

CIETAN TENNY CENTY CONTROL OF THE CO





ثبيكة المعلومات الجامعية



شبكة المعلومات الجامعية

التوثيق الالكتروني والميكروفيلم



## جامعة عين شمس

التوثيق الالكتروني والميكروفيلم



نقسم بللله العظيم أن المادة التي تم توثيقها وتسجيلها علي هذه الأفلام قد اعدت دون آية تغيرات



## يجب أن

تحفظ هذه الأفلام بعيداً عن الغيار "حفظ هذه الأفلام بعيداً عن الغيار % 40-20 منوية ورطوبة نسبية من 20 – 40 % To be kept away from dust in dry cool place of 15 – 25c and relative humidity 20-40 %



ثبيكة المعلومات الجامعية

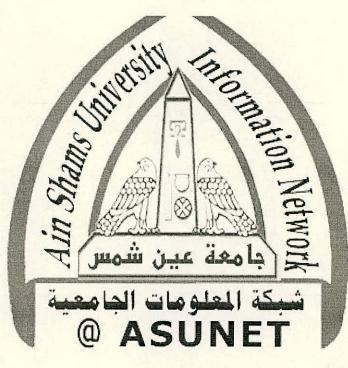


بعض الوثائق

الأصلية تالفة



ثبكة المعلومات الجامعية



بالرسالة صفحات

لم ترد بالأصل

# Simulated quadrantectomy after mastectomy: A clinico-patho-cytogenetic study of breast cancer in Egyptian women

### Thesis

Submitted for partial fulfillment of the M.D. Degree in **General Surgery** 

By
Alaa Mohamed El-Erian
M.B., B.Ch., M.Sc. (Ain Shams)

Supervisors

#### Prof. Dr. Reda Abdel Tawab Khalil

Prof. of General Surgery Faculty of Medicine Ain Shams University

#### Prof. Dr. Mohammed A. El-Sawy

Prof. of Pediatrics & Genetics
Faculty of Medicine
Ain Shams University

#### Prof. Dr. Shadia H. Mabrouk

Prof. of Pathology Faculty of Medicine Ain Shams University

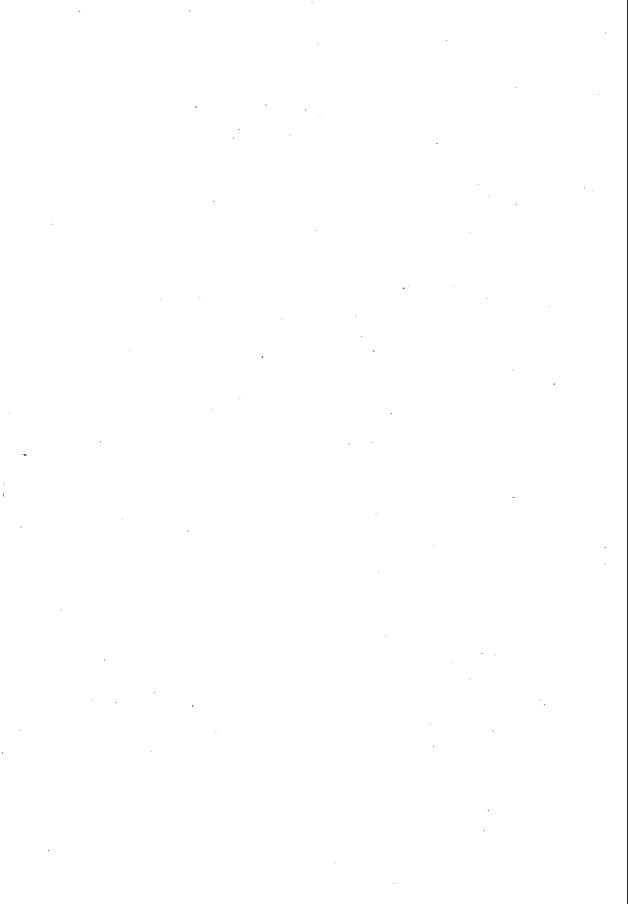
#### Dr. Alaa Abbas Moustafa

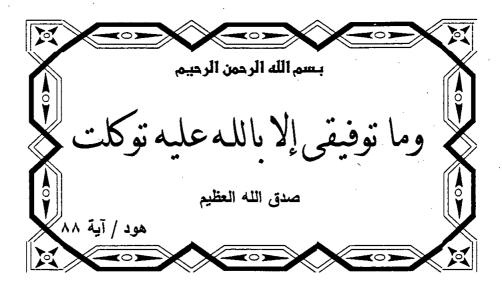
Assist. Prof. of General Surgery Faculty of Medicine Ain Shams University

B

Faculty of Medicine Ain Shams University

1998





## To...

The Soul of My Father

Alaa

#### Acknowledgment

I wish to express my deepest gratitude to Prof. Dr. Reda Abdel Tawab Khalil, Prof. of General Surgery, Ain Shams University, for giving me the privilege to work under his supervision and for his most valuable advice, guidance and recommendations throughout the whole work.

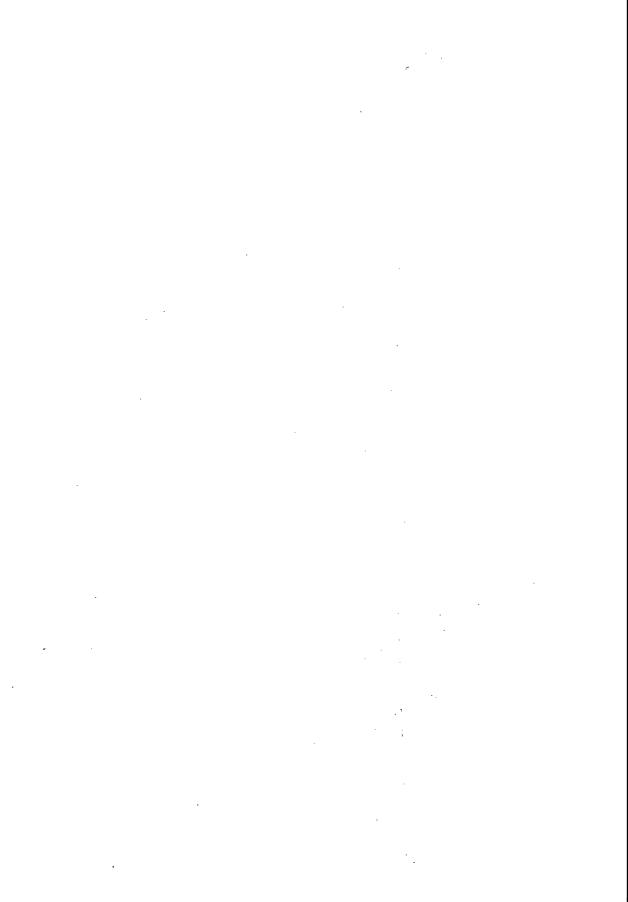
I am deeply thankful to Prof. Dr. Mohammed a. El-Sawy, Prof. of Pediatrics and Genetics, Ain Shams University, for his fruitful suggestions, continuous encouragement and precious remarks.

I am sincerely grateful to Prof. Dr. Shadia H. Mabrouk, Prof. of Pathology, Ain Shams University, for her constructive and encouraging assistance and meticulous follow-up of this work.

I am particularly grateful to Dr. Deya M. Marzouk, Assist. Prof. of General Srugery, Ain Shams University, for his kind help, the great effort he did and his valuable advice.

I am particularly grateful to Dr. Alaa Abbas Moustafa, Assist. Prof. of General Srugery, Ain Shams University, for his fruitful suggestions, the great effort he did and his valuable advice.

My thanks are extended to all my Professors and the Staff of General Surgery Department for their help.



## Contents

Page
Introduction and aim of the work
Review of Literature4
Anatomy of the breast4
Pathology of cancer breast
Concepts and mechanisms of breast cancer metastasis 38
Genetics of breast cancer
Diagnosis of early breast cancer74
Conservative surgery in the treatment of breast cancers. 96
Levels of axillary dissection
Factors influencing local recurrence after conservation
breast surgery
Follow up of patients after conservative breast surgery 151
Cosmetic evaluation after conservative surgery 159
Patients and Methods
<b>Results</b>
Discussion
<b>Summary</b>
References
Arabic Summary

.