

شبكة المعلومات الجامعية







شبكة المعلومات الجامعية التوثيق الالكتروني والميكروفيلم



شبكة المعلومات الجامعية

جامعة عين شمس

التوثيق الالكتروني والميكروفيلم

قسم

نقسم بالله العظيم أن المادة التي تم توثيقها وتسجيلها على هذه الأفلام قد أعدت دون أية تغيرات



يجب أن

تحفظ هذه الأفلام بعيدا عن الغبار في درجة حرارة من ١٥-٥٠ مئوية ورطوبة نسبية من ٢٠-٠٠% To be Kept away from Dust in Dry Cool place of 15-25- c and relative humidity 20-40%



بعض الوثائـــق الإصليــة تالفــة



بالرسالة صفحات لم ترد بالإصل

1001

PILOT STUDY TO SET UP A PROPOSAL PROTOCOL FOR UMBILICAL CORD BLOOD BANK

Thesis
Submitted for Partial Fulfillment of
Master Degree in Pediatrics.

By

Mona Farouk Mohamed Tolba

M.B.B.CH.

Under Supervision of

Prof. Dr. MOHSEN SALEH EL ALFY

Professor of Pediatrics Faculty of Medicine , Ain Shams Univ. White

Dr. HANAA MOHAMED AFIFI

Assistant Prof. Of Clinical pathology Faculty of Medicine, Ain Shams Univ.

Dr. EMAN MONIR SHERIF

Lecturer of Pediatrics Faculty of Medicine , Ain Shams Univ.

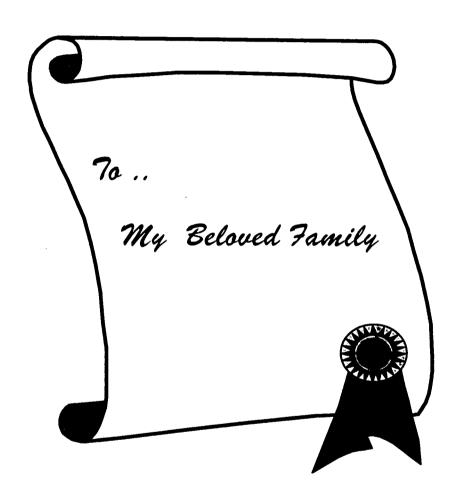
Acknowledgement

Before and above all, thanks to **ALLAH** to whom I always pray to bless my work.

I offer my deepest gratitude to *Prof. Dr. Mohsen* Saleh El Alfy, Professor of Pediatrics, Faculty of Medicine, Ain Shams University, for suggesting this interesting point of research, useful encouragement, consistent supervision, and valuable criticism.

I would like to pay a special gratitude to *Prof. Dr. Hanaa Afifi*, Assistant Professor of Clinical Pathology,
Faculty of Medicine, Ain- Shams University, for her precious
advice, effort afforded by her, and trustful help.

I am greatly indebted to *Dr. Eman Sherif*, Lecturer of Pediatrics, Faculty of Medicine, Ain Shams University, for her marvelous support, objective criticism, and valuable directions.



LIST OF TABLES

	Page
Table (1): Indications for stem cell transplantation	23
Table (2): PBSC mobilization data with chemotherapy	
regimens	25
Table (3): Comparison unrelated cultural immunity (T	
or mononuclear cells) isolated from cord blood	
versus adult peripheral blood	44
Table (4): Comparison between cord blood samples	
collected from newborns weighing 3 kg or less	
and those weighing more than 3 kg as regard	
total nucleated cells	61
Table (5): Comparison between cord blood samples	,,,,,
collected from newborns weighing 3 kg or less	
and those weighing more than 3 kg as regard	
CD34 +ve absolute.	61
Table (6): Comparison between samples with blood	0 1
volumes of 70 ml or less and those with	
volumes more than 70 ml as regard total	
nuclear cells.	62
Table (7): Comparison between samples with blood	02
volumes of 70 ml or less and those with	
volumes more than 70 ml as regard CD34 +ve	
absolute	62
ausorate	02
Table (8): Comparison between samples with positive	
versus negative blood culture for bacterial	
infection as regard total nuclear cells	
infection as regard total nuclear cens	03

LIST OF TABLES (Cont.)

		Page
Table (9): Comparison between samples with positive versus negative blood culture for bacterial infection as regard CD 34 +ve absolute	63
Table	(10): Comparison between cord blood with positive versus negative hepatitis B virus as regard TNC.	64
Table	(11): Comparison between cord blood with positive versus negative hepatitis B virus as regard MNC's absolute	
Table	(12): Comparison between cord blood with positive versus negative hepatitis B virus as regard CD34 +ve absolute	
Table	(13): Comparison between cord blood with positive versus negative hepatitis B virus as regard cord blood volume.	

LIST OF FIGURES

		Page
Fig.	(1): Mean percentage CD34+ cells in CB, NPB, CPB (P<0.001)	66
Fig.	(2): Comparison of the means of different cell	
	components between newborns with positive versus negative blood culture for bacterial	
	growth	67
Fig.	(3): Comparison of the means of different cell components in cord blood samples between newborns weighing 3 kg or less versus those	
Fig.	who weigh more than 3 kg	68
	components between cord blood samples with blood volume of 70 ml or less versus those with	
Fig.	volumes of more than 70 ml	69
	positive versus negative for HBsAg	70
Fig.	(6): Correlation between TLC and CD34+% in 23	
	CB samples	71
Fig.	(7): Correlation between birth weight and CD34 in	
	23 CB samples	72