



شبكة المعلومات الجامعية

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ





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## التوثيق الالكتروني والميكرو فيلم

# جامعة عين شمس

التوثيق الالكتروني والميكرو فيلم

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# بعض الوثائق الأصلية تالفة



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بالرسالة صفحات  
لم ترد بالأصل

**COLLAGEN METABOLISM IN  
RHEUMATOID ARTHRITIS AND OSTEOARTHRITIS**

*Thesis*

*Submitted in partial Fulfillment of the Requirements of  
MD. degree in Physical Medicine and Rehabilitation*

*By*

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# Contents

	Page
Introduction-----	1
Aim of the work-----	4
Review of literature:-----	5
• <b>Chapter I:</b> Structure and function of joints and connective tissue -----	5
• <b>Chapter II:</b> Collagen-----	19
• <b>Chapter III:</b> Pathogenesis of rheumatoid arthritis and its relation to disturbance of collagen metabolism-----	31
• <b>Chapter IV:</b> Arthritic changes in osteoarthritis and disturbance of collagen metabolism-----	43
• <b>Chapter V:</b> Free oxygen radicals and their possible effect in the pathogenesis of RA and OA-----	49
• <b>Chapter VI:</b> Antioxidant vitamins-----	56
• <b>Chapter VII:</b> Trace elements-----	63
Subjects & Methods -----	70
Results -----	91
Discussion -----	117
Summary and Conclusion -----	135
Recommendations -----	138
References -----	139
Arabic Summary	



## List of Abbreviations

CS	Chondroitin sulphate
ESR	Erythrocyte sedimentation rate
GS	Grip strength
H <sub>2</sub> O <sub>2</sub>	Hydrogen peroxide
Hb %	Hemoglobin percentage
HOCL	Hypochlorite
HS	Highly significant
ICTP	Carboxyterminal telopeptide of type I collagen
IDA	Index of disease activity
IgG	Immunoglobulin G
IL	Interleukin
M&M	Mallya and Mace score of disease activity
MCP	Monocytes chemoattractant protein
MDAG	Mean disease activity grade
MMP	Matrix metalloproteinases
MS	Morning stiffness
MVA	Multivariate analysis
NS	Non significant
OA	Osteoarthritis
OH	Hydroxyl radical
P	Incidence of probability
P CO <sub>2</sub>	Carbon dioxide pressure
PDGF	Platelet derived growth factor
PG	Prostaglandin
PIIICP	Carboxyterminal propeptide of type III collagen
PIIINP	Amino terminal propeptide of type III collagen

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PMNs	Polymorphonuclear leukocytes
PO <sub>2</sub>	Oxygen pressure
PS	Severity of pain
PsA	Psoriatic arthritis
RA	Rheumatoid arthritis
ROS	Reactive oxygen species
S	Significant
SD	Standard deviation
Sig.	Significance
SOD	Superoxide dismutase
“t”	Student’s t test
TGF	Trans-forming growth factor
TNF	Tumor necrosis factor
VAS	Visual analog scale
VLA	Very late antigen

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## List of Tables

*Page*

<b>Table (1):</b> Classification of collagens -----	19
<b>Table (2):</b> Potential effects of oxygen-free radicals -----	50
<b>Table (3):</b> Criteria for classification of idiopathic OA of the knee -----	70
<b>Table (4):</b> Sheet for clinical assessment score of OA patients -----	81
<b>Table (5):</b> The demographic, clinical and laboratory data of rheumatoid arthritis patients. -----	82
<b>Table (6):</b> The demographic, clinical and laboratory data of OA patients. --	83
<b>Table (7):</b> The demographic and laboratory data of the control group. -----	84
<b>Table (8):</b> Comparison between RA patients and control regarding collagen markers and ESR. -----	96
<b>Table (9):</b> Comparison between OA patients and control regarding collagen markers and ESR. -----	96
<b>Table (10):</b> Comparison between RA and OA patients regarding various variables. -----	97
<b>Table (11):</b> ICTP concentrations in synovial fluid and serum of patients and control. -----	101
<b>Table (12):</b> PIIINP concentrations in synovial fluid and serum of patients and control. -----	101
<b>Table (13):</b> Shows the correlation coefficient (r ) between various parameters of RA patients -----	104
<b>Table (14):</b> Shows the correlation coefficient (r ) between Sy. ICTP, Sy. PIIINP and various parameters of RA patients. -----	105
<b>Table (15):</b> The correlation coefficient (r ) between various parameters of OA patients. -----	106
<b>Table (16):</b> Spearman correlation (r) between serum and synovial ICTP & PIIINP and X-ray grading in OA patients -----	106

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<b>Table (17):</b> predictive value of serum collagen markers (ICTP &PIIINP) against ESR -----	107
<b>Table (18):</b> Comparison between RA patients group I “those received adjuvant antioxidant therapy” before and after treatment. -----	109
<b>Table (19):</b> Comparison between RA patients group II “those did not receive the antioxidant therapy” before and after the treatment. -	109
<b>Table (20):</b> Comparison between OA patients group I “those received adjuvant antioxidant therapy” before and after treatment. -----	111
<b>Table (21):</b> Comparison between OA patients group II “those did not receive the antioxidant therapy” before and after treatment. -----	111
<b>Table (22):</b> Comparison between OA patients group I those received adjuvant antioxidant therapy before and after treatment regarding X-ray grading. -----	112
<b>Table (23):</b> Comparison between OA patients group II “those not received the antioxidant therapy” before and after treatment regarding X-ray grading. -----	112

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