

Table (1): maximum angle of extension, histopathological score, and biochemical changes in different OA groups.

Animal groups	Maximum angle of knee extension (degree)	Histopathological score	Serum	Serum	GSH(mg/dl)
			IL1- β (ng/ml)	MMP13 (pg/ml)	
Control non-osteoarthritic group	22(20-25)	0 \pm 0	0.26 \pm 0.02	6.3 \pm 0.50	14.86 \pm 0.58
Non-treated OA group	55(50-60) [#]	10.97 \pm 1.13 [#]	0.77 \pm 0.08 [#]	20.39 \pm 0.86 [#]	6.86 \pm 0.37 [#]
Glucosamine treated OA group	31(26-34) ^{##\$}	3.9 \pm 0.52 ^{##}	0.30 \pm 0.03 ^{##\$}	9.27 \pm 0.84 ^{#\$*}	11.30 \pm 0.32 ^{##*}
Atorvastatin treated OA group	29(26-32) ^{##\$}	1.66 \pm 0.57 ^{##\$}	0.46 \pm 0.09 ^{##\$}	7.3 \pm 0.50 ^{#\$*}	11.98 \pm 0.37 ^{##\$}

Data are presented as means \pm SD, n=8 rats in all except the maximum angle of knee extension presented as median (range).

Significant at (p< 0.05).

Significance versus control normal group.

* Significance versus osteoarthritic group.

\$ Significance versus glucosamine treated group.