شبكة المعلومات الجامعية

# بسم الله الرحمن الرحيم


HOSSAM MAGHRABY

شبكة المعلومات الجامعية


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# التوثيق الالكتروني والميكروفيلم

HOSSAM MAGHRABY

شبكة المعلومات الجامعية

# جامعة عين شمس

## التوثيق الإلكتروني والميكروفيلم

## قسم

نقسم بالله العظيم أن المادة التي تم توثيقها وتسجيلها

علي هذه الأقراص المدمجة قد أعدت دون أية تغيرات

## يجب أن

تحفظ هذه الأقراص المدمجة بعيدا عن الغبار

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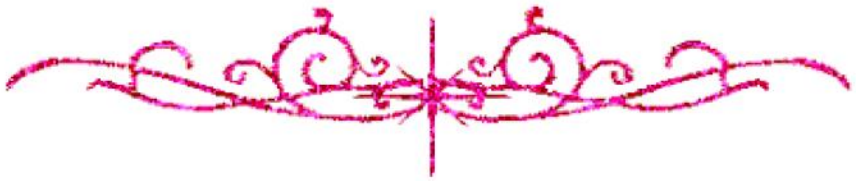
# بعض الوثائق الأصلية تالفة



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# بالرسالة صفحات

# لم ترد بالأصل

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# Hemodynamic, Ventilatory and Endocrinal Stress Responses Changes in Laparoscopic Cholecystectomy under Different Anesthetic Techniques

*Thesis*

***Submitted for partial fulfillment of M.D. degree in***
Anesthesiology

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# List of Abbreviation

| | |
|---|---|
| **ACTH** | Adrenocorticotrophic hormone |
| **ADH** | Anti-Diuretic hormone |
| **ASA physical status** | American society of Anesthesiologist physical status |
| **CLC** | Conventional laparoscopic cholecystectomy |
| **$CO_2$** | Carbon dioxide |
| **COPD** | Chronic obstructive pulmonary disease |
| **Cort** | Serum cortisol level |
| **CVP** | Central Venous Pressure |
| **Da-$ETCO_2$** | $PaCO_2$-end tidal $CO_2$ ($PETCO_2$) difference |
| **ECG** | Electrocardiogram |
| **GH** | Growth hormone |
| **GLC** | gasless laparoscopic cholecystectomy |
| **HR** | Heart rate |
| **IAP** | Intraabdominal pressure |
| **Ins/exp VT** | Inspiratory and expiratory tidal volume |
| **Int-6** | Serum interleukin-6 level |
| **MAP** | Mean Arterial Pressure |
| **$N_2O$** | nitrous oxide |
| **NSAIDs** | Non steroidal antiinflamatory drugs |
| **$O_2$** | Oxygen |
| **$PaCO_2$** | Partial pressure of carbon dioxide in arterial blood |
| **$PaO_2$** | Oxygen partial pressure |
| **$P_{aw}$** | Peak airway pressure |