

**ASSESSMENT OF ADRENAL RESERVE IN
ASTHMATIC CHILDREN RECEIVING INHALED
STEROID THERAPY USING LOW DOSE ACTH
TEST (1 μ G)**

Thesis

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بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

﴿وَعَلَّمَكَ مَا لَمْ تَكُنْ
تَعْلَمُ وَكَانَ فَضْلُ اللَّهِ
عَلَيْكَ عَظِيمًا﴾

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LIST OF ABBREVIATIONS

Abbrev.	Meaning
µg	Microgram
ACTH	Adreno-cortico-trophic hormone
AI	Adrenal insufficiency
ANOVA	Analysis of variance
AP-1	activator protein-1
B2	Beta2 agonist
BDP	Beclomethasone dipropionate
BMI	Bone mass index
BMP	Beclomethasone monopropionate
BUD	Budesonide
CAI	central adrenal insufficiency
CCSs	Corticosteroids
CT	Computed tomography
DPIs	dry powder inhalers
FEF	Forced expiratory flow
FEV1	Forced Expiratory volume in the first second.
Fig.	Figure
FLU	Flunisolide
FP	Fluticasone propionate

LIST OF ABBREVIATIONS (Cont...)

Abbrev.	Meaning
FVC	Forced vital capacity
GH	Growth hormone
GINA	Global initiative for asthma
GM-CSF	Granulocyte macrophage colony-stimulating Factor
GR	Glucocorticoid receptor
GST	Glucose tolerance test
h	Hour
hCRH	Human corticotrophin-releasing hormone
HPA	Hypothalamic-pituitary-adrenal
ICAM-1	Intercellular adhesion molecule-1
ICSs	Inhaled corticosteroids
IgE	Immunoglobulin E
IGF-1	Insulin-like Growth Factor-1
IGF-2	Insulin-like Growth Factor-2
IgG	Immunoglobulin G
IgM	Immunoglobulin M
IL	Interlukin
ITT	Insulin tolerance test
LABA	Long acting B agonist
LDST	Low dose Synacthen test

LIST OF ABBREVIATIONS (Cont...)

Abbrev.	Meaning
M2	Square meter
M-CSF	Macrophage-colony stimulating factors
MDI	Meterd dose inhaled
mg	Milligram
min	Minute
ml	Millimeter
mm Hg	Millimeter mercury
n	Number
ND	Not determined
nf-kb	Nuclear factor-kappa B
NMRI	Nuclear magnetic resonance imaging
NO	Nitric oxide
NOS	Nitric oxide synthase
OCSs	Oral corticosteroids
PEF	Peak Expiratory flow
PMDI	Pressurized metered dose inhalers
SD	standard deviation
SLPI	Secretory leukocyte protease inhibitor
SR	Steroid resistant
SS	Steroid sensitive
ss-asthmatic	Steroid dependant