

# **Prognostic Impact of CD58 Expression in Acute Lymphoblastic Leukemic Patients**

*Thesis*

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Clinical and Chemical Pathology*

*By*

**Sherine Mahmoud Ramadan**  
(M.B.B.Ch)  
*Ain Shams University*

*Supervised by*

**Professor/Manal Hashem Ahmed**

*Professor of Clinical and Chemical Pathology  
Faculty of Medicine-Ain Shams University*

**Professor / Dina Adel Fouad**

*Professor of Clinical and Chemical Pathology  
Faculty of Medicine-Ain Shams University*

**Doctor/Deena Mohamed Mohamed Habashy**

*Lecturer of Clinical and Chemical Pathology  
Faculty of Medicine-Ain Shams University*

**Faculty of Medicine  
Ain Shams University  
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# الأثر المنذر لظهور CD58 في مرضى سرطان

## الدم الليمفاوي الحاد

□ رسالة

توطئة للحصول على درجة الماجستير في الباثولوجيا الأكلينيكية و الكيميائية

مقدمة من

الطبيبة/ شيرين محمود رمضان  
بكالوريوس الطب والجراحة  
كلية الطب- جامعة عين شمس

□

تحت إشراف

**الأستاذ الدكتور / منال هاشم أحمد**

أستاذ الباثولوجيا الأكلينيكية و الكيميائية  
كلية الطب-جامعة عين شمس

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**الدكتور / دينا محمد محمد حبشى**

مدرس الباثولوجيا الأكلينيكية و الكيميائية  
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# **Introduction and Aim of the Work**

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# **Review of Literature**

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# **Patients and Methods**

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# Results

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# Discussion

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# Summary and Conclusion

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# Recommendations

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# References

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# Arabic Summary

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First great thanks to **"Allah"** who gave me the power to complete this work. Without his care, nothing could be achieved.

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*Sherine Mahmoud Ramadan*



بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

قالوا

سبحانك لا علم لنا  
إلا ما علمتنا إنك أنت  
العليم العليم

صدق الله العظيم

سورة البقرة الآية: ٣٢

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## List of Abbreviations

ALL	Acute lymphoblastic leukemia
AML	Acute myeloid leukemia
AP-1	Activator Protein 1
APC	Antigen Presenting Cell
ATL	Adult T cell leukemia
BCP	B cell precursor
BCP-ALL	B cell precursor acute lymphoblastic leukemia
CALLA	Common ALL antigen
CLL	Chronic lymphocytic leukemia
CNS	Central nervous system
DS	Down Syndrome
FAB	French-American-British
FISH	Fluorescence In Situ Hybridization
FITC	Fluorescein Isothiocyanate
FSC	Forward scatter
GPI	Glycosyl phosphatidyl inositol
HAM	HTLV-1 associated myelopathy
Hb	Hemoglobin
HBV	Hepatitis B virus