

Table (1): demographic data

Patients in dexmedetomidine group showed significantly lower heart rate values (p value <0.001) at time of induction, before bronchoscope insertion, at time of bronchoscopy and five minutes after introduction of the bronchoscope, at time of bronchoscope removal and after cessation of anesthesia as shown in table (2).

Variable	Lidocaine (n = 30)	fentanyl (n = 30)	dexmedetomidine (n = 30)	P VALUE
Age (years)	6.83±3.41	6.80±3.18	7.10±3.08	0.925
Sex	M 15 (50%)	16 (53.3%)	15 (50%)	0.96
	F 15 (50%)	14 (46.7%)	15 (50%)	
Weight (kg)	24.41±10.28	23.60±9.25	24.10±8.75	0.945
Hight (cm)	115.80±21.27	117.15±19.20	119.46±19.20	0.772

Table (2): variation in heart rate (beat/min)

	Z group	F group	D group	P value
Baseline	109±14.1	112±15.7	115±10.4	0.23
induction	101±8.3	103.75±9.9	98.4±9.9	0.001*
before	129.5±7.8	108.25±9.4	100.2±8.2	<0.001*
insertion	138.25±8.4	111.25±10.0	103.1±9.6	<0.001*
5 min	144.5±13.5	122.25±15.1	105.4±8.6	<0.001*
removing	140±13.5	120.75±15.1	104.7±11	<0.001*
post	136.25±12.5	129±14.1	111.2±3.5	<0.001*

Table (3): variation in systolic blood pressure (mmHg)

	Z group	F group	D group	P value
Baseline	98.4±9.0	100±5.8	101.7±6.4	0.21
induction	92.3±9.1	95±5.9	90.1±6.5	0.03*
before	113.7±8.6	109±5.4	90.5±6.0	<0.001*
insertion	116.7±9.2	101.5±6.0	92.2±6.6	<0.001*
5 min	116.7±14.3	115±11.1	103±5.7	<0.001*
removing	115±14.3	106±11.1	104.3±6.7	0.004
post	113.8±13.3	105.6±10.1	96.1±7.1	<0.001*

Table (4): changes in mean blood pressure (mmHg)

	Z group	F group	D group	P value
Baseline	71.9±9.0	73.5±7.8	74.6±6.4	0.41
induction	69.1±9.1	69.3±7.9	63.4±6.5	0.005*
before	83.4±8.6	80.3±7.4	68.1±6.0	<0.001*
insertion	88.9±9.2	82.5±8.0	72.9±6.6	<0.001*
5 min	86.7±9.0	81.7±7.8	76.2±6.4	<0.001*
removing	82.8±9.1	83.17.9±	77.2±6.5	0.005*
post	83.9±8.6	73.6±7.4	72.8±6.0	<0.001*

Table (5): changes in diastolic blood pressure (mmHg)

	Z group	F group	D group	P value
Baseline	62.7±5.58	60.2±4.38	61.0±4.98	0.26
induction	57.5±5.75	56.5±4.55	50.1±3.15	<0.001*
before	68.3±5.24	66.0±3.04	56.9±2.64	<0.001*
insertion	75.0±5.82	73.0±4.62	63.2±3.22	<0.001*
5 min	71.7±5.58	65.0±5.38	62.8±2.98	<0.001*
removing	66.7±5.75	71.7±4.55	63.6±3.15	<0.001*
post	68.3±5.24	61.0±4.04	61.1±2.64	<0.001*