

**Table (1):** Patients demographic data, duration of anesthesia and surgery, volume of blood loss, and volume of blood transfusion.

	Dex group (N=20)	Control group (N=20)	*P-value
Age (years)	54.45±8.9	54.65± 8.5	0.94
Sex: Male Female	18 (90) 2 (10%)	17(85%) 3 (15%)	0.4
Weight (kg)	78± 10.05	79.5± 7.76	0.6
Physical status (ASA): I II	8(40%) 12(60%)	9(45%) 11(55%)	0.23
Duration of anesthesia (hours)	5.1±1.65	5.28±1.45	0.45
Duration of surgery (hours)	4.71 ±1.03	4.91±1.35	0.57
Volume of blood loss (ml)	1237.5±884.6	1030±542	0.36
Volume of blood transfusion (ml)	940±857.4	975.25±1070.6	0.91

**Table (2):** Tumor necrosis factor  $\alpha$  (TNF- $\alpha$ ).

	Dex group N=20	Control group N=20	P-value
TNF- $\alpha$ before the start of the study drug infusion (baseline)	16.4 ± 2.1	17.4 ± 2.6	0.184
TNF- $\alpha$ at recovery	†23 ± 3.4	# 36 ± 5.3	<0.001*
TNF- $\alpha$ the day one postoperatively at 8 am	13.8 ± 3.1	# 24.3 ± 3.8	<0.001*

**Table (3):** Serum Interleukine-6 (IL-6).

	Dex group N=20	Control group N=20	P-value
IL-6 before the start of the study drug infusion (baseline)	8.4± 1	8.7 ±1.2	0.441
IL-6 at recovery	9.3± 1	# 38.1± 8.8	<0.001*
IL-6 the day one postoperatively at 8 am	9.6 ±1.2	# 57.1± 11.5	<0.001*

**Table (4):** Serum cortisol level.

	Dex group N=20	Control group N=20	P-value
Serum Cortisol before the start of the study drug infusion	16.3± 5.5	15.3± 7.9	0.64
Serum Cortisol at recovery	17.2± 4.8	22.5± 7.5	0.01*
Serum Cortisol the day one postoperatively at 8 am	19.9 ±12.7	19.4± 5.8	0.89

**Table (5):** Blood glucose.

	Dex group N=20	Control group N=20	P-value
Blood glucose before the start of the study drug infusion (baseline).	98.9± 29.9	115.8 ±53.2	0.2
Blood glucose at recovery.	† 193.4± 76.5	# 271.4 ±118.2	0.018*
Blood glucose the day one postoperatively at 8 am	† 176± 123.2	# 205.4± 149.6	0.501

**Table (6):** C- reactive protein (CRP)

	Dex group N=20	Control group N=20	P-value
CRP before the start of the study drug infusion (baseline).	3.2± 6.2	3.3± 3.9	0.980
CRP at recovery.	2.5 ±5.4	3.2 ±3.9	0.673
CRP the day one postoperative at 8 am.	† 12.4± 8.7	# 15.3 ±7.6	0.259