شبكة المعلومات الجامعية

بسم الله الرحمن الرحيم

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

علي هذه الأفلام قد أعدت دون أية تغيرات

يجب أن

تحفظ هذه الأفلام بعيدا عن الغبار

في درجة حرارة من ١٥-٢٥ مئوية ورطوبة نسبية من ٢٠-٤٠%

To be Kept away from Dust in Dry Cool place of 15-25- c and relative humidity 20-40%

بعض الوثائق الاصلية تالفة

بالرسالة صفحات لم

ترد بالاصل

Minufiya University
Faculty of Home Economics
Dept. of Nutrition and Food Science

BIOLOGICAL EFFECT OF SOME VEGETABLES AND FRUITS ON SERUM LIPIDS OF RATS

By

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B.Sc., Faculty of Home Economics, AL-Azhar University

Thesis

Submitted in Partial Fulfillment of the Requirements for The Degree of Master (M. Sc.)

In Home Economics (Nutrition & Food Sci.)

Department of Nutrition and Food Science

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Committee in charge

Date: / / 2004

بِسْمِ اللَّهِ الرَّحْمَٰنِ الرَّحِيمِ

قَالُوا سُبْحَانَكَ لَا عِلْمَ لَنَا إِلَّا مَا عَلَّمْتَنَا

إِنَّكَ أَنْتَ الْعَلِيمُ الْحَكِيمُ

(البقرة: ٣٢)

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Biological Effect of Some Vegetables and Fruits on Serum Lipids of Rats.

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ABSTRACT

The aim of this investigation is to evaluate the biological effect of certain fruits and vegetables on lowering the level of cholesterol in blood, (108) of albino rats, were used in the study, (102) of rats introduced CHD by feeding on 2% cholesterol diet for 3 weeks. They were then divided into (10) groups. At the end of experiment the weigh gain was calculated. Retro- orbital blood samples were collected. Organs (liver – heart – kidney – spleen- lungs) of each rats were removed rapidly and were weighted separately, also used in his topathological study. Blood samples were used for estimation of fasting serum glucose, fasting serum Gpt and Got, fasting serum lipid profile [fasting serum lipid, fasting serum triglycerides, fasting serum total cholesterol, fasting serum high – density lipoprotein (HDL), fasting serum low-density lipoprotein (LDL) and fasting serum very low density lipoprotein (vLDL)].

Data arrived at showed that serum cholesterol levels declined significantly ($p< 0.001$) in all treated groups that fed on 10% and 20% (garlic, pomegranate and artichoke) when compared with control positive group, provided that feeding rats on basal diet but containing 20% boiled garlic, 10% and 20% pomegranate and 10% artichoke leaves decoction revealed more hypocholesteroleimc effect.

Key words: Garlic, pomegranate, artichoke, cholesterol, triglycerides, lipoprotein, internal organs, liver enzymes, rats.

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