

	Dexamethasone group	Ketamine group	p.value
Age	32.16±13.047	35.64± 12.851	0.347
weight	81.92±9.442	84.56±10.429	0.353
Gender M/F	21/4	17/8	0.185

Table (1) Patient characteristics. “Data presented as mean ±SD (standard deviation), M/F (male /female). The demographic data was similar in the two groups p value >0.05

Perioperative data of the study groups.

	Dexamethasone group	Ketamine group	p.value
Surgery Duration (hr)	2.46±0.539	2.44±0.486	0.891
Onset of Sensory Block (min)	17.68±2.806	28.00±2.915	< 0.001
Onset of Motor Block (min)	32.16±4.327	40.60±3.894	< 0.001
Analgesia Duration	1255.20±94.742 (20.9 hr)	862.52±106.529 (14.4hr)	< 0.001
Motor block Duration	1023.64±103.562 (17.06hr)	738.00±108.244 (12.3hr)	< 0.001

Table (2) perioperative data of the study groups.“Data presented as mean ±SD(standard deviation). Min= minute. Hr= hour

Hemodynamic parameters:

Pulse rate between the two groups.

Time	Dexamethasone group	Ketamine group	p.value
1 min	83.84± 8.138	86.52±11.471	0.345
5min	81.44± 6.905	82.40±8.436	0.662
10min	79.48±5.694	78.60±8.441	0.668
15 min	77.20±5.148	75.80± 8.000	0.465
30min	76.20±4.282	75.56± 7.217	0.705
60min	78.52±4.426	76.56± 9.251	0.344
120min	80.24±4.639	80.00±9.605	0.911

Table (3) Pulse rate between the two groups.“Data presented as mean ±SD (standard deviation).

Mean arterial blood pressure.

Time	Dexamethasone group	Ketamine group	p.value
1m	92.12±8.253	89.24±9.628	0.262
5m	87.68±6.568	85.68± 8.050	0.341
10m	82.20± 7.257	80.72±7.374	0.478
15m	83.28± 7.168	79.68 ±7.122	0.581
30m	83.64±8.169	84.12±6.747	0.822
60m	85.24±7.634	91.08±6.952	0.844
120m	92.48±4.360	94.12±4.531	0.198

Table (4) Mean arterial blood pressure. “Data presented as mean ± SD (standard deviation)

Post operative VAS.

Time	Dexamethasone group	Ketamine group	p.value
4h.	0.00±0.000	0.00±0.000	—
8h	0.00±0.000	0.08±0.400	0.327
16h	0.80±1.118	4.92±1.152	<0.001
18h	1.96±1.513	6.16±.987	<0.001
19h	2.56±1.873	6.32±1.108	<0.001
20h	3.20±1.708	6.72±1.137	<0.001
21h	4.36±1.705	7.60±1.291	<0.001
22h	5.32±1.842	7.68±1.249	<0.001
23h	6.44±2.162	8.16±1.143	<0.001
24h	7.20±2.082	8.80±1.000	<0.001

Table (5) Post operative VAS. VAS= visual analogue scale. Data presented as mean ± SD (standard deviation)

Time of administration of the first dose of rescue analgesics and total dose of pethidine .

	Dexamethasone group	Ketamine group	p.value
Time of First Dose of Rescue Analgesia(hrs)	20.96± 1.567	13.32±1.725	< 0.001
Analgesia Dose in 24 hr(mg)	56.00±39.051	166.00±45.000	< 0.001

Table (6) Time of administration of the first dose of rescue analgesics and total dose of pethidine. Data presented as mean ±SD (standard deviation)“Hr= (hours)

Adverse effects

	Dexamethasone group	Ketamine group	P value
Bradycardia	0	0	-
Hypotension	0	0	-
Hypoxia	0	0	-
Hematoma	0	0	-
Nausea	1(4%)	6(24%)	0.049
Vomiting	1(4%)	12(48%)	0.001
Local anesthetic toxicity	0	0	-

Table (7) adverse effects. Data presented as number of cases and percentage.