

and two minutes .Induction was completed with the remaining calculated dose of propofol. Tracheal intubation was facilitated with injection with vecuronium and anaesthesia was maintained as per surgical requirement.

The collected data were compiled and paired t-test was used to assess variance between respective groups. Unpaired t-test was used to assess the

difference between two groups. A p-value of <0.05 was considered statistically significant.

Results and observations:

There was no statistical significance among the age, sex and body weight of the patients among both the groups. Age range from 18 to 50 year and body weight range from 40 to 85kg.

Group	Age Mean $\pm$ SD	Weight Mean $\pm$ SD	Sex M:F
A(n=54)	36.26 $\pm$ 12.74	55.12 $\pm$ 13.84	12:13
B(n=54)	33.58 $\pm$ 12.42	54.72 $\pm$ 9.4	27:23
p-Value	>0.05	>0.05	>0.05

Table 1: Demographic Data

The number of patient who experience pain or discomfort in either group in shown in table 3, 4 and 5

Group	Pain Score			
	0	1	2	3
A(n=54)	40(74)	10(19)	4(7)	0(0)
B(n=54)	4(7)	7(13)	18(33)	25(46)
p-Value	$p<0.001$	$p<0.001$	$p<0.001$	$p<0.001$

Table 2 : Different grades of pain score at 0 minute

At zero minute the overall incidence of pain in the saline group was 93% , compared with 26% in the ketamine group ($p<0.001$). No patients in the ketamine group experienced severe pain as compared

to 25 patients in the saline group ($p<0.001$). The number of patients who experienced mild to moderate pain was 21(42%) and 13(26%) in the saline and ketamine respectively.

Group	Pain Score			
	0	1	2	3
A (n=54)	43(79)	7(13)	2(4)	2(4)
B(n=54)	2(4)	5(9)	13(24)	34(63)
p- Value	$P<0.001$	$P>0.05$	$P<0.001$	$P<0.001$

Table3: Different grades of pain score at 1 minute

At one minute the overall incidence of pain in the saline group was 96%, compared with 20% in the ketamine group ($p<0.001$). 2(4%) patients in the ketamine group experienced severe pain as compared

to 34(63%) patients in the saline group ($p<0.001$).The number of patients who experienced mild to moderate pain was 18(33%) and 9(17%) in the saline and ketamine groups respectively