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شبكة المعلومـــات الجامعية التوثيق الالكتروني والميكروفيا.



# جامعة عين شمس

التوثيق الالكتروني والميكروفيلم



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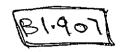
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#### PREEMPTIVE ANALGESIA

# A COMPARATIVE STUDY BETWEEN MORPHINE, KETAMINE AND MAGNESIUM SULFATE

A thesis submitted in partial fulfillment of the requirements of the master degree of anaesthesia

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#### **List of abbreviations**

ACTH	Adreno-corticotrophic hormone
ADH	Anti-diuretic hormone
АМРА	a-amino-3-hydroxy-5-methyl-4-isoxazole propionic acid
DRG	Dorsal Root Ganglion
EAAs	Excitatory Amino Acids
FRC	Functional residual capacity
FVC	Forced vital capacity
GABA	Gamma Amino-Butyric Acid
Glu	Glutamate
5НТ	5-Hydroxy Tryptamine (Serotonin)
IASP	International Association for the Study of Pain
Κ , ,	Kainate
KA	Kainic acid
MPQ	McGill Pain Qustionnaire
MgSO <sub>4</sub>	Magnesium Sulfate
NE	Norepinephrine
NMDA	N-methyl-D-aspartate.
NO	Nitric Oxide
NRM	Nucleus raphe magnus
NSAIDs	Non Steroidal Anti-inflammatory Drugs
PAG	Periaqueductal gray
PCA	Patient Controlled Analgesia
PCP	Phencyclidine
PLVNT	Posterolateral Ventral Nucleus of the Thalamus
Q	Quiqualate
SDS	Simple Descriptive Scale
SP	Substance P
SVR	Systemic vascular resistance
TENS	Transcutaneous Electrical Nerve Stimulation .
VAS	Visual Analogue Scale
VRS	Visual Rating Scale

