 0,26	2,212 \pm 0,72	0,11 \pm 0,64*		
VEGF H-Score	271,30 \pm 2,41	265,12 \pm 0,96	152,23 \pm 1,10 [#]	132,56 \pm 1,12 [#]		

CG: control group, CoG: corn oil group, LLG: low lycopene group, HLG: high lycopene group, VEGF: vascular endothelial growth factor, TAC: total antioxidant capacity, MDA: malondialdehyde

P^a: comparison between CG and CoG, P^b: comparison between CG and HLG, P^c: comparison between CG and LLG, P^d: comparison between CoG and LLG, P^e: comparison between CoG and HLG

* Statistically significant difference compared to CG, CoG and LLG (p <0.05). # Statistically significant difference compared to CG and CoG (p <0.05).

*Data was analysed using oneway anova test, **Data was analysed using Tukey HSD test