

شبكة المعلومات الجامعية







شبكة المعلومات الجامعية التوثيق الالكتروني والميكروفيلم



شبكة المعلومات الجامعية

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Evaluation of peroperative cholangiography through the gallbladder (cholecysto-cholangiography) during laparoscopic cholecystectomy



#### THESIS

SUBMITED FOR PARTIAL FUFILLMENT OF MASTER DEGREE IN GENERAL SURGERY

#### **INVESTIGATOR**

Mohamed Ahmed Tawfik
M.B; B.Ch,
Cairo University

#### **SUPERVISORS**

#### PROF. DR. MOHAMED KADRY MOHAMED KADRY

Professor of General & Plastic Surgery
Faculty of Medicine
Cairo University

#### PROF. DR. IBRAHIM GALAL KHALIFA

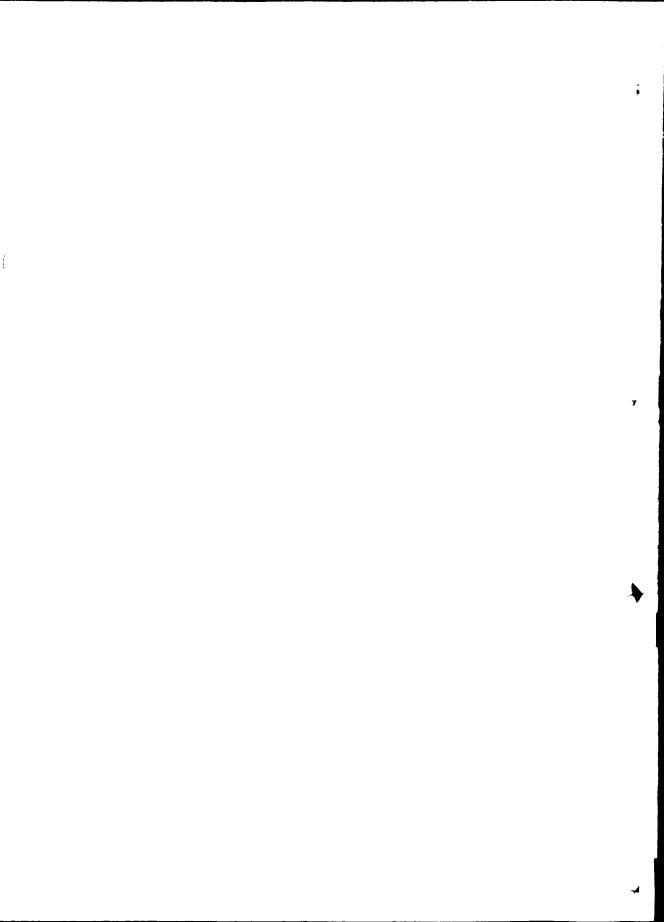
Professor of General & Plastic Surgery
Faculty of Medicine
Cairo University

#### DR. AYMAN IHAB NAFEH

Assistant Professor of General Surgery
Theodore Bilharz Research Institute
Ministry of Higher Education and Scientific Research

Faculty of Medicine
Cairo University

2005



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#### **ABSTRACT**

Numerous techniques for cholangiography during laparoscopic cholecystectomy have been described; almost all of which require cannulation of the cystic duct . For the infrequent user, it can be time consuming and difficult procedure. The wide variety of techniques, catheters and forceps used to aid cannulation testify to this difficulty. 10 patients with symptomatizing gallbladder stones were studied in this series.5 of them were evaluated for cholecysto-cholangiography and the other 5 for transcystic-cholangiography. The success rate in cholecystocholangiography approached 80% with excellent quality films obtained .Delineation of anatomy approached 85% ;75% for transcystic cholangiography; and exposure time to radiation compares favourably with cystic duct cannulation with a mean time 2.4mins. Cholecystocholangiography added less than 11mins to the procedure; mean 10.4mins, while transcystic cholangiography added an extra 30mins; mean 31mins. There were no cholangiogram related complications or false positive findings in our series with a smooth follow up period for one month. Our early experience with the procedure of cholecystocholangiography, and based upon the results of our study we conclude that laparoscopic cholecysto-cholangiography is a safe, simple ,quick and inexpensive method of intraoperative cholangiography that can be used as an alternative to cystic duct cholangiography ;with virtually no 'learning curve"; to identify biliary anatomy prior to laparoscopic dissection whereby possible iatrogenic injury to the hepatic or common. bile duct can be avoided. The acceptance of this procedure may encourage surgeons to perform cholangiography during laparoscopic cholecystectomy.

**KEYWORDS:** cholangiography, cholecysto-cholangiography, laparoscopic cholecystectomy.

#### Acknowledgement

Dirst of all greatest thanks are due to Allah, the most beneficent and merciful.

The completion of this work couldn't have been possible without the wholehearted and positive contribution of a number of people. I lack the right words to express the extent of my gratitude to all those involved. I will always remain beheld in awe for their help and guidance.

I particularly want to thank Prof. Dr. Mohammed Kadry, Professor of General & Plastic Surgery, Faculty of Medicine, Cairo University, who honored me with the supervision of this work, Because of his endless patience, the time he provided for this work, despite his busy schedule, his great and vital contribution brought this work into fruition. For him I will remain deeply grateful.

My sincere gratitude goes also to **Prof. Dr. Ibrahim Galal,** Professor of General & Plastic Surgery, Faculty of Medicine, Cairo University, for his remarkable ideas and remarks and for his time and effort in the supervision of this work.

I acknowledge the helpful and the supportive contribution of Dr. Ayman Ihab Nafeh,, Assistant Professor of Surgery, Theodore Bilharz Research Institute. I am very grateful for his supervision and deeply touched by the care and concern he always bestowed on me.

My deepest thanks and appreciation are also extended to Dr. Sameh El-Sebaie, Assistant Professor of General Surgery, and Dr. Hussein Ezzat, Lecturer of General Surgery, Theodore Bilharz Research Institute, for their very proficient gentleness in assisting me and without their support I would have much difficult task.

No words can be good enough to convey my thanks to my parents, my brother, my sister and my fiancé, for neither the completion of this work nor my continuity in my career would have been possible without their surrounding and overwhelming help, love and support.

I would like to thank all my colleagues for their continuous help and support.

Last but not least I would like to thank all my patients for their help.

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