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# شبكة المعلومات الجامعية التوثيق الالكتروني والميكروفيلم





شبكة المعلومات الجامعية

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التوثيق الالكتروني والميكرو فيلم

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# **CONSCIOUS SEDATION**

## **ESSAY**

For Partial Fulfilment of the M.Sc.  
Degree in Anaesthesiology

**By**

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**2000**



## ACKNOWLEDGEMENT

*First and foremost, I feel always indebted to God, the kind and merciful*

*I would like to express my deepest gratitude to Professor Dr. AFAF HAMED ABDALLAH Professor of Anaesthesiology, Faculty of Medicine, Cairo University, for her kind guidance and supervision. Her exceptional assistance was most valuable for me.*

*My sincere thanks to Professor Dr. TAREK AHMED MOUSTAFA RADWAN, Assistant Professor of Anaesthesiology, Faculty of Medicine, Cairo University for his encouragement and supervision.*

*Last but not least I am also expressing my warmest thanks to Dr. KHALED EL SAID ABD EL RAHMAN, Lecturer of Anaesthesiology, Faculty of Medicine, Cairo University, for his generosity and positive attitude. He has devoted much efforts and time for me.*

*Ahmed Salah Ahmed Saleh*





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## ABSTRACT

Conscious sedation is a technique that originated in the practice of oral surgery and dentistry (*Kallar, 1991 and Nemiroff, 1993*). It is popular and widely used to supplement local or regional anesthesia during a variety of short term, therapeutic, and diagnostic procedures. Many patients prefer the light sleep of conscious sedation and analgesia versus general anesthesia and like the added amnesic benefit that many of the medications provide. The goals of patient care are to provide adequate safety, while allaying patient fears and anxiety.

In recent years out-patient surgery has drastically increased because of advances in technology, pharmacology and anaesthetic techniques. In 1995 close to 4 million procedures at outpatient surgery centers in the United States.

By the year 2000 approximately 70% of patient care will be provided in alternative setting such as physician offices or free-standing facilities (*Micheal and Merich 1990*). To day the anaesthetic technique of choice for a significant portion of out patient surgery is intravenous conscious sedation and analgesia. many physicians , nurses and patients prefer the administration of conscious sedation and analgesia over general anaesthesia for patients who meet appropriate selection criteria. In the future an increase in the adminstration of

conscious sedation and analgesia over general anaesthesia can be expected for specific short-term therapeutic, diagnostic and surgical procedures.

One of the main advantages of conscious sedation and analgesia is the patient's rapid return to presedation levels, such patients generally experience a shorter recovery period, ambulate earlier, and more readily participate in the discharge process than do patients receiving general anaesthesia. Side effects from the medications are minimal and complications are few.

The aim of this essay is to focus on the benefits and risks when sedation/analgesia is required, to review the pharmacology of agents used and to provide guidelines for safe administration.

**Key words:**

Conscious sedation - deep sedation - analgesia

# INTRODUCTION



