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شبكة المعلومات الجامعية

بسم الله الرحمن الرحيم



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شبكة المعلومات الجامعية



شبكة المعلومات الجامعية التوثيق الالكتروني والميكروفيلم



سامية محمد مصطفى



شبكة المعلومات الجامعية

جامعة عين شمس

التوثيق الإلكتروني والميكروفيلم

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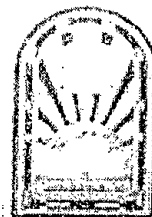
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بالرسالة صفحات لم ترد بالأصل



TANTA UNIVERSITY
FACULTY OF MEDICINE
Department of Forensic
Medicine & Clinical
Toxicology



STUDY OF IMMUNOTOXIC EFFECTS OF LEAD EXPOSURE

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Thesis

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بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

وَقُلْ لِي عَمَلُوا فِي سِيرَاتِي لَعَلَّيْكُمْ تَتَّقُونَ
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بِسْمِ اللَّهِ
الرَّحْمَنِ الرَّحِيمِ

المخلص العربي

يعتبر الرصاص من المعادن الثقيلة التي تدخل في كثير من الصناعات وتؤدي إلى تلوث البيئة وتعرض الإنسان لهذا التلوث باستمرار وبصفة خاصة في المصانع ، مما يدفعنا إلى دراسة تأثيرات الرصاص السمية على جميع أجهزة الجسم وخاصة الجهاز المناعي واحتمالات حدوث ضعف مناعة وتعرض الإنسان المستمر للأمراض .

الهدف من البحث: دراسة التأثيرات السامة للرصاص على الجهاز المناعي

نتائج البحث : كشفت نتائج الدراسة التي أجريت على فئران التجارب والعاملين بمصنع سينا للبطاريات بالعاشر من رمضان ، أن التعرض للرصاص يحدث آثار سمية على أجهزة الجسم المختلفة ومنها الجهاز المناعي الذي يقي الجسم من الأمراض ولذا يستخلص ضرورة اتخاذ إجراءات وقائية مثل وضع برنامج مناسب للتقليل من التعرض لهذا التلوث واستخدام ملابس و كمادات خاصة للوقاية منه والكشف الدوري المستمر على العاملين بتلك المصانع وتثقيفهم صحيا .

ENGLISH SUMMARY

Lead is one of the major hazards for human health due to its wide distribution environment so lead is considered as a serious occupational disease in some industries. A cute & chronic exposure to inorganic lead may result in impairment of immune functions in exposed persons with depression of cellular and humoral immunity.

AIM OF THE WORK : Is to evaluate some toxicological effects of lead on the immune system.

RESULTS : Lead exposure induced immunosuppressive effects. Exposed workers to lead should be protected by certain clothes and masks and enrolled In a medical surveillance program that include periodic medical examination and health education program .

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LIST OF ABBREVIATIONS

Pb	Lead
Cd	Cadmium
Cu	Copper
Zn	Zinc
RBC	Red Blood Cell
CNS	Central Nervous System
PNS	Peripheral Nervous System
PAS	Periodic-Acid-Schiff
H	Hertz
ALA	Amino-levulinic Acid
FSH	Follicular Stimulating Hormone
DNA	Deoxyribonucleic Acid
TEL	Tetra Ethyl Lead
FEP	Free erythrocyte protoporphyrin
CBC	Complete Blood Count
EP	Erythropoietin
BAL	British Anti-Lewisite
FDA	Food and Drug Administration
DMSA	Dimercaptosuccinic Acid
G ₆ PD	Glucose-6-Phosphate Dehydrogenase
EDTA	Ethylene Diamine Tetra-Acetate
DMSA	Dimercapto Propane Sulfonic
PH	Hydrogen ion concentration
MHC	Major Histocompatibility Complex
PALS	Peri Arteriolar Lymphoid Sheath
MALT	Mucosal Associated Lymphoid Tissue
SALT	Skin Associated Lymphoid Tissue