

Table 1) Mean Parameters of ECG Duration in Experimental Groups with Short-term and Long-term Exposure to Sound Pollution

Parameter	Control	4-Hour Exposure	8-Hour Exposure	12-Hour Exposure
PR Interval (ms)				
Short-term	56.92±3.61	50.40±0.89	56.00±8.94	51.60±4.77
Long-term	5.08±0.42	4.99±0.71	4.89±0.62	4.91±0.39
QRS Complex (ms)				
Short-term	15.20±2.28	16.00±1.00	16.40±4.00	16.00±2.00
Long-term	15.50±2.56	16.25±2.71	17.00±3.70	15.50±2.77
QTc Interval (ms)				
Short-term	158.04±7.33	157.07±19.52	149.33±18.35	157.02±6.48
Long-term	237.40±25.38	214.58±9.52	*204.22±13.08	*207.40±25.61
QT Interval (ms)				
Short-term	92.00±13.03	86.00±17.81	82.00±8.30	86.00±11.40
Long-term	95.07±15.84	80.82±7.03	*75.72±6.18	86.00±11.40
RR Interval (ms)				
Short-term	159.60±15.50	*138.00±4.47	146.00±11.40	156.00±5.47
Long-term	159.70±20.48	141.70±13.09	*137.30±6.07	*136.68±11.45
PR Segment (ms)				
Short-term	35.44±6.83	29.60±0.89	36.24±6.90	27.84±7.60
Long-term	33.90±5.41	29.55±6.41	30.65±6.00	33.75±9.16

*p<0.05 showing a significant difference with control group

Table 2) Mean Parameters of ECG Voltage in Experimental Groups Exposed to Long-term Sound Pollution

Control	4-Hour	8-Hour	12-Hour
P Wave Voltage (mv) 0.078±0.002	0.082±0.002	0.079±0.004	0.084±0.003
QRS Complex Voltage (mv) 0.314±0.033	0.370±0.067	* 0.406±0.063	* 0.412±0.04
T Wave Voltage (mv) 0.094±0.012	0.105±0.032	0.091±0.033	0.099±0.032

*p<0.05 showing a significant difference with control group

Diagram 1) Heart Beats per Minute in the Experimental Groups with Short-term and Long-term Exposures to Sound Pollution (with significant differences between short-term 4-hour and long-term 8- and 10-hour exposure groups and control group in 0.05)

