



شبكة المعلومات الجامعية
التوثيق الإلكتروني والميكروفيلم

بسم الله الرحمن الرحيم



MONA MAGHRABY



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التوثيق الإلكتروني والميكروفيلم



شبكة المعلومات الجامعية التوثيق الإلكتروني والميكروفيلم



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التوثيق الإلكتروني والميكروفيلم

جامعة عين شمس

التوثيق الإلكتروني والميكروفيلم

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The potential role of mesenchymal stem cells derived exosomes on the healing of grade II experimentally induced skeletal muscle injury in adult male albino rats.
Histological study

Thesis

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بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

قالوا

سببنا انك لا تعلم لنا
إلا ما علمتنا إنك أنت
العليم العظيم

صدق الله العظيم

سورة البقرة الآية: ٢٢

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List of Abbreviations

Abb.	Full term
DNA.....	Deoxyribonucleic acid
ECM.....	Extracellular matrix
FGF2.....	Fibroblast growth factor-2
HASCs	Human adipose-derived stem cells
HGF.....	Hepatocyte growth factor
HSkM	Human skeletal myoblasts
IGF.....	Insulin-like growth factor
IL-6	Interleukin-6
MASRI.....	Ain Shams Medical Research Center
MCK.....	Muscle creatine kinase
MDSCs	Muscle-derived stem cells
MHC.....	Myosin heavy chain
MHCd	Developmental MHC
miRNAs	MicroRNAs
MRFs.....	Myogenic regulatory factors
MRI.....	Magnetic Resonance Imaging
mRNAs	Messenger RNAs
MSCs	Mesenchymal stem cells
Myf5	Myogenic factor 5
MyoD.....	Myoblast determination protein
NSAIDs	Non-steroidal anti-inflammatory drugs
PBS.....	Phosphate buffer saline
PDGF.....	Platelet-Derived Growth Factor
PRP.....	Platelet rich plasma
SCs.....	Satellite cells
VEGF.....	Vascular endothelial growth factor
WHO	World Health Organization
α -SMA.....	Alpha-smooth muscle actin

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