

LIST OF TABLES

Table	Page
(I) APGAR score	23
(II) Nausea vomiting scale	23
(III) Shivering scale	24
(IV) Comparison between the two studied groups according to age (years)	26
(V) Comparison between the two studied groups according to weight (Kg)	28
(VI) Comparison between the two studied groups according to height (cm).	30
(VII) Comparison between the two studied groups according to duration of operation (minute)	32
(VIII) Heart rate changes in granisetron group (beat/min):	35
(IX) Heart rate changes in saline group (beat/min).	36
(X) Comparison between the studied groups according to heart rate (beat/min).	37
(XI) MABP changes in group G patients (mmHg).	40
(XII) MABP changes in group S patients (mmHg).	41
(XIII) Comparison between the studied groups according to mean arterial blood pressure (mmHg).	42
(XIV) Changes in Oxygen saturation in patients of group G (%).	45
(XV) Changes in Oxygen saturation in patients of group S (%).	46
(XVI) Comparison between the studied groups according to Oxygen saturation (%).	47
(XVII) Comparison between the two studied groups according to ephedrine requirements (mg).	50
(XVIII) Comparison between the two studied groups according to incidence of hypotension.	53
(XIX) Comparison between the two studied groups according to time for delivery of fetus (min).	56
(XX) Comparison between the two studied groups according to APGAR score	59
(XXI) Comparison between the two studied groups according to nausea and vomiting scale.	62
(XXII) Comparison between the two studied groups according to shivering scale.	65
(XXIII) Comparison between the two studied groups according to incidence of complications.	68

LIST OF FIGURES

Figure		page
(1)	Vertebral column	2
(2)	Anatomy of lumbar vertebrae	3
(3)	Neural pathways in the control of shivering	10
(4)	Chemical structure of Granisetron	14
(5)	Comparison between the two studied groups according to age (years)	27
(6)	Comparison between the two studied groups according to weight (Kg)	29
(7)	Comparison between the two studied groups according to height (cm)	31
(8)	Comparison between the two studied groups according to duration of operation (min)	33
(9)	Comparison between the studied groups according to heart rate (beat/min).	38
(10)	Comparison between the studied groups according to mean arterial blood pressure (mmHg).	43
(11)	Comparison between the studied groups according to Oxygen saturation (%).	48
(12)	Comparison between the two studied groups according to ephedrine requirements (mg)	51
(13)	Comparison between the two studied groups according to incidence of hypotension.	54
(14)	Comparison between the two studied groups according to time of delivery for fetus (min).	57
(15)	Comparison between the two studied groups according to APGAR score (min)	60
(16)	Comparison between the two studied groups according to nausea and vomiting scale	63
(17)	Comparison between the two studied groups according to shivering scale	66
(18)	Comparison between the two studied groups according to incidence of complications.	69

LIST OF ABBREVIATIONS

5-HT	: 5-Hydroxytryptamine
ACTH	: Adreno Cortico Trophic Hormone
ASA	: American Society of Anesthesiologists
BJR	: Bezold Jarisch Reflex
CBF	: Cerebral Blood Flow
CS	: Caesarean Section
CSF	: Cerebrospinal Fluid
CYP3A	: Cytochrome P450 subfamily 3A
EBP	: Epidural blood patch
ECG	: Electrocardiogram
FDA	: Food and Drug Approval
FRC	: Functional residual capacity
GFR	: Glomerular filtration rate
GI	: Gastrointestinal
HES	: Hydroxy-ethyl starch
HR	: Heart Rate
HUT	: Head Up Tilt
IM	: Intra Muscular
IONV	: Intraoperative nausea and vomiting
IV	: Intravenous
kg	: kilogram
MABP	: Mean Arterial Blood Pressure
mg	: milligram
min	: minute
ml	: milliliter
NMDA	: N-methyl D-aspartate
O₂	: Oxygen
PDPH	: Postdural Puncture Headache
PONV	: post-operative nausea and vomiting
SSRI	: Selective Serotonin Reuptake Inhibitors
TNS	: Transient neurologic symptoms
TRI	: Transient radicular irritation