

THE ROLE OF GAD ANTIBODIES IN THE EARLY PREDICTION OF DIABETES MELLITUS

*Essay for partial fulfilment of master degree in
clinical and chemical pathology*

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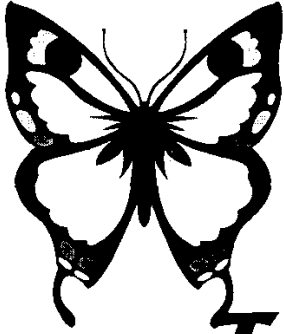
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To

***“Maher” My
Husband,
John & Mariam”
My Children***

With My Love



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List of abbreviations

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a a	amino acid.
BHK	Baby hamster kidney.
BSA	Bovine serum albumin .
CNS	Central nervous system.
COXP2c	Coxsachie virus P2 c protein.
DIDMOA	Diabetes insipidus, diabetes mellitus and optic atrophy.
EIA	Enzyme immunoassay.
EIP	Enzyme immunoprecipitation.
ELISA	Enzyme linked immunosorbent assay.
FPIR	First phase insulin response.
GABA	Gamma amino butyric acid.
GAD	Glutamic acid decarboxylase
GADA	GAD antibody.
GDM	Gestational diabetes mellitus .
HLA	Human leucocytic antigen .
HPLC	High performance liquid chromatography.
HPTLC	High performance thin layer chromatography.
IA2	Islet autoantigen 2.

IAA	Insulin autoantibody .
ICA	Islet cell antibody
ICA512	Islet cell antibody 512.
ICA69	Islet cell antigen 69.
IDDM	Insulin dependent diabetes mellitus
IL-1	Interleukin-1
IP	Immunoprecipitation.
IRMA	Immunoradiometric assay.
IVGTT	Intravenous glucose tolerance test.
JDF	Juvenile Diabetes Foundation
KD	Kilodalton
37KDa	37kilo dalton antibody.
LADA	Latent autoimmune diabetes mellitus in adults.
MBGAD	Mouse brain GAD.
MCTD	Mixed connective tissue disease.
MICA	Monoclonal anti islet cell antibodies .
MMTV	Mouse mammary tumour virus.
MW	Molecular weight.
NIDDM	Non-insulin dependent diabetes mellitus.
NOD	Non –obese diabetic.
PBMC	Peripheral blood mononuclear cells.
RBA	Radio binding assay.
RF	Rheumatoid factor.