

شبكة المعلومات الجامعية







شبكة المعلومات الجامعية التوثيق الالكتروني والميكروفيلم



شبكة المعلومات الجامعية

جامعة عين شمس

التوثيق الالكتروني والميكروفيلم

قسم

نقسم بالله العظيم أن المادة التي تم توثيقها وتسجيلها على هذه الأفلام قد أعدت دون أية تغيرات



يجب أن

تحفظ هذه الأفلام بعيدا عن الغبار في درجة حرارة من ١٥-٥٠ مئوية ورطوبة نسبية من ٢٠-٠٠% To be Kept away from Dust in Dry Cool place of 15-25- c and relative humidity 20-40%



بعض الوثائـــق الإصليــة تالفــة



بالرسالة صفحات لم ترد بالإصل

Biochemical Studies on Metastatic Breast Cancer

Thesis
Submitted in partial fulfilment for the requirements of
Ph D of Cancer Biology (Biochemistry)

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National Cancer Institute Cairo University 2002

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جامعة القاهرة معهد الإورام القومي

رقم مسلسل؛ (.....

ممقس إجتماع لهنة المكم

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اً جشدت لبنة العكم على الرمثالة المذكورة من الســــــادة/ الاستاذ المشكــــود/ كلامنية. (عــــكندس، خطارى) بك
الاستاد المكتب در/ هم كان كا مرست عرادي . آ لاسم دروي
لاستعمار سوالاعصر صبحه دا المه
ولاله في يوباب لسسمنده ٢٠/٧/١٠ من الساعةو لحياد بيتي من وبيان
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ثم ناقشه السادة أعضاء لهنة المكم قرية
بغده الجنسة
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Acknowledgement

First and foremost thanks are due to GOD. In few grateful words.

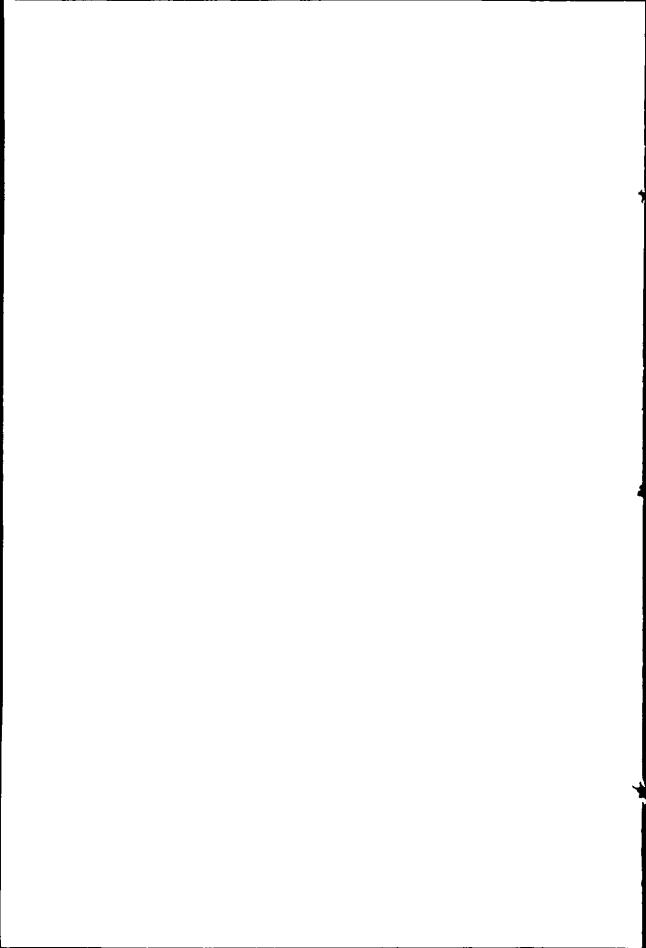
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Abstract

Two hundred and twenty females were included in this study. These individuals were divided into the following three major groups: 1: Control (40 healthy females). II: Non-metastatic breast cancer patients (60 cases). III: Metastatic breast cancer patients (120 cases). Group III was further divided into the following four subgroups: IIIa: Breast cancer with bone metastasis (50 cases). IIIb: Breast cancer with lung metastasis (40 cases). IIIc: Breast cancer with bone and soft tissues metastasis (20 cases), and IIId: Breast cancer with soft tissues metastasis (10 cases).

The aim of the present work was to investigate the role of osteocalcin (OC), parathyroid hormone (PTH), calcitonin (CT), urokinase plasminogen activator (uPA), cathepsin D (CD), epidermal growth factor (EGF), epidermal growth factor receptor (EGFR), and c-erbB-2 in the diagnosis of breast cancer and its degree of metastasis.

The present study revealed that, (1) EGF, EGFR, and c-erbB-2 showed significant slight elevation in cases of non-metastatic breast cancer cases. (2) EGFR, c-erbB-2, uPA and CD were significantly elevated in cases of metastatic breast cancer, regardless the site of metastasis. (3) OC, PTH and CT were significantly elevated in cases of breast cancer patients with bone metastasis, whether alone or associated with soft tissue metastasis.

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Keywords

Breast cancer, Osteocalcin, Parathyroid hormone, Calcitonin, Human urokinase-type plaminogen activator, Cathepsin D, Epidermal growth factor, Epidermal growth factor receptor, c-erbB-2

