

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



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بالرسالة صفحات لم ترد بالإصل





Immunotherapy: Basic Concepts and Applications



Essay
Submitted for the partial fulfillment of
M.Sc. Degree
In

CLINICAL & CHEMICAL PATHOLOGY

Ву

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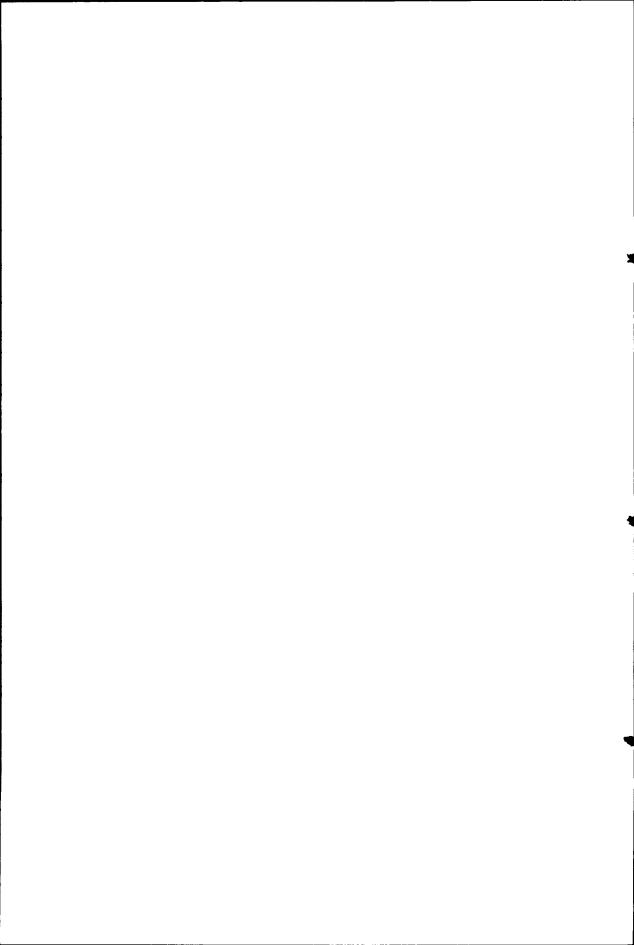
(قالوا سبحانك لا علم لنا إلا ماعلمتنا إنك انت العليم الحكيم)

بسم الله الرحمن الرحيم

صدق الله العظيم

Dedication

I dedicate this work to my family, my husband, and my daughters, whom without their sincere emotional support, this work would have never been completed.



Acknowledgment

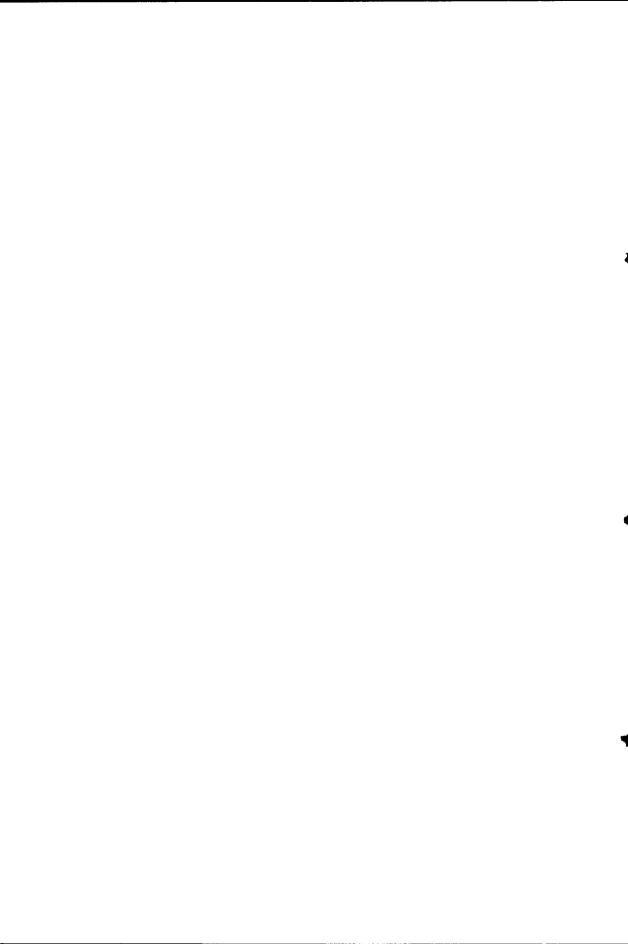
In these few lines, I would like to thank **ALLAH** the almighty, for granting me:

Teachers

First I would like to express my deepest gratitude and appreciation to Professor Dr. Hala Fathy Sheba, Professor of clinical & chemical pathology, Faculty of medicine, cairo university, for her sincere help, guidance and keen supervision.

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Abstract

Immunotherapy refers to treatment strategies based upon modulating the immune system either by activation or suppression to achieve a prophylactic or therapeutic goal. Strategies that enhance the immune response include active and passive ones. The active includes vaccination and adjuvants, adoptive T cell therapy, mAb therapy, NK cell therapy as well as cytokine therapy. While passive immunotherapy includes antibody replacement therapy.

Strategies that diminish the immune response, on the other hand, include anti-inflammatory agents (steroids and NSAIDs) as well as immuno-suppressive measures for RA, bronchial asthma and graft rejection.

Strategies that alter the immune response include pre-emptive measures as Rh Ig therapy and antibiotic therapy, as well as modification of ongoing diseases by cytokines and allergy desensitization.

Finally, immunotherapy also includes targeted therapy that targets one type of cell or antigen without injuring other cells. This review highlights the different modalities of immunotherapy with special concern on cancer.

• *Keywords*: Immunotherapy, Activation, Suppression, Cancer vaccines, Targeted therapy.

