



شبكة المعلومات الجامعية
التوثيق الإلكتروني والميكرو فيلم

بسم الله الرحمن الرحيم



MONA MAGHRABY



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جامعة عين شمس

التوثيق الإلكتروني والميكروفيلم

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MONA MAGHRABY

Evaluation of E- cadherin and Hydrogen Peroxide in Skin of Patients with Vitiligo

Thesis

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Dermatology, Venereology and Andrology*

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بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

قالوا

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

صدق الله العظيم

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List of Abbreviations

Abb.	Full term
<i>ACE</i>	<i>Angiotensin-converting enzyme</i>
<i>ACTH</i>	<i>Adrenocorticotrophic hormone</i>
<i>AIS</i>	<i>Autoimmune susceptibility</i>
<i>APS</i>	<i>Autoimmune Polyendocrine Syndrome type 1</i>
<i>ARE</i>	<i>Antioxidant response element</i>
<i>Bax</i>	<i>BCL-2 Associated X, Apoptosis Regulator</i>
<i>BCL-2</i>	<i>B-Cell Leukemia / Lymphoma 2</i>
<i>BCL-XL</i>	<i>B-Cell Lymphoma extra large</i>
<i>BER</i>	<i>Base excision repair</i>
<i>C°</i>	<i>Degree of centigrade</i>
<i>Ca²⁺</i>	<i>Calcium</i>
<i>CAT</i>	<i>Catalase</i>
<i>CD4</i>	<i>Cluster of differentiation 4</i>
<i>CD8</i>	<i>Cluster of differentiation 8</i>
<i>CD167a</i>	<i>Cluster of differentiation 167a</i>
<i>CDH1</i>	<i>Cluster of differentiation H1</i>
<i>COMT</i>	<i>Catechol-O-methyltransferase</i>
<i>CRH</i>	<i>Corticotropin releasing hormone</i>
<i>CRHR</i>	<i>Corticotropin releasing hormone receptor</i>
<i>CTLA-4</i>	<i>Cytotoxic T lymphocyte antigen-4</i>
<i>CXCL10</i>	<i>Chemokine (C-X-C motif) ligand 10</i>
<i>DDR1</i>	<i>Discodin domain receptor tyrosine kinase 1</i>
<i>DNA</i>	<i>Deoxyribonucleic acid</i>
<i>Ecad</i>	<i>E_cadherin</i>
<i>ESR</i>	<i>Estrogen receptor</i>
<i>FOXO</i>	<i>Forkhead box class O</i>
<i>FOXP1</i>	<i>Forkhead box P1</i>
<i>GCLC</i>	<i>Glutamate-Cysteine Ligase Catalytic Subunit</i>
<i>GCLM</i>	<i>Glutamate-Cysteine Ligase Modifier Subunit</i>

List of Abbreviations (Cont...)

Abb.	Full term
<i>GPx</i>	<i>Glutathione peroxidase</i>
<i>GR</i>	<i>Glutathione reductase</i>
<i>GSH</i>	<i>Glutathione</i>
<i>GSS</i>	<i>Glutathione synthetase</i>
<i>H₂O₂</i>	<i>Hydrogen peroxide</i>
<i>HI</i>	<i>Healthy individuals</i>
<i>HLA</i>	<i>Human leukocyte antigen</i>
<i>HMGB1</i>	<i>High mobility group box1</i>
<i>HO-1</i>	<i>Heme oxygenase-1</i>
<i>HRP</i>	<i>Horseradish peroxidase</i>
<i>ICAM-1</i>	<i>Intercellular adhesion molecule-1</i>
<i>IFN γ</i>	<i>Interferon γ</i>
<i>IL-10</i>	<i>Interleukin-10</i>
<i>IL-17</i>	<i>Interleukin-17</i>
<i>IL-2RA</i>	<i>Interleukin-2 receptor A</i>
<i>iNos</i>	<i>Inducible nitric oxide synthase</i>
<i>Kda</i>	<i>Kilodalton</i>
<i>LXR α</i>	<i>Liver X receptor alpha</i>
<i>MBL2</i>	<i>Mannan-binding lectin</i>
<i>MDA</i>	<i>Malondialdehyde</i>
<i>MHC</i>	<i>Major histocompatibility complex</i>
μ L.....	<i>Microlitre</i>
<i>NADP (H)</i>	<i>Nicotinamide adenine dinucleotide phosphate (H)</i>
<i>NALP1</i>	<i>NACHT leucine-rich repeat protein 1</i>
<i>NB –UVB</i>	<i>Narrow band ultra violet B</i>
<i>Nm</i>	<i>Nanometre</i>
<i>NPY</i>	<i>Neuropeptide Y</i>
<i>NQO-1</i>	<i>NADP quinone dehydrogenase 1</i>
<i>NRF2</i>	<i>Nuclear Factor E2-Related Factor 2</i>

List of Abbreviations (Cont...)

Abb.	Full term
<i>NSV</i>	<i>Non-segmental vitiligo</i>
<i>O²⁻</i>	<i>Superoxide</i>
<i>OH⁻</i>	<i>Hydroxyl ion</i>
<i>OXOG</i>	<i>Oxoguanine</i>
<i>PARP</i>	<i>Poly (ADP-ribose) polymerase</i>
<i>PBS</i>	<i>Phosphate buffer saline</i>
<i>PCNA</i>	<i>Proliferating cell nuclear antigen</i>
<i>PI3K</i>	<i>Phosphoinositide3-kinase</i>
<i>PKB</i>	<i>Protein kinaes B</i>
<i>POMC</i>	<i>Proiomelanocortin</i>
<i>PRX</i>	<i>Peroxiredin</i>
<i>PTPN22</i>	<i>Protein tyrosine phosphatase non-receptor type 22</i>
<i>PUVA</i>	<i>Psolaren ultraviolet A</i>
<i>ROS</i>	<i>Reactive oxygen species</i>
<i>SLEV1</i>	<i>Systemic lupus erythematosus vitiligo-related gene</i>
<i>SNPs</i>	<i>Single nucleotide polymorphisms</i>
<i>SOD</i>	<i>Superoxide dismutase</i>
<i>SOX</i>	<i>SRY-Box gene</i>
<i>SSBs</i>	<i>single-strand breaks</i>
<i>SV</i>	<i>Segmental vitiligo</i>
<i>TGF-β</i>	<i>Transforming growth factor-beta</i>
<i>TGF-β</i>	<i>Transforming Growth Factor-β</i>
<i>Th17</i>	<i>T helper type 17</i>
<i>TLRs</i>	<i>Toll-like receptors</i>
<i>TNF-α</i>	<i>Tumour necrosis factor-alpha</i>
<i>Tregs</i>	<i>Regulatory T-cells</i>
<i>TRP</i>	<i>Tyrosinase-related proteins</i>

List of Abbreviations (Cont...)

Abb.	Full term
<i>TRX</i>	<i>Thioredoxin</i>
<i>UVA</i>	<i>Ultraviolet A</i>
<i>UVB</i>	<i>Ultraviolet B</i>
<i>VCAM-1</i>	<i>Vascular adhesion molecule-1</i>
<i>XBP1</i>	<i>X-box binding protein 1</i>
<i>Xg</i>	<i>X gravity</i>
<i>α-MSH</i>	<i>Melanocyte-Stimulating Hormone</i>
<i>μ/gm</i>	<i>Microgram</i>