



شبكة المعلومات الجامعية

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ





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## التوثيق الالكتروني والميكرو فيلم

# جامعة عين شمس

التوثيق الالكتروني والميكرو فيلم

## قسم

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# بعض الوثائق الأصلية تالفة



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بالرسالة صفحات  
لم ترد بالأصل

# **Cyclin D1 in acute lymphoblastic leukemia**

*Thesis*

Submitted for partial fulfillment of M.D degree in  
clinical & chemical pathology

By:

**REEM ABDEL KHALEK KHATTAB**

M.B., B.Ch., M.Sc.

*Under Supervision of*

**Prof.Dr.Fadila Hassan Sabry**

Professor of clinical pathology

Faculty of medicine

Ain Shams university

**Prof.Dr.Hanaa Mohammed Afifi**

Assistant Professor of clinical pathology

Faculty of medicine

Ain Shams university

**Prof.Dr.Mohammed Amin Mekkawy**

Assistant Professor of clinical pathology

Faculty of medicine

Ain Shams university

**Prof.Dr.Lama Akram Al-Safadi**

Assistant Professor of clinical pathology

Faculty of medicine

Ain Shams university

Faculty of medicine

Ain Shams university

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100  
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102  
103

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# **LIST OF CONTENTS**

|                                                  |     |
|--------------------------------------------------|-----|
| • List of Abbreviations.                         |     |
| • List of Tables.                                |     |
| • List of Figures.                               |     |
| • Introduction & Aim of the work .....           | 1   |
| • Review of literature                           |     |
| <u>The cell cycle:</u> .....                     | 3   |
| phases of the cell cycle .....                   | 4   |
| regulation of the cell cycle .....               | 8   |
| cyclin D and the cell cycle .....                | 27  |
| <u>Acute lymphoblastic leukemia</u> .....        | 30  |
| - epidemiology .....                             | 31  |
| - clinical features .....                        | 32  |
| - diagnosis of ALL .....                         | 33  |
| - classification of ALL .....                    | 36  |
| - differential diagnosis of ALL .....            | 48  |
| - therapy of ALL .....                           | 50  |
| - course and prognosis .....                     | 52  |
| <u>Cell cycle abnormalities in ALL</u> .....     | 60  |
| - role of tumor suppressor genes .....           | 62  |
| - role of oncogenes .....                        | 65  |
| - disturbance in apoptosis .....                 | 71  |
| <u>Cyclin D1 as an oncogene</u> .....            | 73  |
| - cyclin D1 in non-hematopoietic neoplasms ..... | 78  |
| - cyclin D1 in hematopoietic neoplasms .....     | 80  |
| • Subjects and methods .....                     | 91  |
| • Results .....                                  | 107 |
| • Discussion .....                               | 143 |
| • Summary .....                                  | 152 |
| • Conclusions .....                              | 156 |
| • Recommendations .....                          | 157 |
| • References .....                               | 158 |
| • Arabic summary.                                |     |



## **LIST OF ABBREVIATIONS**

|            |                                     |
|------------|-------------------------------------|
| ABL.....   | Abelson tyrosine kinase gene        |
| ALL.....   | Acute lymphoblastic leukemia        |
| AML.....   | Acute myeloid leukemia              |
| ANLL.....  | Acute nonlymphoblastic leukemia     |
| AP.....    | Acid phosphatase                    |
| ATC.....   | Aggressive thyroid carcinoma        |
| ATP.....   | Adenosine triphosphate              |
| BCR.....   | Break point cluster region          |
| BM.....    | Bone marrow                         |
| CAK.....   | Cyclin activating kinase            |
| cALL.....  | Common acute lymphoblastic leukemia |
| CCR.....   | Continuous complete remission       |
| CD.....    | Cluster of differentiation          |
| CDK.....   | Cyclin dependent kinase             |
| cDNA.....  | Complementary deoxyribonucleic acid |
| cIg.....   | Cytoplasmic immunoglobulin          |
| CKIs.....  | Cyclin dependent kinase inhibitors  |
| CLL.....   | Chronic lymphocytic leukemia        |
| CML.....   | Chronic myeloid leukemia            |
| c-Myc..... | Cellular myelocytoma gene           |
| CNS.....   | Central nervous system              |
| CPC.....   | Conventional papillary carcinoma    |
| CR.....    | Complete remission                  |
| CSF.....   | Cerebrospinal fluid                 |
| del.....   | Deletion                            |
| dl.....    | Deciliter                           |
| DNA.....   | Deoxyribonucleic acid               |
| dNTPs..... | Deoxynucleotide triphosphates       |
| FAB.....   | French-American-British             |
| g.....     | Gram                                |
| G0.....    | Gap phase zero                      |
| G1.....    | Gap phase one                       |
| G2.....    | Gap phase two                       |

|              |                                         |
|--------------|-----------------------------------------|
| Hb.....      | Hemoglobin                              |
| HCL.....     | Hairy cell leukemia                     |
| HLA.....     | Human leucocyte antigen                 |
| HNSCC.....   | Head and neck squamous cell carcinoma   |
| HTLV-1.....  | Human T-cell lymphoma virus-1           |
| IgA.....     | Immunoglobulin A                        |
| IgG.....     | Immunoglobulin G                        |
| IgM.....     | Immunoglobulin M                        |
| I.V.....     | Intravenous                             |
| L.....       | Liter                                   |
| LDH.....     | Lactate dehydrogenase                   |
| LFS.....     | Leukemia free survival                  |
| MC-NHL.....  | Mantle-cell non Hodgkin lymphoma        |
| M-CSF.....   | Macrophage colony stimulating factor    |
| MDR.....     | Multi-drug resistance                   |
| MDS.....     | Myelodysplastic syndrome                |
| MIFC.....    | Malignant invasive follicular carcinoma |
| MLL.....     | Mixed lineage leukemia                  |
| mm.....      | millimeter                              |
| M-phase..... | Mitotic phase                           |
| MPEX.....    | Myeloperoxidase                         |
| MPF.....     | Maturation promoting factor             |
| mRNA.....    | Messenger ribonucleic acid              |
| MTS.....     | Multiple tumor suppressor               |
| NHL.....     | Non Hodgkin lymphoma                    |
| NK.....      | Natural killer cell                     |
| 5-NT.....    | 5-nucleotidase                          |
| p.....       | Short arm of chromosome                 |
| PAS.....     | Periodic acid Schiff                    |
| PCNA.....    | Proliferating nuclear antigen           |
| PCR.....     | Polymerase chain reaction               |
| PDGF.....    | Platelet derived growth factor          |
| Pgp.....     | P-glycoprotein                          |
| Ph.....      | Philadelphia chromosome                 |
| PLL.....     | Prolymphocytic leukemia                 |
| PRAD gene... | Parathyroid adenoma gene                |
| q.....       | Long arm of chromosome                  |
| Rb gene..... | Retinoblastoma gene                     |

|              |                                                 |
|--------------|-------------------------------------------------|
| R-point..... | Restriction point                               |
| RNA.....     | Ribonucleic acid                                |
| rRNA.....    | Ribosomal RNA                                   |
| RT-PCR.....  | Reverse-transcriptase polymerase chain reaction |
| SIg.....     | Surface immunoglobulin                          |
| S-phase..... | Synthetic-phase                                 |
| SPF.....     | S-phase promoting factor                        |
| t.....       | Translocation                                   |
| TAL.....     | T-cell acute leukemia gene                      |
| Taq.....     | Thermus aquaticus                               |
| TCR.....     | T-cell receptor                                 |
| Tdt.....     | Terminal deoxynucleotidyl transferase           |
| TEL.....     | Translocation ets-like leukemia gene            |
| TGF B.....   | Tumor growth factor B                           |
| TNF.....     | Tumor necrosis factor                           |
| Topo.....    | Topoisomerase                                   |
| tRNA.....    | Transfer RNA                                    |
| ul.....      | microliter                                      |
| WBC.....     | White blood cell                                |
| WHO.....     | World Health Organization                       |
| WT-1.....    | Wilms' tumor gene                               |

