

Early Myocardial Perfusion Abnormalities in Premenopausal Females with Systemic Lupus Erythematosus

Thesis

***Submitted for partial fulfillment of
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الكشف المبكر لاضطرابات الإرواء
الدموى لعضلة القلب فى مراحلها المبكرة
فى مريضات الذئبة الحمراء فى سن ما
قبل انقطاع الطمث

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من الطبيب

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List of abbreviations

AI	: Activity index
ACLE	: Acute cutaneous lupus erythematosus
ACR	: American college of rheumatology
ANA	: Antinuclear antibodies
Anti-dsDNA	: Anti double stranded DNA
Anti-snRNP	: Anti small nuclear ribonuclear protein
ALT	: Alanine transferase
AST	: Aspartate transferase
ATP	: Adenosine triphosphate
AS	: Ankylosing spondylitis
Apo-A1	: Apolipoprotein -1
APLA	: antiphospholipid antibodies
APS	: Antiphospholipid antibody syndrome
Bcl-2	: B cell lymphoma / leukemia 2
BLyS	: B-lymphocyte stimulator
BUN	: Blood urea nitrogen
BILAG	: British isles assessment group
BHMT	: Betaine homocysteine methyl transferase
BMD	: Bone mineral density
β 2-GP1	: Beta-2 glycoprotein 1
CD	: Cluster of differentiation
CD40L	: CD40 ligand
CSF	: Cerebrospinal fluid
CLI	: Chronic lesion index
CNS	: Central nervous system
Cox 2	: Cyclooxygenase 2
CCLE	: Chronic cutaneous lupus erythematosus
C1q	: Complement 1q
CH50	: Total serum haemolytic complement
Cr. Cl	: Creatinine clearance
CRP	: C-reactive protein
CT	: Computed tomography
C3	: Complement 3
C4	: Complement 4
CBC	: Complete blood count
CVD	: Cardiovascular disease
CHD	: Coronary heart disease
CBS	: Cystathionine β synthase

DBP	: Diastolic blood pressure
DHEA	: Dehydroepiandrosterone
DHEAS	: Dehydroepiandrosterone sulphate
DLE	: Discoid lupus erythematosus
DRVVT	: Dilute russel viper venom time
ELISA	: Enzyme linked immunosorbent assay
ESR	: Erythrocyte sedimentation rate
ECG	: Electrocardiography
EIA	: Enzymatic immunoassay
FANA	: Fluorescent antinuclear antibody
FMD	: Flow mediated dilation
GAI	: Glomerular activity index
GFR	: Glomerular filtration rate
HGB	: Hemoglobin
HDL	: High density lipoprotein
Hcy	: Homocysteine
HHcy	: Hyper homocysteinemia
HS	: Homocysteine synthase
HLA	: Human leucocytic antigen
ICAM-1	: Intracellular adhesion molecule- 1
IFI	: Immunofluorescence index
IIF	: Indirect immunofluorescence
IMT	: Intimal media thickness
IFN	: Interferon
Ig	: Immunoglobulin
IL	: Interleukin
ISN/RPS	: International society of nephrology/Renal pathology society
KDa	: Kilo Dalton
LDL	: Low density lipoprotein
LV	: Left ventricular
LAC	: Lupus anticoagulant
LPL	: Lipoprotein lipase
MBP	: Mannose binding protein
MCP-1	: Monocyte chemoattractant peptide- 1
MCTD	: Mixed connective tissue disease
MHC	: Major histocompatibility complex
MI	: Myocardial infarction
MPI	: Myocardial perfusion imaging
METs	: Metabolic equivalents

MS	: Methionine synthase
MTHFR	: Methylene tetrahydrofolate reductase
μmol/L	: Micromole/litre
mg	: Milligram
μg	: Microgram
mCi	: Millicuries
NIH	: National institute of health
NK cells	: Natural killer cells
NSAIDs	: Nonsteroidal anti-inflammatory drugs
PAPS	: Primary antiphospholipid antibody
PAS	: Periodic Acid Schiff
PBMCs	: Peripheral blood mononuclear cells
PBS	: Phosphate buffered saline
PDGF	: Platelet derived growth factor
PNL	: Polymorphonuclear leucocytes
PAD	: Peripheral arterial disease
Plt	: Platelets
PON-1	: Paraoxonase-1
RBCs	: Red blood cells
ROS	: Reactive oxygen species
RA	: Rheumatoid arthritis
RID	: Radial immune diffusion
SBP	: Systolic blood pressure
SD	: Standard deviation
SLE	: Systemic lupus erythematosus
SLEDAI	: Systemic lupus erythematosus disease activity index
Sm	: Smith
SnRNP	: Small nuclear ribonuclear protein
SRS	: Summed rest score
SDS	: Summed difference score
SSS	: Summed stress score
SPECT	: Single photon emission computed tomography
SLEDAI	: Systemic lupus erythematosus disease activity index
SLAM	: Systemic lupus activity measures
SPSS	: Statistical package for special science
SAM	: S-adenosyl methionine
SAH	: S-adenosyl homocysteine
s.Alb	: Serum albumin
s.Cr	: Serum creatinine
TGs	: Triglycerides