



شبكة المعلومات الجامعية

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ





شبكة المعلومات الجامعية



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

Role Of Transforming Growth Factor Beta In Diabetic Nephropathy

*Thesis submitted for partial fulfillment of the master degree of
internal medicine*

By

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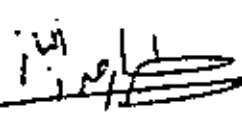
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*Cairo
2000*

B O C A T

بسم الله الرحمن الرحيم

”قَالُوا سُبْحَانَكَ اللَّهُ عَمَّا يُشْرِكُونَ
لَا إِلَهَ إِلَّا اللَّهُ مَا

عَلَّمَنَا إِنْ أَنْتَ إِلَّا الْعَلِيمُ الْحَكِيمُ”

صدق الله العظيم

سورة البقرة

آية ٣٢

To My Family



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LIST OF ABBREVIATIONS

ACE	Angiotensin converting enzyme .
ACEI	Angiotensin converting enzyme inhibitors .
AGE	Advanced glycosylation end products.
ANG II	Angiotensin II .
ATS	Anti- thymocyte- serum .
BB	BioBreeding
bFGF	basic fibroblast growth factor .
BMP	Bone morphogenetic protein .
DM	Dermatomyositis .
DN	Diabetic nephropathy .
Dpp	Decapentaplegic .
ECM	Extracellular matrix .
ESAF	Endothelial cell stimulating angiogenesis factor .
ESRD	End stage renal disease .
ET-1	Endothelin-1
Fibronectin EDA	Fibronectin containing extra domain A.

List of Abbreviations

GBM	Glomerular basement membrane.
GFR	Glomerular filtration rate .
GLUT-1	Glucose transporter-1.
Hb _{A1C}	Glycosylated hemoglobin .
HSC	Hepatic stellate cells
IBM	Inclusion body myositis .
IDDM	Insulin dependent diabetes mellitus .
IGF	Insulin like growth factor .
IGF BP	Insulin like growth factor binding protein system .
IGF-1	Insulin like growth factor -1
IL-1	Interleukin-1
IL-1 Ra	Interleukin-1 receptor antagonist .
IL-1 α	Interteukin-1 α .
IL-1 β	Interleukin- 1 β .
IL-2	Interleukin- 2 .
LAP	Latency associated peptide .
LTBP	Latent TGF- β 1 binding protein .
Mad	Mothers against decapentaplegic