

دراسة دور الليبتين في الأنواع الفرعية لسرطان الثدي

رسالة مقدمة

من

محمد حسنى عبد النبى حسن

إلى

كلية العلوم

كجزء من متطلبات الحصول على
درجة الدكتوراه في العلوم

علم الحيوان
(خلية وأنسجة و وراثة)

قسم علم الحيوان

كلية العلوم

جامعة القاهرة

(٢٠١٧)

**Studying the role of Leptin in breast cancer
sub-types**

Presented by

Mohamed Hosney Abdel Naby Hassan

A Thesis submitted

To

Faculty of Science

In Partial Fulfillment of the Requirements for

The degree of PhD in Zoology

(Cell biology, Histology and Genetics)

Zoology Department

Faculty of Science

Cairo University

(2017)

Approval sheet

Title of PhD. Thesis:

“Studying the role of Leptin in breast cancer sub-types”

Name of Candidate:

Mohamed Hosney Abdel Naby Hassan

Supervisors Committee:

1. Prof. Dr. Khadiga Mohamed Gaafar

Professor of Physiology and Endocrinology
Department of Zoology,
Faculty of Science, Cairo University

2. Prof. Dr. Mona Mostafa Mohamed

Professor of Cell biology and Cancer biology
Department of Zoology,
Faculty of Science, Cairo University

3. Dr. Salwa Farouk Sabet

Associate Professor of Molecular biology
Department of Zoology,
Faculty of Science, Cairo University.

4. Prof. Dr, Mohamed El-Sayed El-Shinawi

Professor of General surgery
Department of General Surgery,
Faculty of Medicine, Ain Shams University

**Head of Zoology Department
Faculty of Science, Cairo University**

Prof. Dr. Amira Kamal Ahmed