

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ



# شبكة المعلومات الجامعية التوثيق الالكتروني والميكروفيلم



شبكة المعلومات الجامعية

# جامعة عين شمس

التوثيق الالكتروني والميكروفيلم

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# Galactosyl Hydroxylysine as a Biochemical Marker of Bone Resorption

*Essay*

*Submitted for partial fulfillment of the Master Degree in  
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Presented by



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2002

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﴿قَالُوا سُبْحَانَكَ لَا عِلْمَ لَنَا إِلَّا مَا

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## LIST OF ABBREVIATIONS

Acc	: Accuracy
ACP	: Acid phosphatase
ALP	: Alkaline phosphatase
ALS	: Amyotrophic lateral sclerosis
CPC	: O- cresol-phthalein complexone
Cr	: Creatinine
Cross-laps	: Type I collagen C-telopeptide
CRP	: C-reactive protein
CV	: Coefficient of variation
Dabsyl	
Chloride	: Dimethyl aminobenzene -4- sulphonyl chloride
D-Pyr	: Deoxy pyridinoline
EIA	: Enzyme immunoassay
ELISA	: Enzyme-linked immunosorbant assay
FIA	: Fluorescence immunoassay
Gal-Hyl	: Galactosyl Hydroxylysine
GF	: Glomerular filtrate
GH	: Growth hormone
GHD	: Growth Hormone deficiency

Glu-Gal-Hyl:	Glucosyl Galactosyl Hydroxylysine
HPLC	: High-performance liquid chromatography
HYP	: Hydroxyproline
ICTP	: The carboxy-terminal telopeptide of type I collagen
Ig-G	: Immunoglobulin G
LC/MS	: Liquid chromatography / Mass spectrometry
LiCl	: Lithium chloride
NTX	: Type I collagen cross-linked N-telopeptide
OAF	: Osteoclast activating factors
Pyr	: Pyridinoline
RIA	: Radioimmunoassay
ROC	: Receiver-operating characteristics
SCI	: Spinal cord injury
SD	: Standard Deviation
SEM	: Standard Error Of Mean
SPE	: Solid phase extraction
TRAP	: Tartarate resistant acid phosphatase
UCa	: Urinary Calcium
UTS	: Ullrich-Turner Syndrome
WL	: Wave Length

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**INTRODUCTION  
AND AIM OF  
THE WORK**

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