

Study of HLA-G genotypes in preeclampsia in relation to its mRNA expression in placental tissue

Thesis

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دراسة أنواع جين HLA-G فى مرض تسمم الحمل وعلاقتها بعملية نسخ الحامض النووي الريبوزي الرسول الخاص به فى نسيج المشيمة

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Abbreviations

ADMA	Asymmetric Di Methyl Arginine
ANOVA	Analysis of Variance
ANG2	angiopoietin 2
APC	Antigen-Presenting Cells
aPL	antiphospholipid
APS	Ammonium PerSulfate
BLAST	Basic Local Alignment Search Tool
BME	β -Mercaptoethanol
C.S	Cesarean Section
CCD	Charged Coupled Devise
cGMP	cyclic Guanosine MonoPhosphate
CTLs	Cytotoxic T Lymphocytes
dATP	deoxy Adenosine TriPhosphate
dCTP	deoxy Cytosine TriPhosphate
ddNTP	dideoxy Nucleotide TriPhosphate
dGTP	deoxy Guanosine TriPhosphate
DIC	Disseminated Intra vascular Coagulopathy
DNA	Deoxy Nucleic acid
dNTP	deoxy Nucleotide TriPhosphate
dsDNA	Double-stranded DNA
DTT	Dithiothretitol
dTTP	deoxy Thymidine TriPhosphate
EDHF	Endothelial Derived Hyperpolarizing Factor

EDTA	Ethylene Diamine Tetra-acetic Acid
eNOS	endothelial NO synthase
EVT	ExtraVillous Trophoblast
FGR	Fetal Growth Restriction
GTC	guanidine thiocyanate
HELP	H = hemolysis, E = elevated liver enzymes, LP = low platelet count
HIF-1	Hypoxia-Inducible Factor-1
HLA-G	Human Leukocyte antigen-G
HDL	High Density Lipoprotein
IFN-γ	interferon gamma
Ig	Immunoglobulin
IL-10	interleukin- 10
IL-2	interleukin-2
ITIM	Intracellular Tyrosine Inhibitory Motifs
IUGR	Intra-Uterine Growth Retardation
IVF	In vitro Fertilization
JAKs	Janus kinases
KDa	Kilo Dalton
KIR	killer Inhibitory Receptor
KIRs	Killer Immunoglobulin Receptors
LDL	Low density Lipoprotein
LIR-1	leukocyte Ig-like Receptor- 1
MHC	Major Histocompatibility Complex
mRNA	messenger Ribonucleic acid
NADPH	nicotinamide adenine dinucleotide phosphate
NF-κB2	Nuclear Factor- κ B2

NK	Natural killer
NP	Normal pregnancy
NPV	Negative Predictive Value
PAH	Pregnancy Associated Hypertension
PBMCs	Peripheral Blood Monocytes cells
PCR	Polymerase Chain Reaction
PE	preeclampsia
PIH	Pregnancy Induced Hypertension
PKG	Protein Kinase G
PIGF	Placental Growth Factor
PPV	Positive Predictive Value
PVPP	Polyvinyl Polypyrrolidone
P-value	Probability value
RFLP	Restriction Fragment Length Polymorphism
RNA	Ribonucleic acid
ROC	Receiver Operating Curve
RSA	Recurrent Spontaneous Abortion
RT-PCR	Reverse Transcriptase –Polymerase Chain Reaction
SA	Spontaneous Abortion
sFlt-1	soluble fms-like tyrosine kinase-1
sHLA-G	soluble HLA-G
SHP-1	SH2-containing protein tyrosine phosphatase
SNPs	Single-Nucleotide Polymorphisms
SPSS	Statistical Package of Social Science
ss DNA	single stranded DNA
SSCP	Strand Conformationl Polymorphism

STATs	Signal Transducers and Activators of Transcription
TAE	Tris-acetate EDTA
TBE	Tris-borate EDTA
TCR	T-Cell Receptors
TEMED	tetramethylethylenediamine
TGF-β1	transforming growth factor- β 1
TH	T-Helper
TNF-α	Tumor Necrosis Factor- α
uNK	uterine Natural Killer
3'UTR	3'-UnTranslated Region
5'URR	5'-Upstream Regulatory Region
VEGF	Vascular Endothelial Growth Factor
WHO	World Health Organization

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