

بِسْمِ اللّٰهِ الرَّحْمٰنِ الرَّحِیْمِ





شبكة المعلومات الجامعية التوثيق الالكتروني والميكروفيلم



جامعة عين شمس

التوثيق الإلكتروني والميكروفيلم

قسم

نقسم بالله العظيم أن المادة التي تم توثيقها وتسجيلها
علي هذه الأقراص المدمجة قد أعدت دون أية تغييرات



يجب أن

تحفظ هذه الأقراص المدمجة بعيدا عن الغبار





بالرسالة صفحات لم ترد بالأصل





بعض الوثائق الأصلية تالفة



ASSOCIATION OF BETA ADENERGIC RECEPTOR GENE POLYMORPHISM WITH ASTHMA

Thesis

Submitted for partial fulfillment to MS.C. in chest disease

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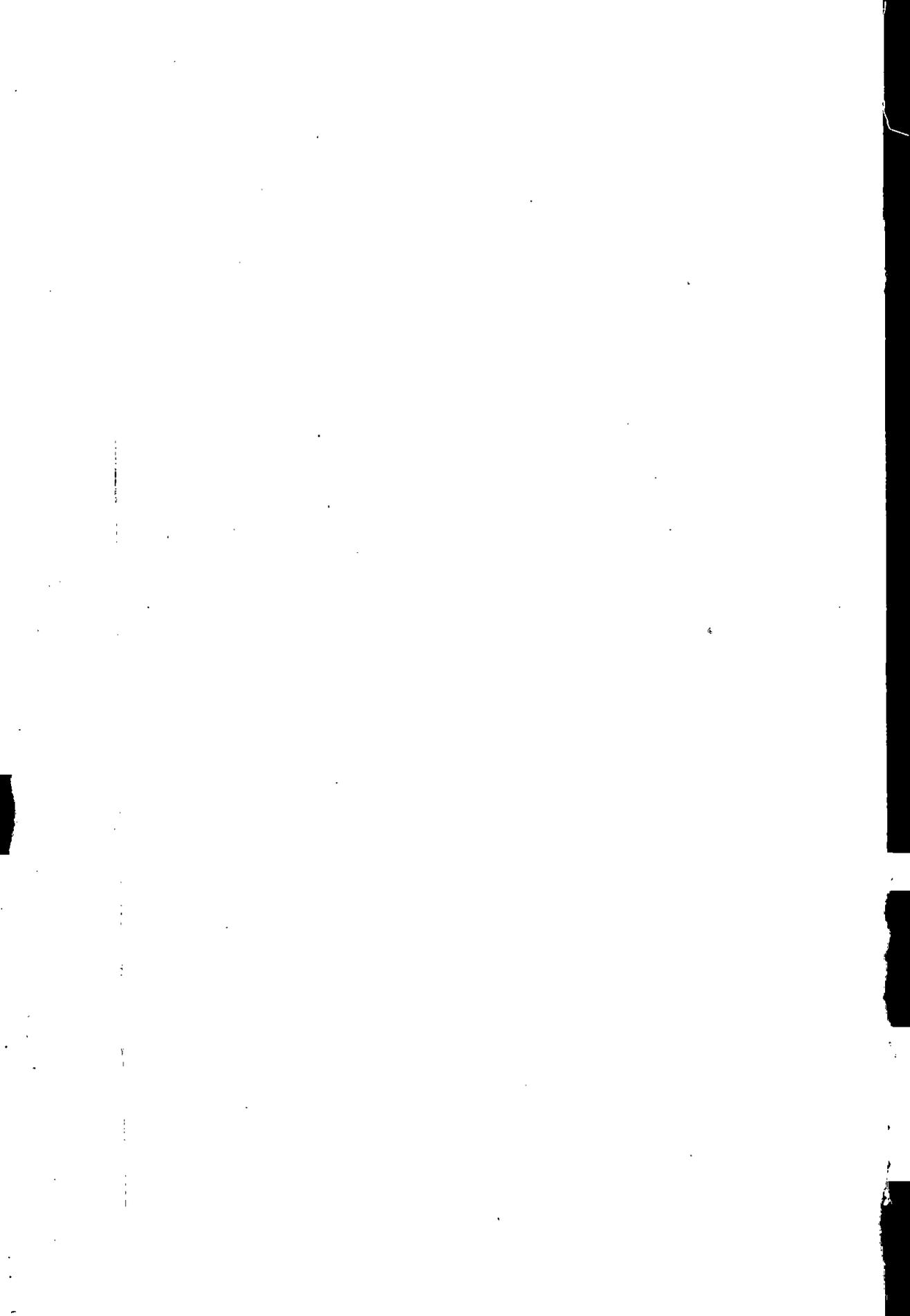
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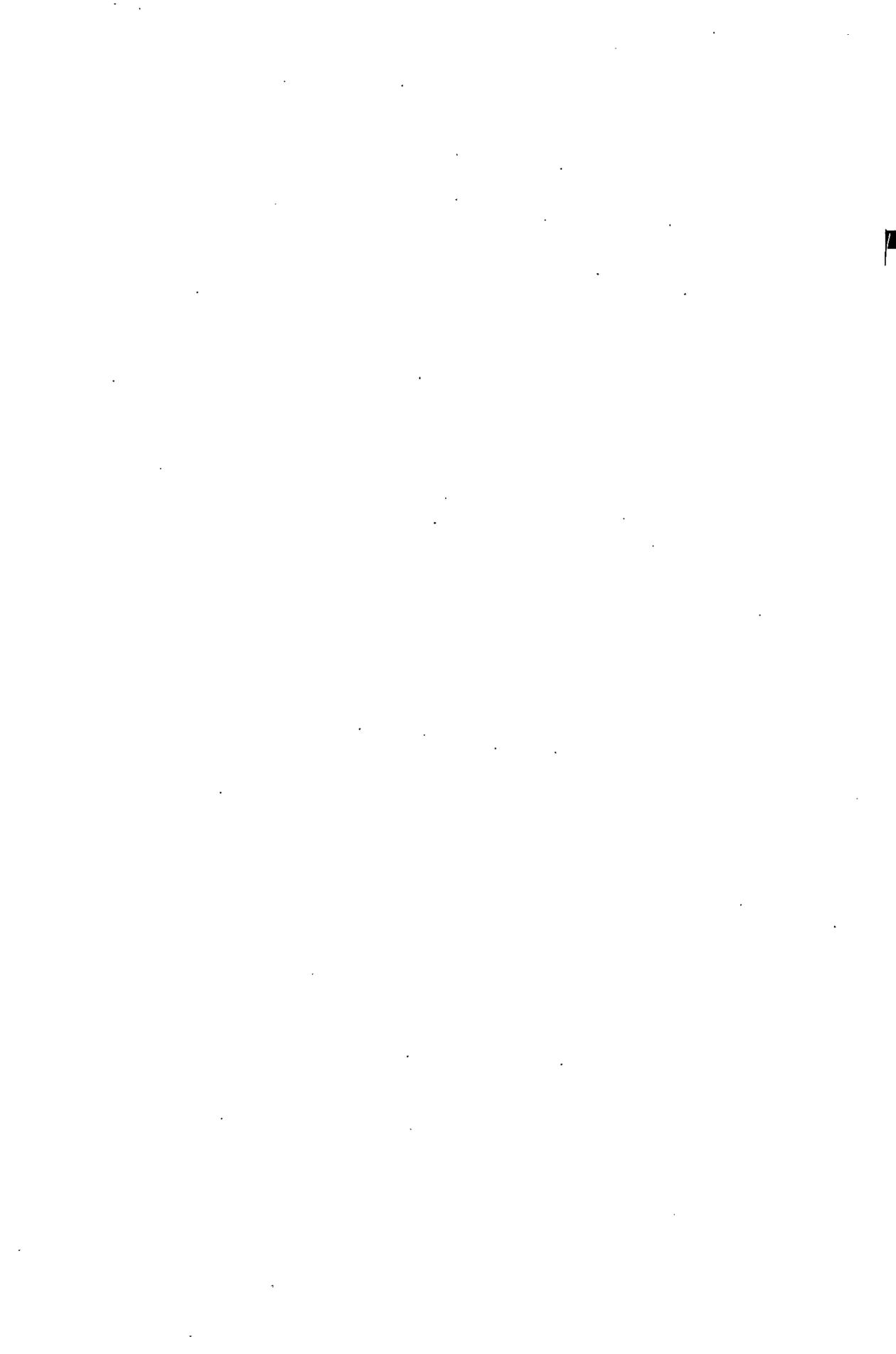
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LIST OF ABBREVIATIONS

AIDS	Acquired Immune Deficiency Syndrom
Arg	Arginine amino acid
B2AR	Beta2- Adrenergic Receptor
BAL	Bronchoalveolar Lavage
BHR	Bronchial Hyperresponsiveness
cAMP	Cyclic Adenosine Monophosphate.
CFTR	Cystic Fibrosis Transmembrane Conductance Regulator
COPD	Chronic Obstructive Pulmonary Disease
DNA	Deoxy – Ribo Nucleic Acid
EAR	Early Asthmatic Response
EIA	Exercise – Induced Asthma
FEF	Forced Expiratory Flow
FEVI	Forced Expiratory Volume in First second
FVC	Forced Vital Capacity
GLn	Glutamine amino acid
Glu	Glutamic acid
Gly	Glycine amino acid
HLA	Human Leukocytic Antigen
HRCT	High Resolution Computerized Tomography
IgE	Immunoglobulin E

IgG	Immunoglobulin G
IL4	Interleukin-4
LAR	Late Asthmatic Response
LOD	Logarithm of Odds ratio
MDI	Meter- Dose Inhaler
mRNA	Messenger Ribo Nucleic Acid
NO	Nitric Oxide
NSAIDs	Non Steroidal Anti-Inflammatory Drugs
PFT	Pulmonary Function Test
PKA	Protien Kinase A
RSV	Respiratory Syncytial Virus
SCID	Sever Combined Immunodeficiency
TNF	Tumor Necrosis Factor
UV	Ultraviolet

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