

Supplementary files

Supplementary Tables

Table 1: Effect of different treatment protocols on the body weight of BDL rats at various time intervals.

	Pre value	3 rd week	4 th week	5 th week	6 th week
Group A	225±9.34	268±7.78 ^{ac*}	266.6±5.46 ^{a*}	272±8.23 ^{a*}	274±7.83 ^{a*}
Group B	246.4±9.34	219.4±7.78 ^{bd}	215.2±5.46 ^b	202.00±8.23 ^{b*}	204.0±7.83 ^{b*}
Group C	231.8±9.34	217.4±7.78 ^{bc}	217.8±5.46 ^b	234.2±8.23 ^{ab}	241.4±7.83 ^{ac}
Group D	216.6±9.34	196±7.78 ^b	198.4±5.46 ^b	220.4±8.23 ^b	208.4±7.83 ^b
Group E	242.6±9.34	230.8±7.78 ^{abc}	224±5.46 ^c	265.6±8.23 ^{ac}	255.8±7.83 ^{ad}
Group F	235.8±9.34	239.2±7.78 ^{cd}	247±5.46 ^{ac}	229.2±8.23 ^{bc}	236.8±7.83 ^{ac}
Group G	206.8±9.34	218.2±7.78 ^{bd}	205.8±5.46 ^b	242.8±8.23 ^{ab}	230.2±7.83 ^{cd}
Group H	224.4±9.34	205±7.78 ^{bd}	214±5.46 ^b	224.8±8.23 ^b	254.8±7.83 ^{ad}
Group I	226.4±9.34	207±7.78 ^{bd}	228±5.46 ^c	234.8±8.23 ^{ab}	249.4±7.83 ^{ad}

Values are given as mean±SE for 5 rats in each interval in each group (n=20).

Each value not sharing a common letter superscript is significantly different (P<0.05).

* Mean values differ significantly within the group (P<0.05).

Table 2: Effect of different treatment protocols on the liver weight of BDL rats at various time intervals.

	Pre value	3 rd week	4 th week	5 th week	6 th week
Group A	11.25±0.96	13.4±1.62 ^a	13.33±1.54 ^a	13.6±1.5 ^a	13.7±1.54
Group B	13.61±1.05	22.38±1.77 ^{b*}	23.76±1.69 ^b	22.57±1.64 ^b	20.57±1.68 [*]
Group C	13.91±1.05	14.6±1.77	18.6±1.69 [*]	16.4±1.64	18.4±1.68
Group D	13±1.05	14.4±1.77	15±1.69 ^{ac}	15±1.64	12.6±1.68
Group E	13.79±1.05	13.6±1.77 ^{ac}	20.4±1.69 [*]	15.4±1.64	20±1.68 [*]
Group F	14.15±1.05	20±1.77	18±1.69	16.6±1.64	20.6±1.68 [*]
Group G	12.41±1.05	18.8±1.77 [*]	16.8±1.69 ^{ac*}	14.4±1.64	16±1.68
Group H	13.46±1.05	18.8±1.77 [*]	17.2±1.69	15.6±1.64	17.6±1.68
Group I	14±1.05	15.4±1.77 ^{ac}	14.8±1.69	15±1.64	14±1.68

Values are given as mean±SE for 5 rats in each interval in each group (n=20).

Each value not sharing a common letter superscript is significantly different (P<0.05).

* Mean values differ significantly within the group (P<0.05).

Table 3: Effect of different treatment protocols on the serum glucose of BDL rats at various time intervals.

	Pre value	3 rd week	4 th week	5 th week	6 th week
Group A	101.6±8.28	104.4±3.52 ^{ac}	112±8.03 ^{ac}	129±2.66 ^a	124±4.64 ^a
Group B	120±8.28	90.0±3.52 ^{ad}	92±8.03 ^{abc}	78.2±2.66 ^{bd}	82.6±4.64 ^b
Group C	117.6±8.28	117.4±3.52 ^c	102.8±8.03 ^{abc}	99±2.66 ^{cef}	87.6±4.64 ^b
Group D	101.6±8.28	43.6±3.52 ^b	75.6±8.03 ^{ab}	75.6±2.66 ^b	78.6±4.64 ^b
Group E	132.2±8.28	109±3.52 ^{ce}	69.4±8.03 ^b	88±2.66 ^{bc}	93.0±4.64 ^b
Group F	106.6±8.28	78.6±3.52 ^d	82.4±8.03 ^{abc}	90.4±2.66 ^{cde}	93.4±4.64 ^b
Group G	106.2±8.28	114.2±3.52 ^{ce}	116.2±8.03 ^c	103.4±2.66 ^{ef}	101±4.64 ^{bc}
Group H	116±8.28	113.8±3.52 ^{ce}	106.4±8.03 ^{abc}	104.4±2.66 ^f	118.6±4.64 ^a
Group I	115.4±8.28	99.6±3.52 ^{ae}	111.2±8.03 ^{ac}	116.6±2.66 ^{af}	118.8±4.64 ^a

Values are given as mean±SE for 5 rats in each interval in each group (n=20).

Each value not sharing a common letter superscript is significantly different (P<0.05).

* Mean values differ significantly within the group (P<0.05).

Table 4: Effect of different treatment protocols on the aspartate aminotransferase (AST) of BDL rats at various time intervals.

	Pre value	3 rd week	4 th week	5 th week	6 th week
Group A	156.79±3.57	156.97±9.8 ^a	158.89±9.8 ^a	156.31±17.25 ^a	157.76±15.56 ^a
Group B	158.05±3.57	268.82±9.8 ^{b*}	259.46±9.8 ^{b*}	400.87±17.25 ^{b*}	630.53±15.56 ^{b*}
Group C	155.94±3.57	197.83±9.8 ^{ac*}	191.97±9.8 ^{ac*}	294.77±17.25 ^{c*}	312.26±15.56 ^{d*}
Group D	157.91±3.57	197.47±9.8 ^{cd*}	211.41±9.8 ^{c*}	345.66±17.25 ^{bc*}	436.67±15.56 ^{c*}
Group E	149.44±3.57	218.97±9.8 ^{c*}	204.85±9.8 ^{ac*}	336.62±17.25 ^{bc*}	439.37±15.56 ^{c*}
Group F	152.86±3.57	211.13±9.8 ^{c*}	198.73±9.8 ^{ac*}	266.31±17.25 ^{cd*}	329.76±15.56 ^{d*}
Group G	151.71±3.57	188.58±9.8 ^{ac*}	210.86±9.8 ^{c*}	217.66±17.25 ^{ad*}	288.76±15.56 ^{d*}
Group H	148.83±3.57	177.44±9.8 ^{ac}	190.01±9.8 ^{ac*}	206.04±17.25 ^{ad*}	261.67±15.56 ^{de*}
Group I	151.91±3.57	172.49±9.8 ^{ac}	182.27±9.8 ^{ac}	196.19±17.25 ^{ad*}	227.51±15.56 ^{ae}

Values are given as mean±SE for 5 rats in each interval in each group (n=20).

Each value not sharing a common letter superscript is significantly different (P<0.05).

* Mean values differ significantly within the group (P<0.05).

Table 5: Effect of different treatment protocols on the alanine aminotransferase (ALT) of BDL rats at various time intervals.

	Pre value	3 rd week	4 th week	5 th week	6 th week
Group A	36.49±0.74	39.35±0.73 ^a	40.90±1.17 ^{a*}	40.46±2.09 ^a	41.21±1.29 ^{a*}
Group B	38.57±0.74	55.56±0.73 ^{b*}	96.44±1.17 ^{b*}	121.41±2.09 ^{b*}	155.44±1.29 ^{b*}
Group C	40.08±0.74	49.29±0.73 ^{cde*}	89.43±1.17 ^{c*}	97.64±2.09 ^{cdf*}	130.52±1.29 ^{df*}
Group D	39.10±0.74	52.26±0.73 ^{bcd*}	90.97±1.17 ^{bc*}	106.10±2.09 ^{c*}	140.66±1.29 ^{c*}
Group E	38.73±0.74	52.94±0.73 ^{bd*}	91.21±1.17 ^{bc*}	103.70±2.09 ^{cd*}	139.56±1.29 ^{c*}
Group F	38.94±0.74	50.51±0.73 ^{de*}	90.42±1.17 ^{c*}	99.95±2.0 ^{cdf*}	134.68±1.29 ^{de*}
Group G	38.75±0.74	50.29±0.73 ^{de*}	89.86±1.17 ^{c*}	95.56±2.09 ^{def*}	128.71±1.29 ^{df*}
Group H	39.80±0.74	49.69±0.73 ^{de*}	88.27±1.17 ^{c*}	96.07±2.09 ^{cef*}	125.98±1.29 ^{ef*}
Group I	39.32±0.74	47.07±0.73 ^{e*}	86.17±1.17 ^{c*}	91.78±2.09 ^{f*}	116.91±1.29 ^{e*}

Values are given as mean±SE for 5 rats in each interval in each group (n=20).

Each value not sharing a common letter superscript is significantly different (P<0.05).

* Mean values differ significantly within the group (P<0.05).

Table 6: Effect of different treatment protocols on the serum total protein of BDL rats at various time intervals.

	Pre value	3 rd week	4 th week	5 th week	6 th week
Group A	6.4±0.18	6.03±0.11 ^{a*}	6.38±0.1 ^{a*}	6.21±0.08 ^{a*}	6.4±0.13 ^{a*}
Group B	6.38±0.18	4.77±0.11 ^{b*}	4.58±0.1 ^{b*}	4.36±0.08 ^{b*}	3.33±0.13 ^{b*}
Group C	6.29±0.18	5.39±0.11 ^{c*}	5.46±0.1 ^{c*}	5.38±0.08 ^{cd*}	5.38±0.13 ^{def*}
Group D	6.33±0.18	5.5±0.11 ^{cd*}	5.41±0.1 ^{c*}	5.02±0.08 ^{c*}	4.62±0.13 ^{ce*}
Group E	6.45±0.18	5.36±0.11 ^{c*}	5.43±0.1 ^{c*}	4.47±0.08 ^{b*}	4.55±0.13 ^{c*}
Group F	6.5±0.18	5.36±0.11 ^{c*}	5.49±0.1 ^{c*}	5.38±0.08 ^{cd*}	5.23±0.13 ^{ef*}
Group G	6.52±0.18	5.53±0.11 ^{ac*}	5.63±0.1 ^{c*}	5.59±0.08 ^{de*}	5.44±0.13 ^{df*}
Group H	6.37±0.18	5.69±0.11 ^{ac*}	5.7±0.1 ^{c*}	5.72±0.08 ^{de*}	5.64±0.13 ^{df*}
Group I	6.34±0.18	5.98±0.11 ^{ad}	5.76±0.1 ^{c*}	5.9±0.08 ^{ae}	5.88±0.13 ^d

Values are given as mean±SE for 5 rats in each interval in each group (n=20).

Each value not sharing a common letter superscript is significantly different (P<0.05).

* Mean values differ significantly within the group (P<0.05).

Table 7: Effect of different treatment protocols on the serum albumin of BDL rats at various time intervals.

	Pre value	3 rd week	4 th week	5 th week	6 th week
Group A	4.36±0.24	4.4±0.31	4.31±0.44	4.22±0.39	4.37±0.39 ^a
Group B	4.29±0.24	3.31±0.31	2.98±0.44	2.46±0.39 ^{a*}	1.98±0.39 ^{b*}
Group C	4.64±0.24	3.37±0.31 [*]	3.89±0.44	3.24±0.39 [*]	2.81±0.39 [*]
Group D	4.32±0.24	3.43±0.31	3.79±0.44	3.37±0.39	3.21±0.39
Group E	4.37±0.24	2.95±0.31 ^{a*}	3.98±0.44	3.37±0.39	3.08±0.39
Group F	4.55±0.24	3.18±0.31 [*]	3.83±0.44	3.06±0.39 [*]	4.29±0.39 ^a
Group G	4.53±0.24	4.07±0.31	3.82±0.44	4.53±0.39 ^b	3.98±0.39 ^a
Group H	4.38±0.24	4.65±0.31 ^b	4.48±0.44	3.88±0.39	4.08±0.39 ^a
Group I	4.49±0.24	3.05±0.31 ^{a*}	3.35±0.44	4.09±0.39	3.64±0.39

Values are given as mean±SE for 5 rats in each interval in each group (n=20).

Each value not sharing a common letter superscript is significantly different (P<0.05).

* Mean values differ significantly within the group (P<0.05).

Table 8: Effect of different treatment protocols on the serum globulin of BDL rats at various time intervals.

	Pre value	3 rd week	4 th week	5 th week	6 th week
Group A	2.04±0.29	1.64±0.32	2.07±0.45	1.98±0.38	2.04±0.43
Group B	2.09±0.29	1.46±0.32	1.59±0.45	1.9±0.38	1.34±0.43
Group C	2.02±0.29	2.07±0.32	1.62±0.45	1.65±0.38	1.41±0.43
Group D	2.08±0.29	2.41±0.32	1.46±0.45	1.1±0.38	1.47±0.43
Group E	1.65±0.29	2.02±0.32	1.57±0.45	2.14±0.38	2.58±0.43
Group F	1.94±0.29	2.18±0.32	1.66±0.45	2.33±0.38	0.94±0.43
Group G	1.99±0.29	1.46±0.32	1.8±0.45	1.06±0.38	1.46±0.43
Group H	1.99±0.29	1.04±0.32 ^a	1.22±0.45	1.84±0.38	1.56±0.43
Group I	1.85±0.29	2.93±0.32 ^b	2.41±0.45	1.81±0.38	2.24±0.43

Values are given as mean±SE for 5 rats in each interval in each group (n=20).

Each value not sharing a common letter superscript is significantly different (P<0.05).

* Mean values differ significantly within the group (P<0.05).

Table 9: Effect of different treatment protocols on the alkaline phosphatase of BDL rats at various time intervals.

	Pre value	3 rd week	4 th week	5 th week	6 th week
Group A	143.3±6.91	149.65±15.02 ^a	147.24±5.7 ^a	149.77±6.74 ^a	151.34±4.98 ^a
Group B	138.61±6.91	235.62±15.02 ^{b*}	253.74±5.7 ^{b*}	271.28±6.74 ^{b*}	295.85±4.98 ^{b*}
Group C	142.52±6.91	218.01±15.02 ^{ab*}	199.74±5.7 ^{c*}	187.41±6.74 ^{ce*}	186.45±4.98 ^{d*}
Group D	146.81±6.91	220.84±15.02 ^{ab*}	244.45±5.7 ^{b*}	251.41±6.74 ^{b*}	238.48±4.98 ^{c*}
Group E	143.90±6.91	227.36±15.02 ^{ab*}	243.57±5.7 ^{b*}	219.00±6.74 ^{bd*}	228.25±4.98 ^{c*}
Group F	141.55±6.91	194.64±15.02 ^{ab*}	199.95±5.7 ^{c*}	193.67±6.74 ^{cde*}	176.19±4.98 ^{d*}
Group G	139.25±6.91	205.80±15.02 ^{ab*}	199.21±5.7 ^{c*}	167.54±6.74 ^{ae*}	171.57±4.98 ^{d*}
Group H	140.64±6.91	160.48±15.02 ^a	198.70±5.7 ^{c*}	182.53±6.74 ^{ae*}	167.21±4.98 ^{d*}
Group I	142.09±6.91	181.72±15.02 ^{ab}	175.09±5.7 ^{c*}	175.37±6.74 ^{ae*}	164.88±4.98 ^{d*}

Values are given as mean±SE for 5 rats in each interval in each group (n=20).

Each value not sharing a common letter superscript is significantly different (P<0.05).

* Mean values differ significantly within the group (P<0.05).

Table 10: Effect of different treatment protocols on the gamma glutamyl transferase of BDL rats at various time intervals.

	Pre value	3 rd week	4 th week	5 th week	6 th week
Group A	4.49±0.19	4.75±0.73 ^a	4.5±0.64 ^a	4.18±1.83 ^a	5.28±1.12 ^a
Group B	4.29±0.19	24.30±0.73 ^{b*}	46.56±0.64 ^{b*}	74.08±1.83 ^{b*}	116.42±1.12 ^{b*}
Group C	4.73±0.19	19.20±0.73 ^{c*}	38.15±0.64 ^{d*}	59.96±1.83 ^{cd*}	104.45±1.12 ^{cd*}
Group D	4.32±0.19	24.19±0.73 ^{cd*}	45.77±0.64 ^{bh*}	67.4±1.83 ^{bc*}	108.89±1.12 ^{bc*}
Group E	3.83±0.19 ^a	22.66±0.73 ^{c*}	42.53±0.64 ^{ce*}	67.92±1.83 ^{bc*}	111.23±1.12 ^{b*}
Group F	4.28±0.19	20.82±0.73 ^{c*}	42.71±0.64 ^{eh*}	56.33±1.83 ^{d*}	99.06±1.12 ^{d*}
Group G	4.8±0.19 ^b	17.23±0.73 ^{ac*}	34.49±0.64 ^{f*}	49.55±1.83 ^{e*}	82.68±1.12 ^{e*}
Group H	4.59±0.19	19.73±0.73 ^{ac*}	34.33±0.64 ^{f*}	50.73±1.83 ^{e*}	82.34±1.12 ^{e*}
Group I	4.26±0.19	14.4±0.73 ^{ad*}	25.2±0.64 ^{g*}	36.76±1.83 ^{f*}	72.01±1.12 ^{f*}

Values are given as mean±SE for 5 rats in each interval in each group (n=20).

Each value not sharing a common letter superscript is significantly different (P<0.05).

* Mean values differ significantly within the group (P<0.05).

Table 11: Effect of different treatment protocols on the total bilirubin of BDL rats at various time intervals

	Pre value	3 rd week	4 th week	5 th week	6 th week
Group A	0.43±0.03	0.45±0.08 ^a	0.41±0.14 ^{ac}	0.41±0.09 ^a	0.41±0.12 ^a
Group B	0.48±0.03	1.31±0.08 ^{b*}	1.49±0.14 ^{b*}	2.26±0.09 ^{b*}	2.54±0.12 ^{b*}
Group C	0.37±0.03	0.57±0.08 ^a	0.91±0.14 ^{abc*}	1.46±0.09 ^{cd*}	1.42±0.12 ^{cd*}
Group D	0.45±0.03	0.74±0.08 ^{a*}	1.28±0.14 ^{a*}	1.58±0.09 ^{c*}	1.83±0.12 ^{c*}
Group E	0.46±0.03	0.76±0.08 ^{a*}	0.95±0.14 ^{ac*}	1.04±0.09 ^{de*}	1.81±0.12 ^{c*}
Group F	0.43±0.03	0.53±0.08 ^a	1.26±0.14 ^{abc*}	1.32±0.09 ^{cd*}	1.64±0.12 ^{c*}
Group G	0.36±0.03	0.55±0.08 ^a	1.13±0.14 ^{abc*}	1.24±0.09 ^{cd*}	1.27±0.12 ^{cde*}
Group H	0.39±0.03	0.4±0.08 ^a	0.61±0.14 ^{abc*}	1.24±0.09 ^{cd*}	1.04±0.12 ^{de*}
Group I	0.40±0.03	0.42±0.08 ^a	0.6±0.14 ^c	0.77±0.09 ^{e*}	0.77±0.12 ^{ae*}

Values are given as mean±SE for 5 rats in each interval in each group (n=20).

Each value not sharing a common letter superscript is significantly different (P<0.05).

* Mean values differ significantly within the group (P<0.05).

Table 12: Effect of different treatment protocols on the direct bilirubin of BDL rats at various time intervals.

	Pre value	3 rd week	4 th week	5 th week	6 th week
Group A	0.17±0.03	0.14±0.11	0.13±0.11 ^a	0.18±0.14	0.2±0.12 ^a
Group B	0.18±0.03	0.58±0.11 [*]	1.1±0.11 ^{b*}	0.85±0.14 [*]	1.81±0.12 ^{b*}
Group C	0.22±0.03	0.17±0.11	0.31±0.11 ^a	0.71±0.14	0.15±0.12 ^a
Group D	0.2±0.03	0.22±0.11	0.66±0.11 ^{ab*}	0.35±0.14	0.59±0.12 ^{a*}
Group E	0.29±0.03	0.42±0.11	0.27±0.11 ^a	0.29±0.14	0.53±0.12 ^a
Group F	0.27±0.03	0.28±0.11	0.22±0.11 ^a	0.19±0.14	0.24±0.12 ^a
Group G	0.19±0.03	0.20±0.11	0.42±0.11 ^a	0.41±0.14	0.33±0.12 ^a
Group H	0.28±0.03	0.42±0.11	0.26±0.11 ^a	0.34±0.14	0.23±0.12 ^a
Group I	0.21±0.03	0.23±0.11	0.26±0.11 ^a	0.29±0.14	0.28±0.12 ^a

Values are given as mean±SE for 5 rats in each interval in each group (n=20).

Each value not sharing a common letter superscript is significantly different (P<0.05).

* Mean values differ significantly within the group (P<0.05).

Table 13: Effect of different treatment protocols on the indirect bilirubin of BDL rats at various time intervals.

	Pre value	3 rd week	4 th week	5 th week	6 th week
Group A	0.26±0.04	0.31±0.11 ^{ab}	0.28±0.15 ^a	0.23±0.19 ^c	0.21±0.18 ^a
Group B	0.3±0.04	0.74±0.11 ^{a*}	0.38±0.15 ^{ab}	1.41±0.19 ^{a*}	0.73±0.18 ^{ab}
Group C	0.15±0.04	0.41±0.11 ^{ab}	0.59±0.15 ^{ab*}	0.75±0.19 ^{b*}	1.27±0.18 ^{bc*}
Group D	0.25±0.04	0.52±0.11 ^a	0.62±0.15 ^{ab*}	1.23±0.19 ^{b*}	1.24±0.18 ^{bc*}
Group E	0.17±0.04	0.34±0.11 ^{ab}	0.68±0.15 ^{ab*}	0.75±0.19 ^{b*}	1.28±0.18 ^{bc}
Group F	0.16±0.04	0.25±0.11 ^{ab}	1.04±0.15 ^{ab*}	1.13±0.19 ^{b*}	1.41±0.18 ^{b*}
Group G	0.17±0.04	0.35±0.11 ^{ab}	0.71±0.15 ^{b*}	0.83±0.19 ^{bc*}	0.94±0.18 ^{abc*}
Group H	0.11±0.04	0.14±0.11 ^b	0.35±0.15 ^{ab*}	0.9±0.19 ^{bc*}	0.82±0.18 ^{abc*}
Group I	0.19±0.04	0.18±0.11 ^b	0.34±0.15 ^{ab*}	0.47±0.19 ^{b*}	0.49±0.18 ^{ac*}

Values are given as mean±SE for 5 rats in each interval in each group (n=20).

Each value not sharing a common letter superscript is significantly different (P<0.05).

* Mean values differ significantly within the group (P<0.05).

Table 14: Effect of different treatment protocols on the total lipids of BDL rats at various time intervals.

	Pre value	3 rd week	4 th week	5 th week	6 th week
Group A	155.78±0.55	156.23±3.7 ^a	157.6±2.98 ^a	155.56±6.12 ^a	155.75±4.7 ^a
Group B	156.04±0.55	302.91±3.7 ^{b*}	600.86±2.98 ^{b*}	638.16±6.12 ^{b*}	708.83±4.7 ^{b*}
Group C	156.33±0.55	265.74±3.7 ^{cd*}	451.6±2.98 ^{e*}	549.53±6.12 ^{e*}	621.53±4.7 ^{e*}
Group D	154.11±0.55	288.15±3.7 ^{b*}	505.35±2.98 ^{c*}	577.87±6.12 ^{c*}	676.27±4.7 ^{c*}
Group E	156.1±0.55	291.42±3.7 ^{b*}	491.62±2.98 ^{cd*}	588.61±6.12 ^{cd*}	653.6±4.7 ^{cd*}
Group F	155.65±0.55	248.34±3.7 ^{d*}	455.17±2.98 ^{e*}	538.7±6.12 ^{e*}	612.83±4.7 ^{e*}
Group G	154.26±0.55	225.28±3.7 ^{e*}	421.82±2.98 ^{f*}	535.04±6.12 ^{e*}	601.33±4.7 ^{e*}
Group H	156.26±0.55	223.85±3.7 ^{e*}	416.74±2.98 ^{f*}	531.08±6.12 ^{f*}	570.84±4.7 ^{f*}
Group I	155.66±0.55	217.09±3.7 ^{e*}	388.69±2.98 ^{h*}	369.4±6.12 ^{g*}	392.43±4.7 ^{g*}

Values are given as mean±SE for 5 rats in each interval in each group (n=20).

Each value not sharing a common letter superscript is significantly different (P<0.05).

* Mean values differ significantly within the group (P<0.05).

Table 15: Effect of different treatment protocols on the triglycerides of BDL rats at various time intervals.

	Pre value	3 rd week	4 th week	5 th week	6 th week
Group A	73.67±0.41 ^a	75.16±0.95 ^a	74.63±0.44 ^a	74.76±0.97 ^a	74.89±0.6 ^a
Group B	74.77±0.41	86.16±0.95 ^{b*}	97.96±0.44 ^{b*}	101.65±0.97 ^{b*}	117.13±0.6 ^{b*}
Group C	75.48±0.41	80.37±0.95 ^{bde*}	91.62±0.44 ^{d*}	91.81±0.97 ^{c*}	99.95±0.6 ^{d*}
Group D	74.81±0.41	81.37±0.95 ^{bc*}	95.15±0.44 ^{c*}	93.60±0.97 ^{c*}	109.21±0.6 ^{c*}
Group E	76±0.41 ^b	83.55±0.95 ^{cdf*}	94.97±0.44 ^{c*}	95.19±0.97 ^{c*}	106.56±0.6 ^{c*}
Group F	74.83±0.41	83.54±0.95 ^{bde*}	92.67±0.44 ^{d*}	93.54±0.97 ^{c*}	99.07±0.6 ^d
Group G	75.1±0.41	79.5±0.95 ^{acdef*}	88.72±0.44 ^{e*}	91.28±0.97 ^{cd*}	98.66±0.6 ^d
Group H	74.51±0.41	80.28±0.95 ^{cdf*}	87.11±0.44 ^{e*}	91.23±0.97 ^{cd*}	97.55±0.6 ^{d*}
Group I	75.81±0.45 ^b	78.48±1.06 ^{adf}	83.10±0.49 ^{f*}	86.38±1.08 ^{d*}	90.34±0.68 ^{e*}

Values are given as mean±SE for 5 rats in each interval in each group (n=20).

Each value not sharing a common letter superscript is significantly different (P<0.05).

* Mean values differ significantly within the group (P<0.05).

Table 16: Effect of different treatment protocols on the high-density lipoprotein (HDL) of BDL rats at various time intervals.

	Pre value	3 rd week	4 th week	5 th week	6 th week
Group A	43.54±0.47	44.92±0.73 ^a	43.65±0.49 ^a	43.2±0.41 ^a	44.3±0.44 ^a
Group B	43.92±0.47	34.26±0.73 ^{b*}	28.18±0.49 ^{b*}	23.66±0.41 ^{b*}	18.59±0.44 ^{b*}
Group C	43.38±0.47	33.75±0.73 ^{b*}	38.14±0.49 ^{c*}	40.19±0.41 ^{c*}	41.47±0.44 ^{cd*}
Group D	42.36±0.47	31.51±0.73 ^{b*}	35.88±0.49 ^{c*}	37.64±0.41 ^{d*}	39.66±0.44 ^{c*}
Group E	42.38±0.47	36.08±0.73 ^{b*}	35.93±0.49 ^{c*}	37.10±0.41 ^{d*}	39.77±0.44 ^{c*}
Group F	43.16±0.47	39.92±0.73 ^{c*}	37.5±0.49 ^{c*}	38.61±0.41 ^{cd*}	42.11±0.44 ^{d*}
Group G	41.96±0.47	43.16±0.73 ^a	45.62±0.49 ^{ad*}	48.15±0.41 ^{e*}	51.92±0.44 ^{e*}
Group H	42.05±0.47	45.11±0.73 ^{a*}	47.23±0.49 ^{de*}	48.78±0.41 ^{e*}	52.87±0.44 ^{e*}
Group I	42.52±0.47	48.39±0.73 ^{a*}	48.67±0.49 ^{c*}	53.24±0.41 ^{f*}	59.68±0.44 ^{f*}

Values are given as mean±SE for 5 rats in each interval in each group (n=20).

Each value not sharing a common letter superscript is significantly different (P<0.05).

* Mean values differ significantly within the group (P<0.05).

Table 17: Effect of different treatment protocols on the low-density lipoprotein (LDL) of BDL rats at various time intervals.

	Pre value	3 rd week	4 th week	5 th week	6 th week
Group A	23.61±0.32	23.9±0.35 ^a	24.45±0.48 ^a	24.52±0.59 ^a	24.89±0.51 ^a
Group B	24.11±0.32	36.77±0.35 ^{b*}	42.96±0.48 ^{b*}	58.62±0.59 ^{b*}	74.53±0.51 ^{b*}
Group C	24.68±0.32	31.45±0.35 ^{d*}	40.86±0.48 ^{bc*}	55.01±0.59 ^{c*}	66.19±0.51 ^{d*}
Group D	24.3±0.32	34.8±0.35 ^{c*}	42.67±0.48 ^{b*}	56.8±0.59 ^{bc*}	71.51±0.51 ^{c*}
Group E	24.52±0.32	33.8±0.35 ^{c*}	41.06±0.48 ^{bc*}	56.56±0.59 ^{bc*}	71.67±0.51 ^{c*}
Group F	24.18±0.32	30.9±0.35 ^{d*}	38.87±0.48 ^{cd*}	51.11±0.59 ^{d*}	62.67±0.51 ^{e*}
Group G	24.64±0.32	30.13±0.35 ^{d*}	40.1±0.48 ^{cd*}	47.37±0.59 ^{e*}	48.81±0.51 ^{f*}
Group H	24.92±0.32	30.5±0.35 ^{d*}	38.31±0.48 ^{d*}	47.99±0.59 ^{e*}	48.21±0.51 ^{f*}
Group I	24.72±0.32	27.67±0.35 ^{e*}	31.04±0.48 ^{e*}	37.91±0.59 ^{f*}	40.42±0.51 ^{g*}

Values are given as mean±SE for 5 rats in each interval in each group (n=20).

Each value not sharing a common letter superscript is significantly different (P<0.05).

* Mean values differ significantly within the group (P<0.05).

Table 18: Effect of different treatment protocols on the total cholesterol of BDL rats at various time intervals

	Pre value	3 rd week	4 th week	5 th week	6 th week
Group A	53.62±0.46	53.60±0.71 ^a	53.13±0.49 ^a	52.69±0.43 ^a	53.79±0.44 ^a
Group B	53.40±0.46	88.56±0.71 ^{b*}	95.49±0.49 ^{b*}	101.96±0.43 ^{b*}	117.69±0.44 ^{b*}
Group C	52.86±0.46	76.84±0.71 ^{c*}	80.48±0.49 ^{c*}	74.29±0.43 ^{ce*}	72.45±0.44 ^{ce*}
Group D	52.25±0.46	79.56±0.71 ^{ce*}	82.93±0.49 ^{d*}	76.73±0.43 ^{d*}	76.65±0.44 ^{d*}
Group E	51.87±0.46	84.13±0.71 ^{d*}	77.39±0.49 ^{e*}	76.19±0.43 ^{cd*}	76.76±0.44 ^{d*}
Group F	52.65±0.46	83.01±0.71 ^{de*}	78.9±0.49 ^{ce*}	72.71±0.43 ^{eg*}	73.10±0.44 ^{e*}
Group G	51.44±0.46	70.57±0.71 ^{f*}	69.72±0.49 ^{fg*}	70.24±0.43 ^{f*}	64.10±0.44 ^{f*}
Group H	51.53±0.46	72.51±0.71 ^{f*}	71.33±0.49 ^f	70.87±0.43 ^{fg*}	65.05±0.44 ^f
Group I	52.00±0.46	70.59±0.71 ^{f*}	67.99±0.49 ^{g*}	65.74±0.43 ^{h*}	61.88±0.44 ^{h*}

Values are given as mean±SE for 5 rats in each interval in each group (n=20).

Each value not sharing a common letter superscript is significantly different (P<0.05).

* Mean values differ significantly within the group (P<0.05).

Table 19: Effect of different treatment protocols on the serum creatinine of BDL rats at various time intervals.

	Pre value	3 rd week	4 th week	5 th week	6 th week
Group A	1.26±0.03	1.28±0.04 ^{ab}	1.28±0.03 ^a	1.21±0.07 ^a	1.27±0.09 ^a
Group B	1.24±0.03	1.43±0.04 ^a	1.60±0.03 ^{b*}	1.86±0.07 ^{b*}	2.77±0.09 ^{b*}
Group C	1.23±0.03	1.27±0.04 ^{ab}	1.28±0.03 ^{a*}	1.38±0.07 ^{a*}	1.33±0.09 ^{a*}
Group D	1.29±0.03	1.28±0.04 ^{ab}	1.39±0.03 ^a	1.46±0.07 ^a	1.42±0.09 ^a
Group E	1.28±0.03	1.29±0.04 ^{ab}	1.27±0.03 ^a	1.45±0.07 ^a	1.44±0.09 ^a
Group F	1.29±0.03	1.24±0.04 ^b	1.33±0.03 ^a	1.34±0.07 ^a	1.40±0.09 ^a
Group G	1.30±0.03	1.19±0.04 ^b	1.28±0.03 ^a	1.32±0.07 ^a	1.31±0.09 ^a
Group H	1.25±0.03	1.17±0.04 ^b	1.33±0.03 ^a	1.38±0.07 ^a	1.30±0.09 ^a
Group I	1.27±0.03	1.15±0.04 ^b	1.39±0.03 ^{a*}	1.35±0.07 ^{a*}	1.25±0.09 ^a

Values are given as mean±SE for 5 rats in each interval in each group (n=20).

Each value not sharing a common letter superscript is significantly different (P<0.05).

* Mean values differ significantly within the group (P<0.05).

Table 20: Effect of different treatment protocols on the serum urea of BDL rats at various time intervals.

	Pre value	3 rd week	4 th week	5 th week	6 th week
Group A	19.3±0.32	19.25±0.39 ^a	19.97±0.54 ^{ac}	19.96±0.41 ^a	20.62±0.3 ^a
Group B	20.1±0.32	23.28±0.39 ^{b**}	27.2±0.54 ^{b**}	30.52±0.41 ^{b**}	30.87±0.3 ^{b**}
Group C	20.41±0.32	21.36±0.39 ^{bc**}	23.61±0.54 ^{b**}	27.83±0.41 ^{b**}	29.02±0.3 ^{b**}
Group D	20±0.32	23.2±0.39 ^{bc**}	27.21±0.54 ^{bd**}	31.09±0.41 ^{bc**}	30.91±0.3 ^{bc**}
Group E	20.07±0.32	22.69±0.39 ^c	24.86±0.54 ^{cde**}	30.06±0.41 ^{cd**}	29.72±0.3 ^{ce**}
Group F	20.46±0.32	22.84±0.39 ^{bc**}	24.75±0.54 ^{bcd**}	29.45±0.41 ^{bc**}	30.23±0.3 ^{bc**}
Group G	19.81±0.32	21.63±0.39 ^{bc**}	23.48±0.54 ^{de**}	26.89±0.41 ^{d**}	26.41±0.3 ^{d**}
Group H	20.06±0.32	21.71±0.39 ^{bc**}	23.46±0.54 ^{de**}	28.18±0.41 ^{cde**}	28.13±0.3 ^{e**}
Group I	20.06±0.32	21.46±0.39 ^{bc}	22.02±0.54 ^{e*}	22.8±0.41 ^{f**}	24.66±0.3 ^{f**}

Values are given as mean±SE for 5 rats in each interval in each group (n=20).

Each value not sharing a common letter superscript is significantly different (P<0.05).

* Mean values differ significantly within the group (P<0.05).

Table 21: Effect of different treatment protocols on the blood urea nitrogen (BUN) of BDL rats at various time intervals.

Values are given as mean±SE for 5 rats in each interval in each group (n=20).

	Pre value	3 rd week	4 th week	5 th week	6 th week
Group A	38.39±0.79 ^{ac}	42.57±0.82 ^{ad*}	40.96±0.65 ^a	40.7±0.87 ^a	41.28±1.15 ^a
Group B	44.02±0.79 ^b	40.12±0.82 ^{ad*}	35.83±0.65 ^b	35.92±0.87 ^{b*}	30.36±1.15 ^{b*}
Group C	41.27±0.79 ^{ab}	41.48±0.82 ^{ab}	41.87±0.65 ^a	44.09±0.87 ^{a*}	45.51±1.15 ^a
Group D	40.54±0.79 ^{abc}	38.75±0.82 ^a	42.27±0.65 ^a	41.47±0.87 ^a	40.52±1.15 ^a
Group E	39.14±0.79 ^{ac}	42.97±0.82 ^{bc*}	48.62±0.65 ^{c*}	52.71±0.87 ^{c*}	51.36±1.15 ^{c*}
Group F	38.68±0.79 ^{abc}	46.81±0.82 ^{c*}	48.95±0.65 ^{c*}	54.67±0.87 ^{cd*}	53.47±1.15 ^{cd*}
Group G	37.3±0.79 ^c	41.8±0.82 ^{ab*}	48.39±0.65 ^{c*}	57.74±0.87 ^{de*}	55.23±1.15 ^{cd*}
Group H	38.31±0.79 ^{ac}	43.29±0.82 ^{bcd*}	54.28±0.65 ^{d*}	60.55±0.87 ^{e*}	57.38±1.15 ^{de*}
Group I	38.54±0.79 ^{ac}	44.4±0.82 ^{bc*}	54.8±0.65 ^{d*}	61.38±0.87 ^{e*}	62.66±1.15 ^{e*}

Each value not sharing a common letter superscript is significantly different (P<0.05).

* Mean values differ significantly within the group (P<0.05).

Table 22: Effect of different treatment protocols on the serum hepatocyte growth factor level of BDL rats at various time intervals.

	Pre value	3 rd week	4 th week	5 th week	6 th week
Group A	9.6±0.46	9.58±0.52 ^a	9.11±0.35 ^a	8.67±0.35 ^a	9.77±0.36 ^a
Group B	9.38±0.46	15.49±0.52 ^{b*}	17.69±0.35 ^{b*}	20.89±0.35 ^{b**}	27.21±0.36 ^{b*}
Group C	8.84±0.46	9.88±0.52 ^a	11.08±0.35 ^{ac*}	13.18±0.35 ^{ce*}	15.22±0.36 ^{ce*}
Group D	8.23±0.46	9.77±0.52 ^{a*}	12.87±0.35 ^{d*}	14.97±0.35 ^{d*}	17.00±0.36 ^{d*}
Group E	7.85±0.46	9.39±0.52 ^{a*}	12.49±0.35 ^{d*}	14.58±0.35 ^{cd*}	16.62±0.36 ^{cd*}
Group F	8.63±0.46	9.67±0.52 ^a	10.87±0.35 ^{ac*}	12.59±0.35 ^{e*}	14.62±0.36 ^{e*}
Group G	7.42±0.46	8.18±0.52 ^a	10.28±0.35 ^{a**}	11.53±0.35 ^{ac*}	13.63±0.36 ^{eg*}
Group H	7.52±0.46	8.73±0.52 ^a	10.34±0.35 ^{a*}	11.60±0.35 ^{ac*}	13.70±0.36 ^{eg*}
Group I	7.98±0.46	8.25±0.52 ^a	9.37±0.35 ^{a*}	10.2±0.35 ^{a*}	12.30±0.36 ^{g*}

Values are given as mean±SE for 5 rats in each interval in each group (n=20).

Each value not sharing a common letter superscript is significantly different (P<0.05).

* Mean values differ significantly within the group (P<0.05).

Table 23: Effect of different treatment protocols on the MMP-2 of BDL rats at various time intervals.

	Pre value	3rd week	4th week	5th week	6th week
Group A	6.83±0.16	6.76±1.92 ^a	7.67±2.71 ^a	8.34±3.08 ^a	9.48±3.43 ^a
Group B	6.72±0.16	80.75±1.92 ^{b*}	75.8±2.71 ^{b*}	84.05±3.08 ^{b*}	125.11±3.43 ^{b*}
Group C	6.89±0.16	80.17±1.92 ^{b*}	94.37±2.71 ^{cd*}	129.69±3.08 ^{cd*}	185.22±3.43 ^{b*}
Group D	7.2±0.16	78.95±1.92 ^{b*}	91.28±2.71 ^{cd*}	122.38±3.08 ^{c*}	183.76±3.43 ^{cd*}
Group E	6.93±0.16	79.97±1.92 ^{b*}	82.58±2.71 ^{bc*}	129.63±3.08 ^{cd*}	175.87±3.43 ^{cd*}
Group F	6.86±0.16	82.46±1.92 ^{b*}	96.84±2.71 ^{d*}	127.65±3.08 ^{cd*}	185.88±3.43 ^{c*}
Group G	7.32±0.16	82.58±1.92 ^{b*}	96.68±2.71 ^{d*}	133.17±3.08 ^{cd*}	189.61±3.43 ^{cd*}
Group H	7.63±0.16	83.58±1.92 ^{b*}	101.94±2.71 ^{d*}	141.62±3.08 ^{de*}	189.73±3.43 ^{cd*}
Group I	6.85±0.16	88.19±1.92 ^{b*}	116.28±2.71 ^{e*}	156.43±3.08 ^{e*}	195.22±3.43 ^{d*}

Values are given as mean±SE for 5 rats in each interval in each group (n=20).

Each value not sharing a common letter superscript is significantly different (P<0.05).

* Mean values differ significantly within the group (P<0.05).

Table 24: Effect of different treatment protocols on the TIMP-2 of BDL rats at various time intervals.

	Pre value	3rd week	4th week	5th week	6th week
Group A	4.53±0.16 ^a	4.45±0.42 ^a	5.36±0.77 ^a	6.03±1.07 ^a	7.18±2.09 ^a
Group B	4.41±0.16 ^b	13.45±0.42 ^{b*}	21.44±0.77 ^{b*}	37.75±1.07 ^{b*}	78.8±2.09 ^{b*}
Group C	4.58±0.16	10.91±0.42 ^{ce*}	17.51±0.77 ^{c*}	23.68±1.07 ^{cd*}	42.77±2.09 ^{c*}
Group D	4.89±0.16	11.64±0.42 ^{bcd*}	19.44±0.77 ^{bc*}	26.12±1.07 ^{c*}	41.5±2.09 ^{c*}
Group E	4.63±0.16	12.66±0.42 ^{bc*}	18.93±0.77 ^{bc*}	25.83±1.07 ^{c*}	46.14±2.09 ^{c*}
Group F	4.56±0.16	11.3±0.42 ^{cd*}	18.66±0.77 ^{c*}	23.65±1.07 ^{cd*}	42.14±2.09 ^{c*}
Group G	5.02±0.16	10.07±0.42 ^{d*}	18.2±0.77 ^{bc*}	23.55±1.07 ^{cd*}	38.7±2.09 ^{c*}
Group H	5.33±0.16 ^b	10.63±0.42 ^{ed*}	18.65±0.77 ^{bc*}	24.05±1.07 ^{cd*}	35.94±2.09 ^{cd*}
Group I	4.54±0.16 ^a	9.15±0.42 ^{ef*}	13.4±0.77 ^{d*}	19.52±1.07 ^{d*}	27.73±2.09 ^{d*}

Values are given as mean±SE for 5 rats in each interval in each group (n=20).

Each value not sharing a common letter superscript is significantly different (P<0.05).

* Mean values differ significantly within the group (P<0.05).

Table 25: Effect of different treatment protocols on the total antioxidant capacity (TAC) of BDL rats at various time intervals.

	Pre value	3rd week	4th week	5th week	6th week
Group A	14.67±1.48	15.41±2.1 ^a	8.07±1.61 ^a	13.15±1.08 ^a	12.49±1.4 ^a
Group B	12.51±1.48	45.56±2.1 ^{b*}	51.31±1.61 ^{b*}	45.56±1.08 ^{b*}	40.21±1.4 ^{b*}
Group C	10.25±1.48	50.64±2.1 ^{b*}	50.05±1.61 ^{b*}	63.91±1.08 ^{c*}	66.96±1.4 ^{c*}
Group D	11.91±1.48	49.46±2.1 ^{b*}	54.38±1.61 ^{bd*}	64.84±1.08 ^{c*}	64.93±1.4 ^{c*}
Group E	13.36±1.48	53.93±2.1 ^{bc*}	64.06±1.61 ^{c*}	67.00±1.08 ^{c*}	69.82±1.4 ^{c*}
Group F	13.72±1.48	56.35±2.1 ^{bc*}	61.33±1.61 ^{cd*}	65.89±1.08 ^{c*}	71.09±1.4 ^{c*}
Group G	9.5±1.48	61.46±2.1 ^{c*}	76.5±1.61 ^{e*}	84.5±1.08 ^{d*}	86.09±1.4 ^{d*}
Group H	10.99±1.48	61.66±2.1 ^{c*}	79.81±1.61 ^{ef*}	94.66±1.08 ^{e*}	89.01±1.4 ^{e*}
Group I	11.48±1.48	63.45±2.1 ^{c*}	87.16±1.61 ^{f*}	99.14±1.08 ^{e*}	112.43±1.4 ^{e*}

Values are given as mean±SE for 5 rats in each interval in each group (n=20).

Each value not sharing a common letter superscript is significantly different (P<0.05).

* Mean values differ significantly within the group (P<0.05).

Table 26: Effect of different treatment protocols on the superoxide dismutase (SOD) of BDL rats at various time intervals.

	Pre value	3rd week	4th week	5th week	6th week
Group A	10.67±1.48	11.41±2.1 ^a	04.07±1.61 ^a	9.15±1.08 ^a	8.49±1.4 ^a
Group B	9.51±1.48	22.06±2.1 ^b	27.81±1.61 ^b	22.06±1.08 ^b	16.71±1.4 ^b
Group C	7.25±1.48	27.14±2.1 ^{bc}	26.55±1.61 ^b	40.41±1.08 ^c	43.46±1.4 ^c
Group D	8.91±1.48	25.96±2.1 ^{bc}	30.88±1.61 ^b	41.34±1.08 ^c	41.43±1.4 ^c
Group E	10.36±1.48	30.43±2.1 ^{bcd}	40.56±1.61 ^c	43.5±1.08 ^c	46.32±1.4 ^c
Group F	10.72±1.48	32.85±2.1 ^{cd}	37.83±1.61 ^c	42.39±1.08 ^c	47.59±1.4 ^c
Group G	6.50±1.48	37.96±2.1 ^d	53.00±1.61 ^d	61.00±1.08 ^d	62.59±1.4 ^d
Group H	7.99±1.48	38.16±2.1 ^d	56.31±1.61 ^e	71.16±1.08 ^e	65.51±1.4 ^e
Group I	8.48±1.48	39.95±2.1 ^d	63.66±1.61 ^f	75.64±1.08 ^e	88.93±1.4 ^e

Values are given as mean±SE for 5 rats in each interval in each group (n=20).

Each value not sharing a common letter superscript is significantly different (P<0.05).

* Mean values differ significantly within the group (P<0.05).

Table 27: Effect of different treatment protocols on the percentage of fibrosis of BDL rats at various time intervals.

	4 th week	6 th week	Reduction percentage at 4 th week (%)	Reduction percentage at 6 th week (%)
Group A	1.39±0.39 ^a	4.21±0.53 ^a		
Group B	9.9±0.39 ^{b*}	32.43±0.53 ^{b*}		
Group C	2.55±0.39 ^{ac*}	14.96±0.53 ^{c*}	74.74	53.86
Group D	4.42±0.39 ^{c*}	23.86±0.53 ^{d*}	55.35	26.86
Group E	3.82±0.39 ^{cde*}	24.16±0.53 ^{d*}	61.41	25.50
Group F	2.35±0.39 ^{ad*}	13.26±0.53 ^{c*}	76.26	59.42
Group G	2.05±0.39 ^{ae*}	9.68±0.53 ^{e*}	79.29	70.15
Group H	1.71±0.39 ^{a*}	8.68±0.53 ^{ef*}	82.72	73.23
Group I	1.91±0.39 ^{a*}	6.58±0.53 ^{f*}	80.70	79.71

Values are given as mean±SE for 5 rats in each interval in each group (n=20).

Each value not sharing a common letter superscript is significantly different (P<0.05).

* Mean values differ significantly within the group (P<0.05).

Table 28: Effects of different treatment protocol on necro-inflammatory and fibrosis scores (mean±SD) in the BDL rats.

Score Groups weeks	HAI score				Knodell score				METAVIR score			
	3	4	5	6	3	4	5	6	3	4	5	6
Group A	0.2±0.4 ^a	0.4±0.5 ^a	0.0±0.0 ^a	0.2±0.4 ^a	0.0±0.0 ^a	0.0±0.0 ^a	0.0±0.0 ^a	0.0±0.0 ^a	0.0±0.0 ^a	0.0±0.0 ^a	0.0±0.0 ^a	0.0±0.0 ^a
Group B	6.8±0.8 ^b	8.6±0.5 ^b	10.8±0.8 ^{b*}	12.4±0.5 ^{b*}	1.0±0.0 ^b	2.2±1.0 ^b	2.6±0.8 ^{b*}	3.8±0.4 ^{b*}	1.0±0.0 ^b	1.8±0.4 ^{b*}	2.8±0.4 ^{b*}	3.8±0.4 ^{b*}
Group C	4.2±0.8 ^c	5.6±0.5 ^{ce}	7.0±0.7 ^{cg*}	7.6±0.5 ^{c*}	0.8±0.4 ^b	0.8±0.4 ^c	1.2±1.0 ^{bc}	1.8±1.0 ^{bce}	0.8±0.4 ^b	1.4±0.5 ^b	1.4±0.5 ^b	1.8±0.8 ^{cd}
Group D	5.0±1.5 ^c	6.4±0.8 ^c	9.4±0.5 ^{d*}	9.8±0.4 ^{d*}	1.0±0.0 ^b	2.2±1.0 ^b	2.2±1.0 ^b	2.4±1.3 ^{bc}	1.0±0.0 ^b	2.0±1.0 ^b	1.8±0.8 ^c	2.0±1.0 ^{cd}
Group E	5.0±1.2 ^c	6.6±1.1 ^c	9.4±0.5 ^{d*}	9.8±0.4 ^{d*}	1.0±0.0 ^b	2.6±0.8 ^{bd}	2.6±0.8 ^{b*}	2.2±1.0 ^c	1.2±0.4 ^b	2.2±0.8 ^b	2.6±0.8 ^{bc}	2.4±0.8 ^c
Group F	3.8±0.8 ^c	6.0±0.7 ^{cf}	7.4±0.5 ^{c*}	8.0±0.7 ^{c*}	0.8±0.4 ^b	1.0±0.0 ^{bc}	1.4±0.8 ^{bd}	1.8±1.0 ^{cd}	0.6±0.5 ^b	1.4±0.5 ^b	1.4±0.8 ^{bd}	1.6±0.8 ^{cd}
Group G	4.4±0.5 ^c	4.4±0.5 ^d	6.2±0.8 ^{cg*}	6.4±0.5 ^{c*}	0.6±0.5 ^b	0.8±0.4 ^{ec}	1.0±0.0 ^{cd}	1.4±0.8 ^{cd}	0.6±0.5 ^b	0.8±0.4 ^b	1.2±0.4 ^{cde}	1.6±0.8 ^{cd}
Group H	4.2±0.8 ^c	5.0±0.7 ^{edf}	5.4±0.5 ^c	6.6±0.5 ^{c*}	0.6±0.5 ^b	0.8±0.4 ^{ce}	0.8±0.4 ^{cde}	1.4±0.8 ^{cd}	0.6±0.5 ^b	1.0±0.7 ^b	1.0±0.0 ^{ce}	1.4±0.5 ^{cd}
Group I	4.2±0.4 ^c	4.4±0.5 ^d	4.0±0.7 ^f	3.8±0.4 ^f	0.4±0.5 ^{ab}	0.4±0.5 ^{ac}	0.2±0.4 ^{ae}	0.8±0.4 ^d	0.6±0.5 ^b	0.6±0.8 ^b	0.6±0.5 ^{de}	1.0±0.7 ^d