الآيـة

بسم الله الرحمن الرحيم

قال تعالي

{اللَّهُ نُورُ السَّمَاوَاتِ وَالأَرْضِ مَثَلُ نُورِهِ كَمِشْكَاةٍ فِيهَا مِصْبَاحٌ
الْمِصْبَاحُ فِي زُجَاجَةٍ الزُّجَاجَةُ كَأَنَّهَا كَوْكَبٌ دُرِّيٌّ يُوقَدُ مِن شَجَرَةٍ
مُّبَارَكَةٍ زَيْتُونَةٍ لاَّ شَرْقِيَّةٍ وَلاَ غَرْبِيَّةٍ يَكَادُ زَيْتُهَا يُضِيءُ وَلَوْ لَمْ
تَمْسَسْهُ نَارٌ نُّورٌ عَلَى نُورٍ يَهْدِي اللَّهُ لِنُورِهِ مَن يَشَاءُ وَيَضْرِبُ اللَّهُ
الأَمْثَالَ لِلنَّاسِ وَاللَّهُ بِكُلِّ شَيْءٍ عَلِيمٌ}

صدق الله العظيم

سورة النور

الاية 35

Dedication

To our parents who gave us strength and cover us with love and support.

To our dears all members of our families who spend more time to encourage us.

To our teachers, friend and colleagues who were an integral part of our support group.

We dedicate this work.

Shaimaa

Tasneem

Rwayda

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Our grateful thanks for Allah who guided us to the straight way in our lifes.

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Abstract

Analytical descriptive cross sectional was conducted to study the frequency of ABO and Rh (D) blood groups on diabetic patients in the period from November 2013 to June 2014.

500 sample were collected from diabetic patients in Khartoum state, all samples were collected into (2.5 ml) EDTA anticoagulant, then tested for ABO and Rh Ag, the result were analyzed using (SPSS) computerized program.

We found that the O blood group is the most frequent (202) (40.4%), followed by A (160) (32%), B (111) (22.2%) and then AB (27) (5.4%).

The majority of patients are positive for Rh (D) (96.4%).

مستخلص البحث

أجريت هذه الدراسه التحليليه الوصفيه المقطعيه لإيجاد تردد الزمر الوظيفيه ABO والعامل الريصي في المرضى السودانيين المصابين بداء السكر في الفتره من نوفمبر 2013إلى يونيو2014.

لقد تم جمع500 عينه من مرضى السكرفي مانع تجلط مناسب (EDTA) سعة 2.5 مل.

فحصت العينات للزمر الوظيفيه ABO والعامل الريصي ثم حللت بإستخدام نظام التحليل الإحصائي وكانت النتائج على النحو التالي:

الزمره الوظيفيه (O),(202) (40.4%)اكثر ترددا", تليها الزمره الوظيفيه (A)(160) (32%) ومن ثم (B) (111) (22.2%) وأخيرا" (AB) (27) (5.4%).

ووجد أن معظم المرضى موجبي العامل الريصي (96.4%).

Contents

No	Title	Page
الآيه		I
Dedication		II
Acknowledgement		III
Abstract		IV
الخلاصه		V
List of content		VI
List of tables		VIII
List of abbreviations		IX
Chapter one: Introduction and literature Review		
1.1	General Introduction	1
1.2	Literature review	2
1.2.1	Historical perspective of the ABO blood group system	2
1.2.2	ABO and H system antigens	3
1.2.2.1	ABO antigens	3
1.2.2.2	Inheritance of A, B, and H Antigens	3
1.2.2.3	Biochemical and structural development of A, B, and H antigens	4
1.2.2.4	Development of H antigen	5
1.2.2.5	Development of A and B antigens	5
1.2.2.6	Secretor status	6
1.2.2.7	A and B Subgroups	6
1.2.2.8	ABO antibodies	6
1.2.2.9	Immunoglobulin class	8
1.2.2.10	Clinical significance of ABO antibodies	8
1.2.3	Rh blood group system	9
1.2.3.1	Introduction and historical back ground	9
1.2.3.2	Rh antigens	9
1.2.3.2.1	D antigen	9
1.2.3.2.2	D variant	10
1.2.3.2.2.1	Weak D	10
1.2.3.2.2.2	Partial D	10
1.2.3.3	Rh antibody	10
1.2.4	Diabetes mellitus (DM)	11
1.2.4.1	Classification of diabetes mellitus	11

1.2.4.1.1	Type one diabetes	11
1.2.4.1.2	Type two diabetes	11
1.2.4.1.3	Other specific types of diabetes	12
1.2.4.1.4	Gestational diabetes mellitus (GDM)	12
1.2.4.2	Pathophysiology of DM	12
1.2.4.3	Clinical feature	12
1.2.4.4	Complication of diabetes mellitus	12
1.2.4.4.1	Acute metabolic complication of diabetes mellitus:	12
1.2.4.4.2	long term effect of diabetes Miletus:	13
1.2.5	Previous study	14
	Rational	15
	Objectives	16
Chapter two: materials & methods		
2.1	Study design	17
2.2	Study area	17
2.3	Study population and sample size	17
2.4	Ethical consideration	17
2.5	Inclusion criteria	17
2.6	Exclusion criteria	17
2.7	Statistical analysis	17
2.8	Sampling	17
2.9	Principle	17
2.10	Requirement	17
2.11	Procedure	18
Chapter three: Results		
	Results	19
Chapter four: Discussion, Conclusion and Recommendations		
4.1	Discussion	22
4.2	Conclusion	23
4.3	Recommendations	24
References		
References		25
Appendices		

List of tables

No	Title	Page No
1.1	Summary of ABO gene combination and phenotype	4
1.2	Summary of transferase enzymes for ABH antigen production	5
1.3	Antigens and antibodies of ABO blood group	7
3.1	Frequency of ABO BGs	19
3.2	Frequency of ABO and ABO subgroup with Rh BGS	22
3.3	Frequency of Rh(D)	26

List of Abbreviations

Abbreviations	Full text
Ab	Antibody
Ag	Antigen
BGS	Blood Group System
DKA	Diabetes Keto Acidosis
DM	Diabetes Mellitus
EDTA	Ethylene Diamine Tetra Acetic acid
GDM	Gestational Diabetes Mellitus
HDFN	Hemolytic Disease of Fetus and Newborn
HTR	Hemolytic Transfusion Reaction
IDDM	Insulin Dependent Diabetes Mellitus
NIDDM	Non Insulin Dependent Diabetes Mellitus
Rh	Rhesus
SPSS	Statistical Package of Social Science