



بسم الله الرحمن الرحيم

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Relation between ABO blood group typing and COVID-19 infection

Thesis

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بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

قَالَ

سَبَّحَانَكَ لَا إِلَهَ إِلَّا مَا عَلَّمْتَنَا إِنَّكَ أَنْتَ
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List of Abbreviations

Abb.	Full term
ACE2	Angiotensin-converting enzyme 2
ACS.....	Acute chest syndrome
AIDS	Acquired immunodeficiency syndrome
ALC.....	Absolute lymphocytic count
ALT.....	Alanine transaminase ANC Absolute Neutrophil count
APTT	Activated partial thromboplastin time
ARDS	Acute respiratory distress syndrome
AST	Aspartate transaminase
BTI.....	β -thalassemia intermedia
CAD	Coronary artery disease
CBC	Complete blood count
CBC-Diff.....	Complete blood count with differential
CCD	Charged Coupled Device
CDC	Centers for Disease Control and Prevention
CHD.....	Chronic heart disease
CMV.....	Cytomegalo virus
CoV	Coronavirus
COVID-19.....	Coronavirus disease of 2019
CRP.....	C-reactive protein
CT	Computerized tomography
DAT	Direct antiglobulin test
DIC	Disseminated intravascular coagulation
DNA.....	Deoxyribonucleic acid
DNI.....	Delta Neutrophil index
EDTA K3	Ethylenediaminetetraacetic acid tripotassium
ESR.....	Erythrocyte sedimentation rate
FAM.....	Fluorescein amidites

List of Abbreviations Cont...

Abb.	Full term
G-CSF	Granulocyte-colony stimulating factor
GDM	Gestational Diabetes Mellitus
H. pylori.....	Helicobacter pylori
Hb	Hemoglobin
HBV	Hepatitis B virus
HCC	Hepatocellular carcinoma
HCV	Hepatitis C virus
HDFN	Hemolytic disease of fetus and newborn
HE.....	Hemagglutinin esterase
HIV	Human immunodeficiency virus
Hs-CRP	High sensitive c-reactive protein
IC	Internal control
ICAM-1	Intercellular adhesion molecule
ICU	Intensive care unit
IgG	Immunoglobulin- γ
IgM	Immunoglobulin M
IL-6	Interleukin 6
IQR	Inter-quartile range
ISBT	International Society for Blood Transfusion
LCR.....	Lymphocyte-to-C-reactive protein ratio
LDH	Lactate dehydrogenase
MCP1	Monocyte chemo-attractant protein 1
MDW	Monocyte distribution width
MERS	Middle East respiratory syndrome
MI	Myocardial infarction
MIP	Macrophage inflammatory protein
MIS-C	Multisystem inflammatory syndrome in children

List of Abbreviations Cont...

Abb.	Full term
M-PVA.....	Magnetic Beads Based on Polyvinyl Alcohol
NLR	Neutrophil-to-lymphocyte ratio
NPV	Negative predictive value
PBF.....	Peripheral smear film
PCR.....	Polymerase chain reaction
PE	Pulmonary thromboembolism
PPE.....	Personal protective equipment
PT	Prothrombin time
QoL	Quality of life
RBC	Red blood cell
Rh	Rhesus
RNA	Ribonucleic acid
ROX	6-carboxy-X-rhodamine
RT-PCR.....	Reverse transcriptase polymerase chain reaction
SARS-CoV-2	Severe acute respiratory syndrome coronavirus 2
SCD.....	Sickle cell disease
SOFA	Sequential organ failure assessment
SPRCA.....	Solid phase red cell adherence
SPSS	Statistical Package for Social Science
TIF.....	Thalassaemia International Federation
TLC.....	Total leucocytic count
TNF	Tumor necrosis factor
TTIs	Transfusion-transmitted infections
VWF.....	von Willebrand factor
WBCs.....	White blood cells
WHO	World Health Organization

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