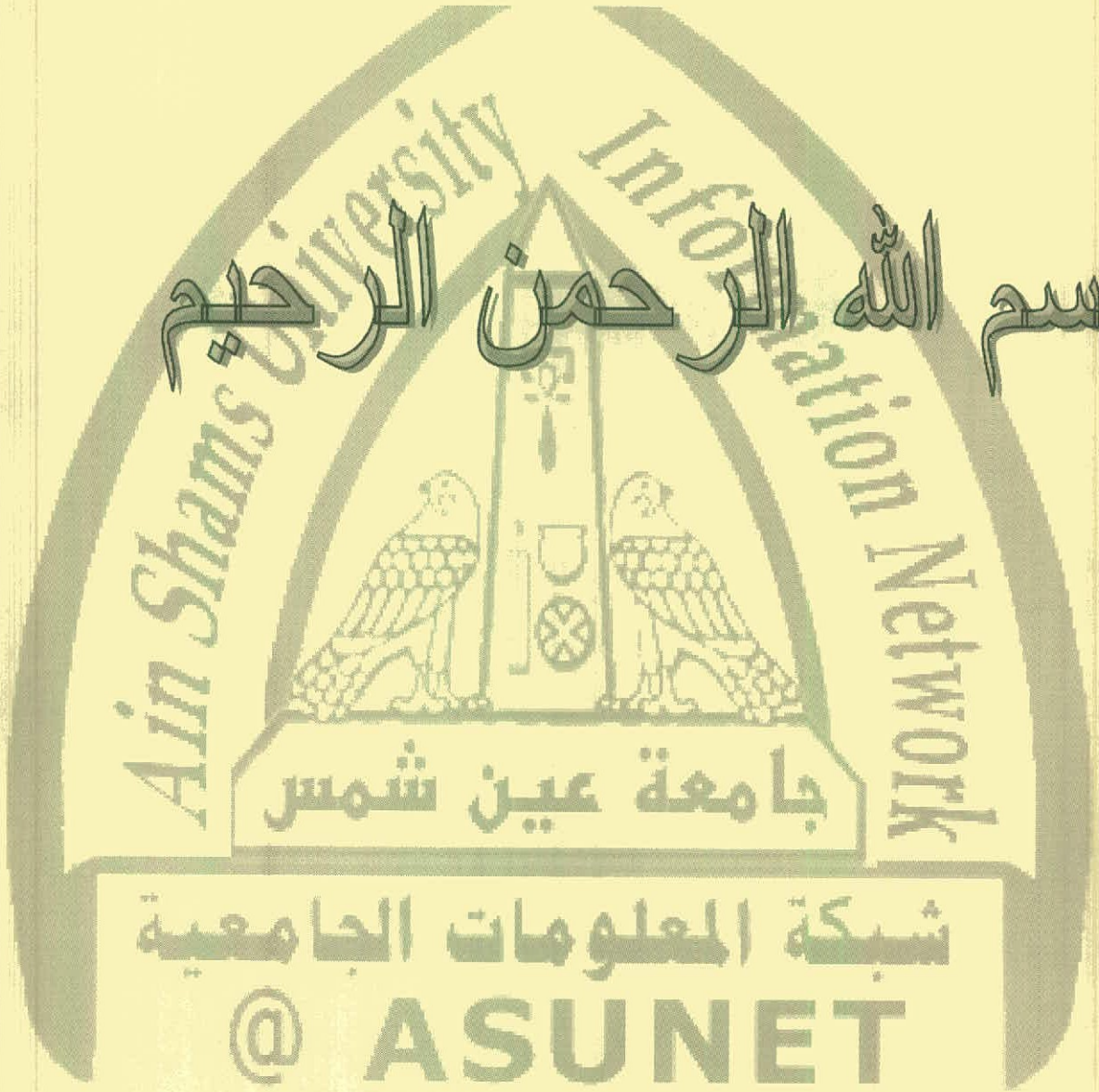
شبكة المعلومات الجامعية



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
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بعض الوثائـــــــق الاصليـــــة تالفـــة

بالرسالة صفحات لم ترد بالاصل

THE ROLE OF CYTOKINES IN EXPERIMENTALLY INDUCED RHEUMATOID ARTHRITIS AND OSTEOARTHRITIS IN TEMPOROMANDIBULAR JOINT OF GUINEA PIGS

Thesis

Submitted to the Faculty of Dentistry, Suez Canal University

For Partial Fulfillment of the Doctor Degree

In

Oral Surgery

BY

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FACULTY OF DENTISTRY
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بسم الله الرحمن الرحيم

(قالوا سبحانك لا علم لنا إلا ما علمتنا إنك أنت العليم الحكيم)

صدق الله العظيم

سورة البقرة (٣٢)

Author	Walid Ahmed Ahmed Shaban Ghanem
Title	The role of cytokines in experimentally induced Rheumatoid arthritis and osteoarthritis in Temporomandibular Joint of guinea Pigs
Faculty	Dentistry
Department	Oral Surgery
Location	Ismailia
Degree	Doctor (PhD)
Date	
Language	English
Supervision Committee	Prof. Tarek Moustafa ElsharKawy - Dr Mohamed Badr Husan

English Abstract

This study was carried out on 100 adult male guinea pigs strain 2 of over ago and weight the animals were divided into five groups. In this study the role of cytokines in experimentally induced rheumatoid arthritis and osteoarthritis was established. Rheumatoid arthritis (RA) was induced by intraperitoneal injection of heat inactivated cells of group A streptococcus pyogens. Osteoarthcitis (OA) was induced by extraction of the posterior teath. The radiographic, macroscopic and microscopic findings of the present study revealed degener active changes of both articulating surfaces and disc of the TMJ of guinea pigs in the experimental animal groups. These changes began after one week and increased by time (6-12 weeks). These changes were much more evident in RA with interleukin -1β (IL-1 β) and OA with IL- 1 β groups. From the results of this study we can conclude the following IL-1 β plays arole in the pothogenesis of OA group and causes more deterioration in the OA pathologic changes IL-1 β plays a role in the pathogenesis of RA group and causes more deterioration in the RA pathologic changes. Disc displocement may be the late sequence of RA and OA groups.

Key words	

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