شبكة المعلومات الجامعية

بسم الله الرحمن الرحيم

شبكة المعلومـــات الجامعية

التوثيق الالكتروني والميكروفيلم

شبكة المعلومات الجامعية

جامعة عين شمس

التوثيق الالكتروني والميكروفيلم

﴿ قـسـم ﴾

نقسم بالله العظيم أن المادة التي تم توثيقها وتسجيلها
علي هذه الأفلام قد اعدت دون آية تغيرات

يجب أن

تحفظ هذه الأفلام بعيداً عن الغبار

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To be kept away from dust in dry cool place of
15 – 25c and relative humidity 20-40 %

بعض الوثائق الأصلية تالفة

بالرسالة صفحات

لم ترد بالأصـــل

EFFECTS OF CARDIOPULMONARY BYPASS (CPB) ON LYMPHOCYTES AND THEIR SUBSET COUNTS WITH OR WITHOUT THE USE OF AUTOTRANSFUSION DEVICES "CELL SAVER"

Thesis

Submitted for Partial fulfillment for
Master Degree in Anaesthesia.

By
Hamed Mohamed Sherif Hamed El-Gendy
(M.B., B.Ch)

Supervised By

Prof. Dr.
Fatma Gad El-Rab El-Said Askar
Professor of anaesthesia and Intensive Care
Faculty of Medicine
Assiut University

Prof. Dr.
Mohamed Youssef El-kabsh
Professor of Clinical Pathology,
Faculty Medicine
Assiut University

Dr.
Mohamed Sayed Mohamed Mostafa
Assistant Professor of Anaesthesia and Intensive Care
Faculty of Medicine
Assiut University

Assiut University
Faculty of Medicine
Department of Anaesthesia
and Intensive Care

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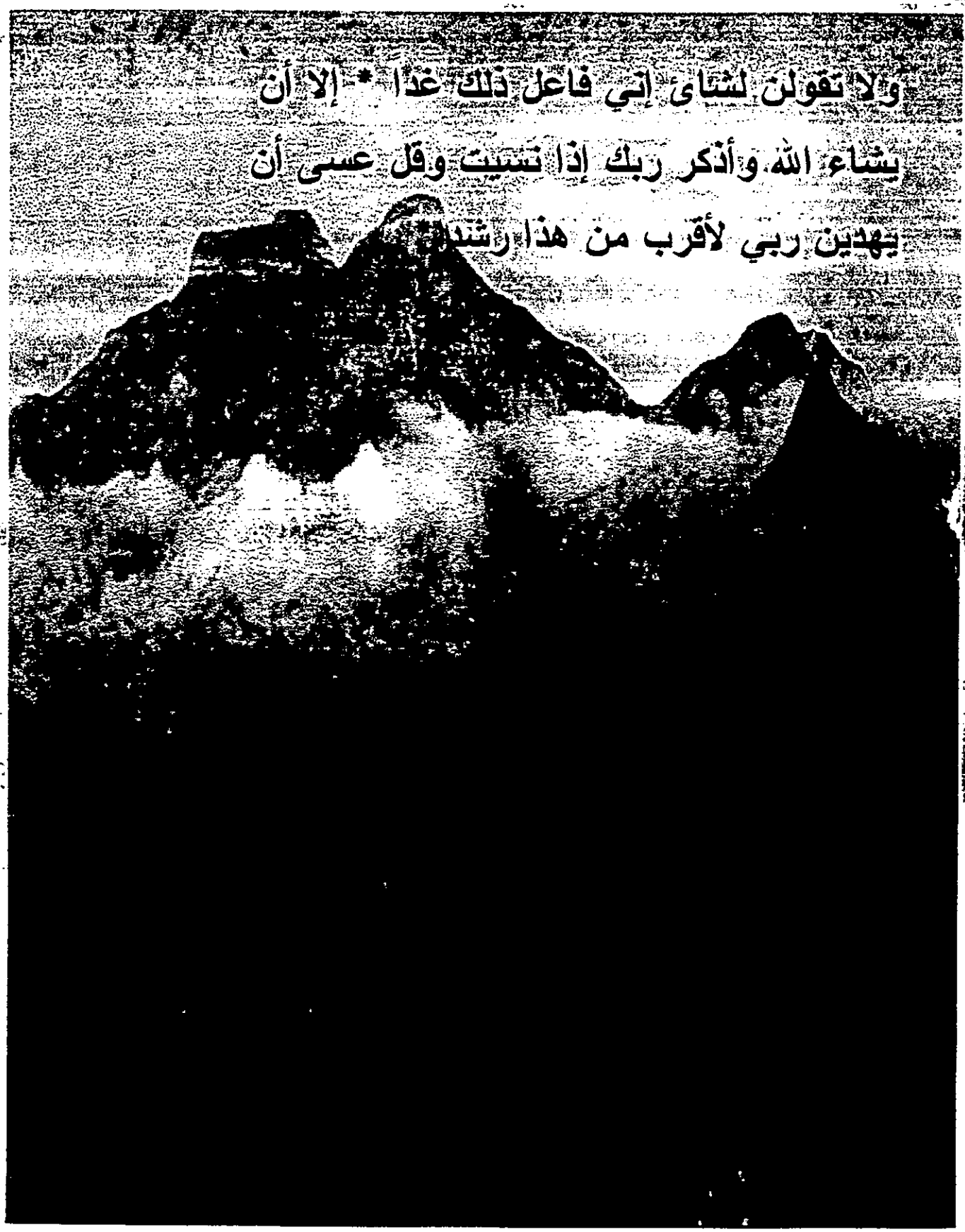
ولا تقولن لشاىء إني فاعل ذلك غدا * إلا أن
يشاء الله واذكر ربك إذا نسيت وقل عسى أن
يهدين ربي لأقرب من هذا رشدا

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Hamed Mohamed Sherif El-Gendy

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To the Spirit of my Father
My Family
&
My Fiancee

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LIST OF ABBREVIATIONS

1	CPB =	Cardiopulmonary bypass
2	NK =	Natural killer
3	$CD_4 = T_4 =$	Helper/Inducer T-cells
4	$CD_8 = T_8 =$	Cytotoxic/suppressor T-cells
5	APCs =	Antigen presenting cells
6	T-cells =	Thymus derived cells
7	B-cells =	Bone-marrow derived cells
8	CD_2	T-cell subset
9	CD_3	T-cell subset
10	CTLs =	Cytotoxic T lymphocytes
11	PTKs =	Protein tyrosine kinases
12	TCR =	T cell Receptor
13	CD16 =	T cell subset
14	CD56 =	T cell subset
15	MHC =	Major histocompatibility complex
16	IFN =	Interferon gamma
17	TNFα =	Tumour necrosis factor alpha
18	TH1 =	T Helper 1 cells
19	TH2 =	T Helper 2 cells
20	TC =	T cytotoxic
21	IL-1β =	Interleukin-1 beta
22	IL-6 =	Interlukin-6
23	IL-8 =	Interleukin-8
24	IL-10 =	Interleukin-10
25	TNF-BP-1=	Tumour necrosis factor–binding protein-1
26	BAL =	Branchoalveolar lavage
27	ARDs =	Adult Respiratory-Distress syndrome
28	PHA =	Phytohaemagglutinin

29	Con A =	Concanavalin
30	PWM =	Poke-weed mitogen
31	Factor XII =	Hageman factor
32	HMWK =	High molecular weight-kininogen
33	C1 =	Complement 1
34	C5a =	Complement 5a
35	C3a =	Complement 3a
36	TNFβ =	Tumour necrosis factor beta
37	LTB4 =	Leukotriene B4
38	LTC4 =	Leukotriene C4
39	LTD4 =	Leukotriene D4
40	LTE4 =	Leukotriene E4
41	GMP-140 =	Granule membrane protein of M.W. 140,000 Daltons.
42	ELAM-1	Endothelial leukocyte-adhesion molecule-1.
43	ICAM-1 =	Intercellular adhesion molecule-1
44	ICAM-2 =	Intercellular adhesion molecule-2
45	MEL-14/LAM-1 =	A leukocyte receptor.
46	Arg-gly-Asp. =	Arginine-glycine-Aspirgine.
47	LFA-1 =	Lymphocyte function-associated antigen-1
48	PGE2 =	Prostaglandins E2
49	Jehovah's witnessess =	A group of Jews refuses blood transfusion.
50	C3e =	Complement 3e
51	GPIb =	Glycoprotein Ib on platelets.
52	CD45RA =	Naïve resting T-lymphocytes
53	CD14 =	Membranous proteins on certain monocytes.
54	sCD14 =	Soluble CD14
55	mCD14 =	Membranous CD14

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