

FLOW CYTOMETRIC EVALUATION OF PLATELETS

ESSAY



Submitted in partial fulfilment for the Master Degree
in Clinical and chemical Pathology

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بسم الله الرحمن الرحيم

**اقرأ باسم ربك الذي خلق * خلق الانسان من علق *
اقرأ وربك الأكرم * الذي علم بالقلم * علم الانسان ما
لم يعلم ***

صدق الله العظيم

*** سورة العلق الآية ١-٥ ***

To My Father

ACKNOWLEDGMENT

First of all , thanks to God.

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the 1990s, the number of people in the UK who are employed in the public sector has increased by 1.5 million, from 2.5 million in 1980 to 4 million in 1995. The public sector has become a major employer in the UK, and its growth has been a major factor in the overall growth of the economy.

The public sector has also become a major provider of social services, and its growth has been a major factor in the overall growth of the economy. The public sector has become a major provider of social services, and its growth has been a major factor in the overall growth of the economy. The public sector has become a major provider of social services, and its growth has been a major factor in the overall growth of the economy.

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LIST OF ABBRIVATIONS

α / β	: Alpha / Beta
γ / δ	: Gamma / Delta
ADP	: Adenosine Diphosphate
AMP	: Adenosine menophosphate
APC	: Allophcyocyanin
BSS	: Bernard Soulier Syndrane
c	: Complement
Ca	: Calcium
CD	: Cluster of Differentiation
cv	: Coefficient of variation
CY	: Cychrome
DNA	: Deoxyribonuleic acid
δ SPD	: Dense granule storage pool deficiency
FALS	: Forward angle light scatter sensor
Fc	: Fragment Crystalizable
FCM	: Flow cytometry
FcR II	: Fc Receptor II
FEU	: Fluorescent equivalent units
FITC	: Fluorescent Isothiocytionate
FMAT	: Fetomaternal alloimmune thrombocytopenia
FS	: Forward scatter
FWHF	: Full width at half maximum
GMP-140	: Granule membrane protein 140
GP	: Glycoprotein
HeCd	: Helium - Cadmium
HeNe	: Helium - Neon
HIV	: Human immunodeficiency virus
HLA	: Human leucocytic antigen
HPA	: Human platelet antigen
Ig	: immunoglobulin

ITP	: immune thrombocytopenia
LECAM	: leucocyte endothelial cell adhesion molecule
mAb	: monoclonal antibody
PADGEM	: Platelet activation dependent granule external membrane protein
PAIg	: Platelet associated immunoglobulin
PBs	: Phosphate buffered saline
PE	: Phycoerythrin
PGI₂	: Prostaglandin - prostacyclin
PMN	: Polymorphnuclear leucocyte
PMT	: Photomultiplier tube
PRP	: Platelet rich plasma
RNA	: Ribonucleic acid
s	: Standard deviation
UV	: Ultra violet
vWF	: von Willebrand factor
x	: mean
YAG	: yttrium, Aluminum, garnet



Introduction & Aim of Work



