



شبكة المعلومات الجامعية

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ





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## التوثيق الالكتروني والميكرو فيلم

# جامعة عين شمس

التوثيق الالكتروني والميكرو فيلم

## قسم

نقسم بالله العظيم أن المادة التي تم توثيقها وتسجيلها  
علي هذه الأفلام قد اعدت دون أية تغيرات



## يجب أن

تحفظ هذه الأفلام بعيداً عن الغبار

في درجة حرارة من 15 – 20 مئوية ورطوبة نسبية من 20-40 %

To be kept away from dust in dry cool place of  
15 – 25c and relative humidity 20-40 %



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# بعض الوثائق الأصلية تالفة



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بالرسالة صفحات  
لم ترد بالأصل

# **Prevalence of Obesity in School Children and Its Link to Type 2 Diabetes Mellitus**

Thesis  
Submitted for Partial fulfilment of  
MD degree in **Pediatrics**

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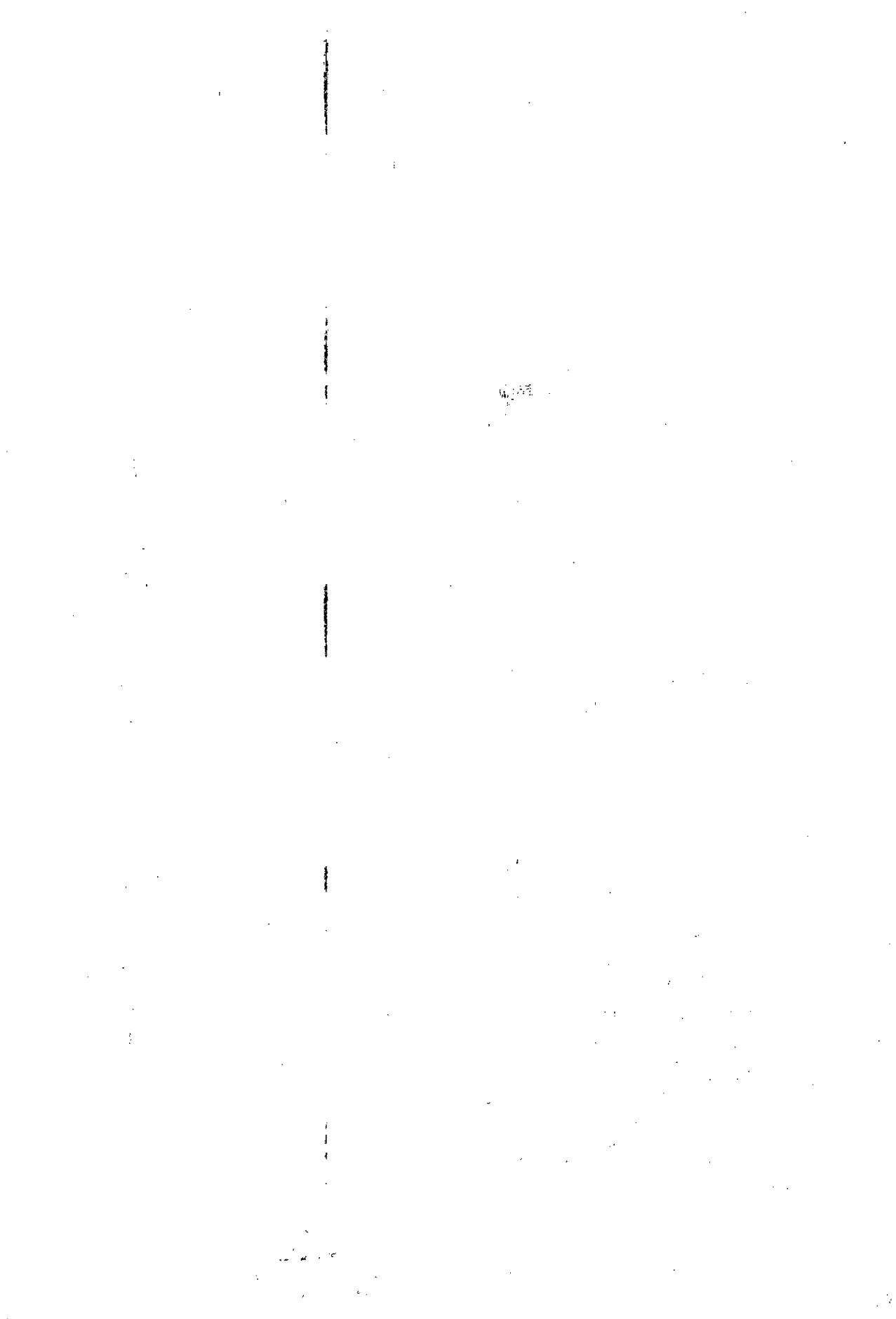
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## List of abbreviations

|                    |   |                                   |
|--------------------|---|-----------------------------------|
| A                  | : | Agouti <i>mic</i>                 |
| ABP                | : | Arterial blood pressure           |
| ACE                | : | Angiotensin converting enzyme     |
| AD                 | : | Autosomal dominant                |
| ADA                | : | American diabetes association     |
| AR                 | : | Autosomal recessive               |
| ATP                | : | Adenosine triphosphate            |
| ATLPL              | : | Adipose tissue lipoprotein lipase |
| BAT                | : | Brown adipose tissue              |
| BMI                | : | Body mass index                   |
| CCKs               | : | Cholecystokinin (Fat)             |
| Chloe              | : | Cholesterol                       |
| CHD                | : | Coronary heart disease            |
| CPE                | : | Carboxy peptidase E               |
| CT                 | : | Computed tomography               |
| CVD                | : | Cardiovascular disease            |
| db                 | : | Diabetes (leptin receptor)        |
| DKA                | : | Diabetic ketoacidosis             |
| DM                 | : | Diabetes mellitus                 |
| ESRD               | : | End stage renal disease           |
| FPG                | : | Fasting plasma glucose            |
| GAD                | : | glutamic acid decarboxylase       |
| GFR                | : | Glomerular filtration rate        |
| GH                 | : | Growth hormone                    |
| Glut <sub>4</sub>  | : | Glucose transporter               |
| GLA                | : | Gama linolenic acid               |
| GDM                | : | Gestational diabetes mellitus     |
| HbA <sub>1</sub> C | : | Glycated haemoglobin              |

## List of abbreviations (Cont.)

|                 |   |                                                     |
|-----------------|---|-----------------------------------------------------|
| HDL             | : | High density lipoprotein                            |
| HLA             | : | Human leucocyte antigen                             |
| HNF             | : | Hepatocyte nuclear factor                           |
| IAA             | : | Insulin autoantibodies                              |
| IA <sub>2</sub> | : | Tyrosine phosphatase autoantibodies                 |
| Ib              | : | Bound                                               |
| ICA             | : | Islet cell antibodies                               |
| IFG             | : | Impaired fasting glucose                            |
| IGF             | : | Insulin growth factor                               |
| IGF BP-1        | : | Insulin growth factor binding protein               |
| IGT             | : | Impaired glucose tolerance                          |
| Kg              | : | Kilogram                                            |
| Lap             | : | Long acting penicillin                              |
| Lep             | : | Leptin                                              |
| LDL             | : | Low density lipoprotein                             |
| m               | : | meter                                               |
| MNT             | : | Medical nutrition therapy                           |
| MODY            | : | Maturity Onset Diabetes of Young                    |
| MRI             | : | Magnetic resonance imaging                          |
| NEFA            | : | Non estrified fatty acids                           |
| NGF             | : | Nerve growth factor                                 |
| NHANES          | : | National health and nutrition examination<br>survey |
| NPY             | : | Neuropeptide Y                                      |
| Ob              | : | Obese (leptin)                                      |
| OBR             | : | Leptin receptor                                     |
| OGTT            | : | Oral glucose tolerance test                         |
| PAI             | : | Plasminogen activator inhibitor                     |