

Results

Table 1:

The gastric mucosal parameters detected in gastric mucosa of control group.

No Of exp	No of ulcer/ Cm2 of the stomach	Shape of ulcer & its diameter		Hyperemic patches		PH of gastric juice
		Circular	Linear	No/cm2	Average diameter (mm)	
1	0	0	0	0	0	4.03
2	0	0	0	1	2	3.5
3	0	0	0	1	1	4.3
4	0	0	0	0	0	3.2
5	0	0	0	1	3	3.9
6	0	0	0	0	0	4.8
7	0	0	0	0	0	5.31
8	0	0	0	1	4	4.11
M	0.000	0.000	0.000	0.50	1.250	4.143
S.E.	0.000	0.000	0.000	0.18	0.559	0.238
S.D.	0.000	0.000	0.000	0.53	1.581	0.675

Table 2 :

Gastric mucosal changes recorded in stressed rats which exposed to acute cold stress at 4°C for 3 hours.

No. Of exp.	No. of ulcer /cm ² of stomach	Shape of ulcer & its average diameter		Hyperemic patches		PH of gastric juice
		Circular	Linear	No. /cm ²	Average diameter (mm)	
1	8	6 (0.5mm) Score 1	2 (4 mm) Score 3	1	2	2.07
2	4	3 (1mm) Score 3	1 (1mm) Score 3	1	12	2.37
3	2	4 (0.5mm) Score 1	1 (1mm) Score 3	1	4	1.59
4	4	2 (0.5mm) Score 1	2 (1.5mm) Score 3	2	4	2.3
5	3	3 (0.5mm) Score 3	0	1	2	3.12
6	6	5 (0.5mm) Score 1	1 (1 mm) Score 3	1	5	2.2
7	6	3 (0.5mm) Score 1	3 (2 mm) Score 3	2	3	3.22
8	6	4 (0.5mm) Score 1	2 (1.5mm)	1	9	2.11
M.	4.8750	1.1250	1.5000	1.250	5.125	2.37
S.E.	0.6928	0.5570	0.4119	0.163	1.259	0.19
S.D.	1.9594	1.5755	1.1650	0.462	3.563	0.54

Table 3:

Gastric mucosal parameters detected in the group exposed to stress and received corticosteroid antagonist in a dose of 5 mg / kg orally.

No Of exp	No of ulcer/ cm2 of stomach	Shape of ulcer & its average diameter		Hyperemic patches		PH of gastric juice
		circular	linear	No /cm2	Average diameter (mm)	
1	4	3 (1.5mm) Score 2	1 (4 mm) Score 3	2	3.5	2.1
2	3	2 (1 mm) Score 1	1 (1.5mm) Score 3	1	6	3.1
3	6	6(0.5mm) Score 1	0	1	5	2.8
4	2	2 (0.5mm) Score 1	0	3	5.5	3.2
5	7	6(0.5mm) Score 1	1 (3 mm) Score3	2	7.5	2.9
6	4	3 (1 mm) Score 1	1 (1 mm) Score 3	1	8	1.9
7	3	2 (2 mm) Score 1	1 (1 mm) Score3	2	5.5	2.7
8	8	7 (0.5mm) Score 1	1 (1 mm) Score3	2	5	3.8
M.	4.625	0.9373	1.437	1.750	5.750	2.812
S.E.	0.754	0.199	0.495	0.250	0.508	0.214
S.D.	2.133	0.563	1.399	0.707	1.439	0.605

Table 4 :

Gastric mucosal parameters detected in the group exposed to stress and received corticosteroid antagonist in a dose of 10 mg / kg orally

No Of exp	No of ulcer/ cm2 of stomach	Shape of ulcer & its average diameter		Hyperemic patches		PH of gastric juice
		circular	linear	No. /cm2	Average diameter (mm)	
1	11	9(0.5mm) Score 2	2 (1 mm) Score 3	1	15	1.3
2	6	5 (1 mm) Score 1	1 (1.5mm) Score 3	1	10	2.1
3	8	6(0.5mm) Score 1	2(3mm))	2	8.5	1.2
4	5	3 (0.5 mm) Score 1	2 (1.5mm) Score3	3	4.5	1.9
5	6	5 (0.5 mm) Score 1	1 (3 mm) Score3	2	6	2.2
6	4	3 (1 mm) Score 1	1 (1 mm) Score 3	2	9.5	1.8
7	5	4 (2 mm) Score 1	1 (1 mm) Score3	2	7.5	2.2
8	3	0	3 (1 mm) Score3	2	2.5	2.8
M.	6.000	0.750	1.625	1.875	7.937	1.937
S.E.	0.886	0.211	0.309	0.226	1.351	0.183
S.D	2.507	0.597	0.876	0.640	3.821	0.518

Table 5:

Gastric mucosal parameters detected in the group exposed to stress and received corticosteroid antagonist in a dose of 20 mg / kg orally

No Of exp	No of ulcer/ cm2 of stomach	Shape of ulcer &its average diameter		Hyperemic patches		PH of gastric juice
		circular	linear	No. /cm2	Average diameter (mm)	
1	15	14 (0.5 mm) Score 2	1 (1 mm) Score 3	3	4	1.1
2	9	7 (1 mm) Score 1	2 (1.5mm) Score 3	2	7.5	0.9
3	6	5 (1.5 mm) Score 1	1(3mm) Score 3	1	9	1.3
4	12	9 (0.5 mm) Score 1	3 (3 mm) Score 3	2	9.5	1.8
5	9	8 (0.5 mm) Score 1	1 (3 mm) Score3	2	9.5	0.8
6	10	9 (1 mm) Score 1	1 (4 mm) Score 3	1	8	1.5
7	8	6 (1 mm) Score 1	2 (1 mm) Score3	1	5	0.9
8	6	5 (0.5mm) Score 1	1 (1 mm) Score3	1	8	0.8
M.	9.3750	0.812	2.187	1.625	7.5625	1.137
S.E.	1.0680	0.131	0.421	0.263	0.7223	0.129
S.D.	3.0208	0.372	1.193	0.744	2.0431	0.366

Table 6:

Gastric mucosal changes detected in rats received dexamethasone in a dose 0.25 mg / kg orally.

No Of exp	No of ulcer/ cm2 of stomach	Shape of ulcer & its average diameter		Hyperemic patches		PH of gastric juice
		circular	linear	No. /cm2	Average diameter (mm)	
1	5	5 (0.5 mm) Score 1	0	3	3	1.7
2	7	5 (0.5 mm) Score 1	2 (1.5mm) Score3	2	3	1.1
3	5	4 (0.5 mm) Score 1	1 (1mm) Score3	4	3.5	1.6
4	7	5 (0.5 mm) Score 1	2 (1.5mm) Score3	2	3	1.1
5	4	4 (0.5 mm) Score 1	0	1	2	0.9
6	4	4 (0.5 mm) Score 1	0	1	2	0.9
7	9	3 (0.5 mm) Score 1	6 (1 mm) Score3	2	7	0.8
8	4	3 (0.5 mm) Score 1	1 (1 mm) Score3	3	8	1.8
M.	5.6250	0.500	0.750	2.2500	3.9375	1.2375
S.E.	0.6529	0.000	0.231	0.3660	0.8042	0.1413
S.D.	1.8468	0.000	0.654	1.0351	2.2747	0.3998

Table 7:

Gastric mucosal changes detected in stressed rats received dexamethasone in a dose 0.25 mg / kg orally.

No Of exp	No of ulcer/ cm2 of stomach	Shape of ulcer & its average diameter		Hyperemic patches		PH of gastric juice
		circular	linear	No. /cm2	Average diameter (mm)	
1	8	6 (0.5 mm) Score 1	2 (1mm) Score3	2	6	1.3
2	6	5 (0.5 mm) Score 1	1 (1mm) Score3	3	3	1.6
3	9	8 (0.5 mm) Score 1	1 (1 mm) Score3	1	8	0.9
4	10	8 (0.5 mm) Score 1	2 (1 mm) Score3	2	8	0.6
5	6	4 (0.5 mm) Score 1	2 (1.5mm) Score3	2	2	1.1
6	10	8 (0.5 mm) Score 1	2 (1 mm) Score3	2	8	0.6
7	9	8 (0.5 mm) Score 1	1 (1 mm) Score3	1	8	0.9
8	8	7 (0.5 mm) Score 1	1 (1 mm) Score3	2	10	0.8
M.	8.2500	0.500	1.062	1.8750	6.6250	0.9750
S.E.	0.5590	0.000	6.250	0.2266	0.9808	0.1221
S.D.	1.5811	0.000	0.176	0.6409	2.7742	0.3454

Table 8:

Gastric mucosal changes detected in rats received dexamethasone in a dose 0.5 mg / kg orally.

No Of exp	No of ulcer/ cm2 of stomach	Shape of ulcer & its average diameter		Hyperemic patches		PH of gastric juice
		Circular	Linear	No. /cm2	Average diameter (mm)	
1	12	9 (0.5mm) Score 1	2 (1.5mm) Score 3	2	7	0.8
2	11	10 (0.5mm) Score 1	1 (2 mm) Score 3	3	5	0.9
3	6	2 (0.5mm) Score 1	1 (4 mm) Score 3	3	8	2.5
4	13	10 (0.5mm) Score 1	3 (1 mm) Score 3	3	7	0.9
5	8	4 (1mm) Score 1	4 (1.5 mm) Score 3	2	8.5	1.5
6	8	5 (1mm) Score 1	3 (2mm) Score3	2	8	1.2
7	5	2 (0.5mm) Score 1	3 (1 mm) Score3	3	3	2.8
8	7	5 (0.5mm) Score 1	2 (1mm) Score3	2	6	1.7
M.	8.7500	1.750	2.375	2.500	6.5625	1.5375
S.E.	1.0308	0.353	0.375	0.189	0.6508	0.2679
S.D.	2.9155	1.000	1.060	0.534	1.8408	0.7577

Table 9 :

Gastric mucosal changes detected in stressed rats received dexamethasone in a dose 0.5 mg / kg orally.

No Of exp	No of ulcer/ cm2 of stomach	Shape of ulcer & its average diameter		Hyperemic patches		PH of gastric juice
		circular	linear	No. /cm2	Average diameter (mm)	
1	12	8 (1 mm) Score2	4 (1.5 mm)	2	8	0.5
2	7	6 (0.5 mm) Score 1	1 (1.5 mm)	2	7.5	1.1
3	10	6 (0.5 mm) Score 1	4 (1.5mm) Score3	2	8	0.7
4	9	7 (0.5 mm) Score 1	2 (1 mm) Score3	2	6	0.9
5	7	6 (0.5 mm) Score 1	1 (1 mm) Score3	2	6.5	0.9
6	10	9 (0.5 mm) Score 1	1 (1 mm) Score3	2	6	0.8
7	8	6 (0.5 mm) Score 1	2 (2 mm) Score3	2	5.5	0.9
8	12	10 (0.5 mm) Score 1	2 (1 mm) Score3	3	5	0.5
M.	9.3750	0.562	1.312	2.125	6.5625	0.7875
S.E.	0.7055	6.250	0.131	0.125	0.4057	0.7425
S.D.	1.9955	0.176	0.372	0.353	1.1476	0.2100