



شبكة المعلومات الجامعية

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ





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شبكة المعلومات الجامعية

التوثيق الالكتروني والميكرو فيلم

جامعة عين شمس

التوثيق الالكتروني والميكرو فيلم

قسم

نقسم بالله العظيم أن المادة التي تم توثيقها وتسجيلها
علي هذه الأفلام قد اعدت دون أية تغيرات



يجب أن

تحفظ هذه الأفلام بعيداً عن الغبار

في درجة حرارة من 15 – 20 مئوية ورطوبة نسبية من 20-40 %

To be kept away from dust in dry cool place of
15 – 25c and relative humidity 20-40 %



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بعض الوثائق الأصلية تالفة



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بالرسالة صفحات
لم ترد بالأصل

LOW FREQUENCY ELECTROMAGNETIC FIELD AND ITS EFFECTS ON SEX HORMONES PITUITARY-GONADAL AXIS

A protocol Submitted for the Partial Fulfillment of Master Degree of Dermatology and andrology



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B N R A N

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

قَالُوا سُبْحَانَكَ لَا عِلْمَ لَنَا إِلَّا مَا
عَلَّمْتَنَا إِنَّكَ أَنْتَ الْعَلِيمُ الْحَكِيمُ.

صدق الله العظيم

سورة البقرة آية رقم (٣٢)

List of abbreviations

ABP: androgen-binding protein.

CRH: corticotrophin-releasing hormone.

CRT: cathode ray tube.

D.P.C.: diagnostic products corporation.

DHT: dihydrotestosterone.

E.L.F.: extremely low magnetic field.

E.M.F.: electromagnetic field.

FCM: Flow cytometry

FSH: follicle-stimulating hormone.

G: Gauss.

GH: growth hormone.

GM-CFC: Granulocyte macrophage colony forming cells

GN RH: gonadotrophin releasing hormone.

HCG: Human chorionic gonadotrophin

IGF-1: insulin-like growth factor-1.

INIRC: international non ionizing radiation committee.

LH: leutinizing hormone.

LL: long light.

MCR: metabolic clearance rates.

MCV: Mean corpuscular volume.

NIR: non ionizing radiation.

RIA: radioimmunoassay.

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Sa: spermatid A

Sb1: spermatid b1

Sb2: spermatid b2

Sc: spermatid C

SL: short light.

T: Tesla.

uT: unit Tesla

mT: micro Tesla

TS: testosterone.

TSH: thyroid stimulating hormone.

U.V R: Ultra Violet Radiation

VDTs: visual display terminals.

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