

سامية محمد مصطفى



شبكة المعلومات الجامعية

# بسم الله الرحمن الرحيم



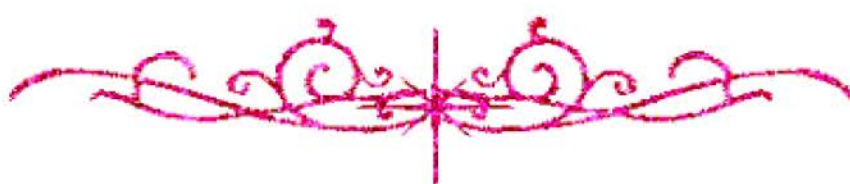
سامية محمد مصطفى



شبكة المعلومات الجامعية



# شبكة المعلومات الجامعية التوثيق الالكتروني والميكروفيلم





سامية محمد مصطفى



شبكة المعلومات الجامعية

# جامعة عين شمس

التوثيق الإلكتروني والميكروفيلم

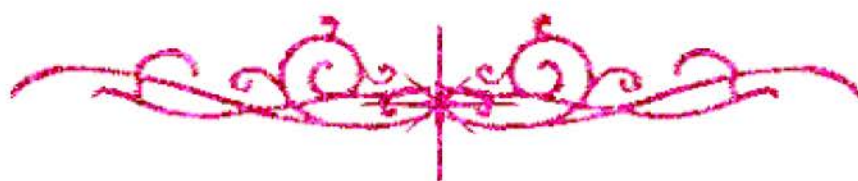
## قسم

نقسم بالله العظيم أن المادة التي تم توثيقها وتسجيلها  
علي هذه الأقراص المدمجة قد أعدت دون أية تغيرات



## يجب أن

تحفظ هذه الأقراص المدمجة بعيدا عن الغبار



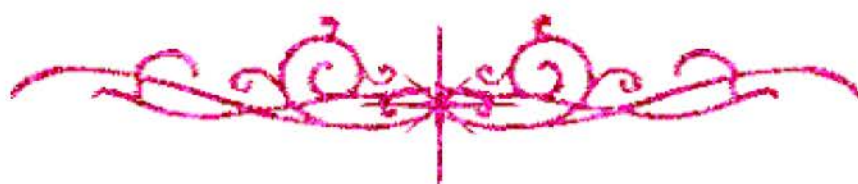
سامية محمد مصطفى



شبكة المعلومات الجامعية



# بعض الوثائق الأصلية تالفة





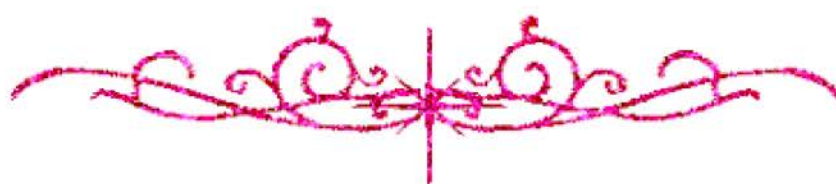
سامية محمد مصطفى



شبكة المعلومات الجامعية



بالرسالة صفحات  
لم ترد بالأصل



# **Neutrophil CD11b Expression as a Marker for Early Diagnosis of Neonatal Sepsis**

## **A Thesis**

Submitted for Partial Fulfillment of the Master Degree in Pediatrics

**Presented by**  
**Ola Seleem Mohamed**

*Supervised by*

**Prof. Dr. Mohamed Mohamed Farid**

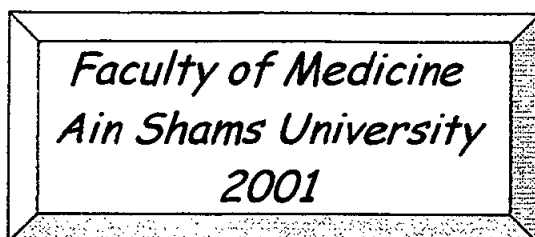
*Professor of Pediatrics  
Faculty of Medicine - Ain Shams University*

**Ass. Prof. Dr. Mohamed Ashraf Abd El Wahed**

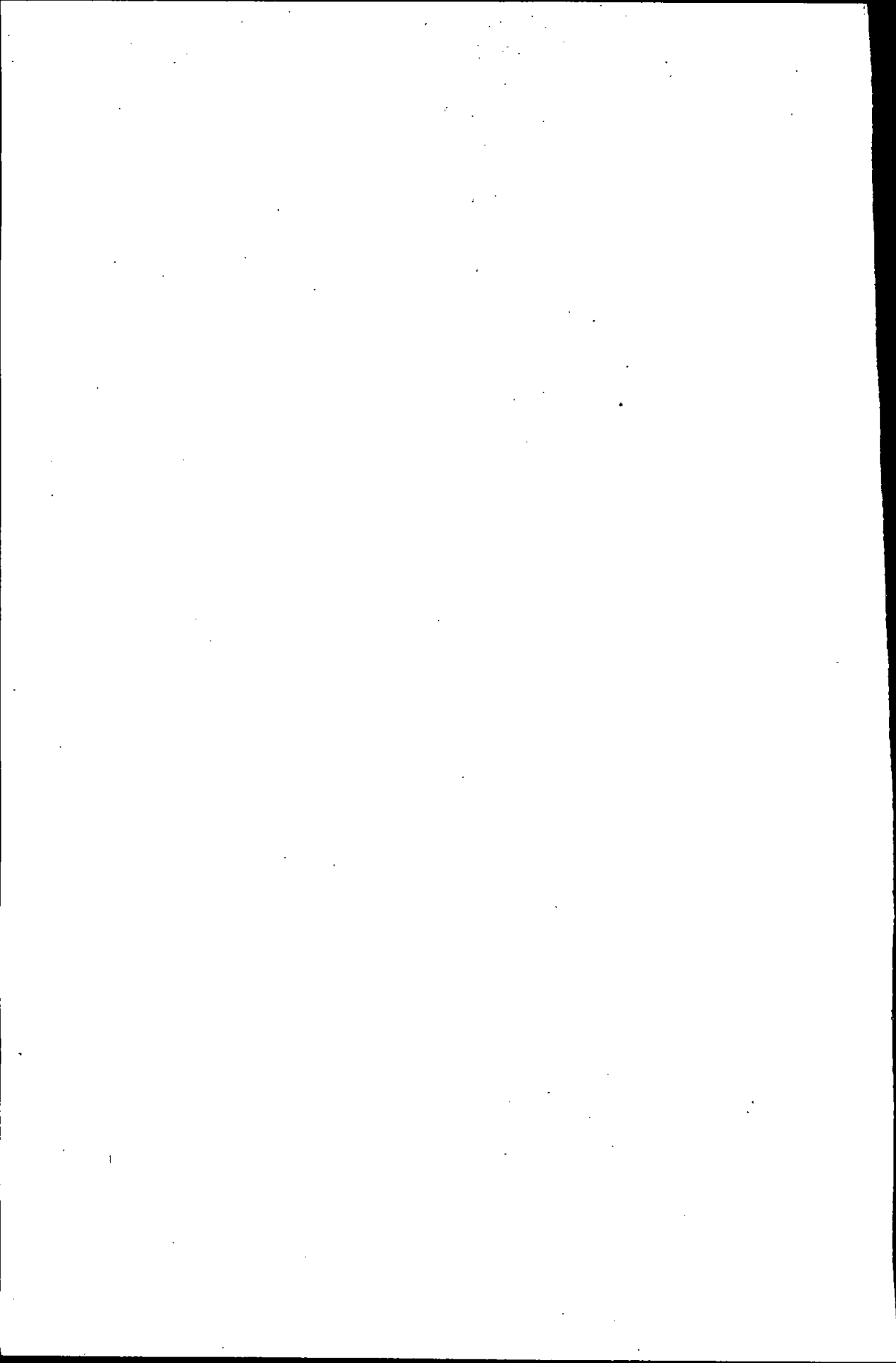
*Assistant Professor of Pediatrics  
Faculty of Medicine - Ain Shams University*

**Ass. Prof. Dr. Tahany Ali El Kerdany**

*Assistant Professor of Clinical Pathology  
Faculty of Medicine - Ain Shams University*



B  
12111



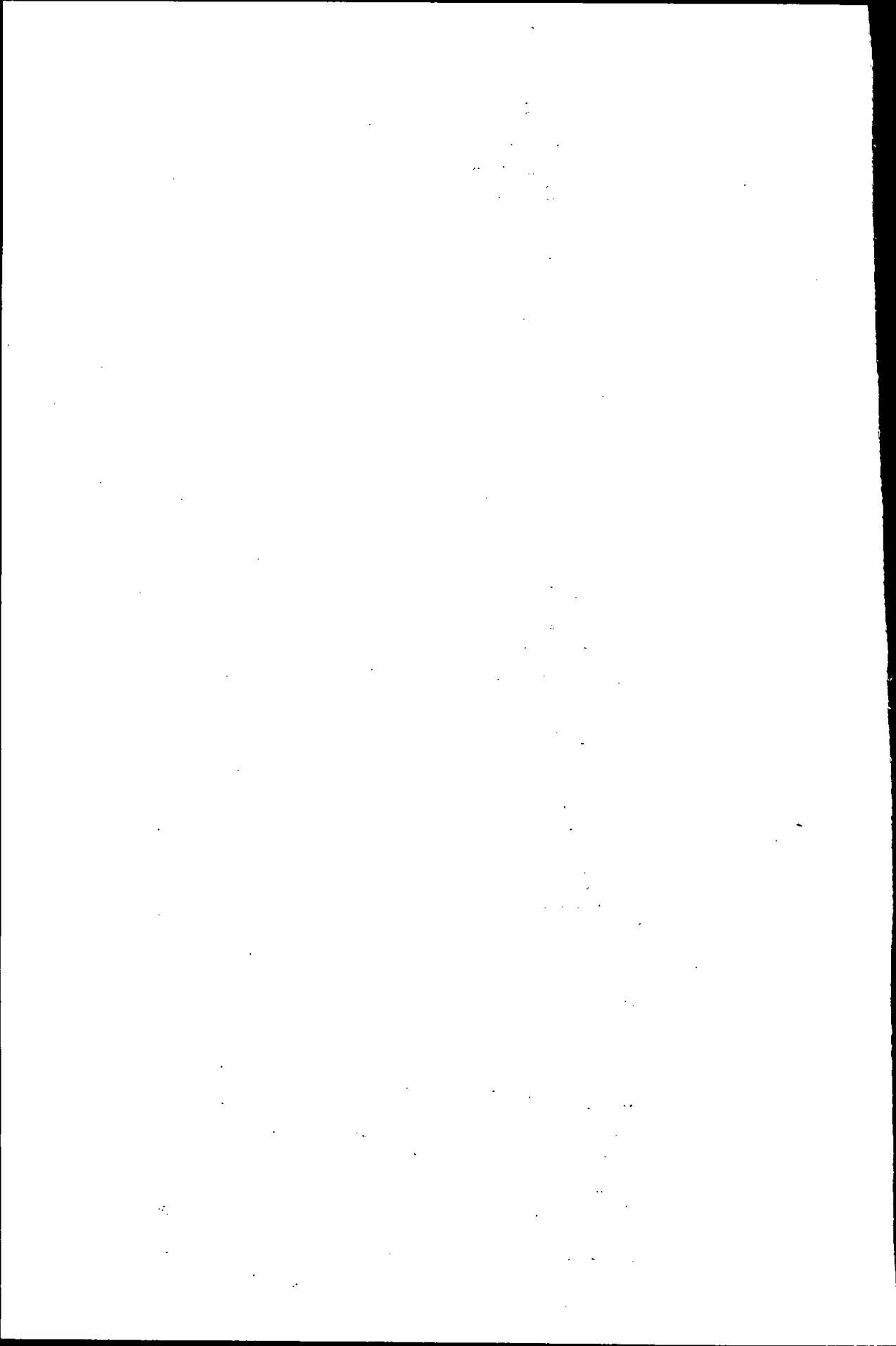
# **List of contents**





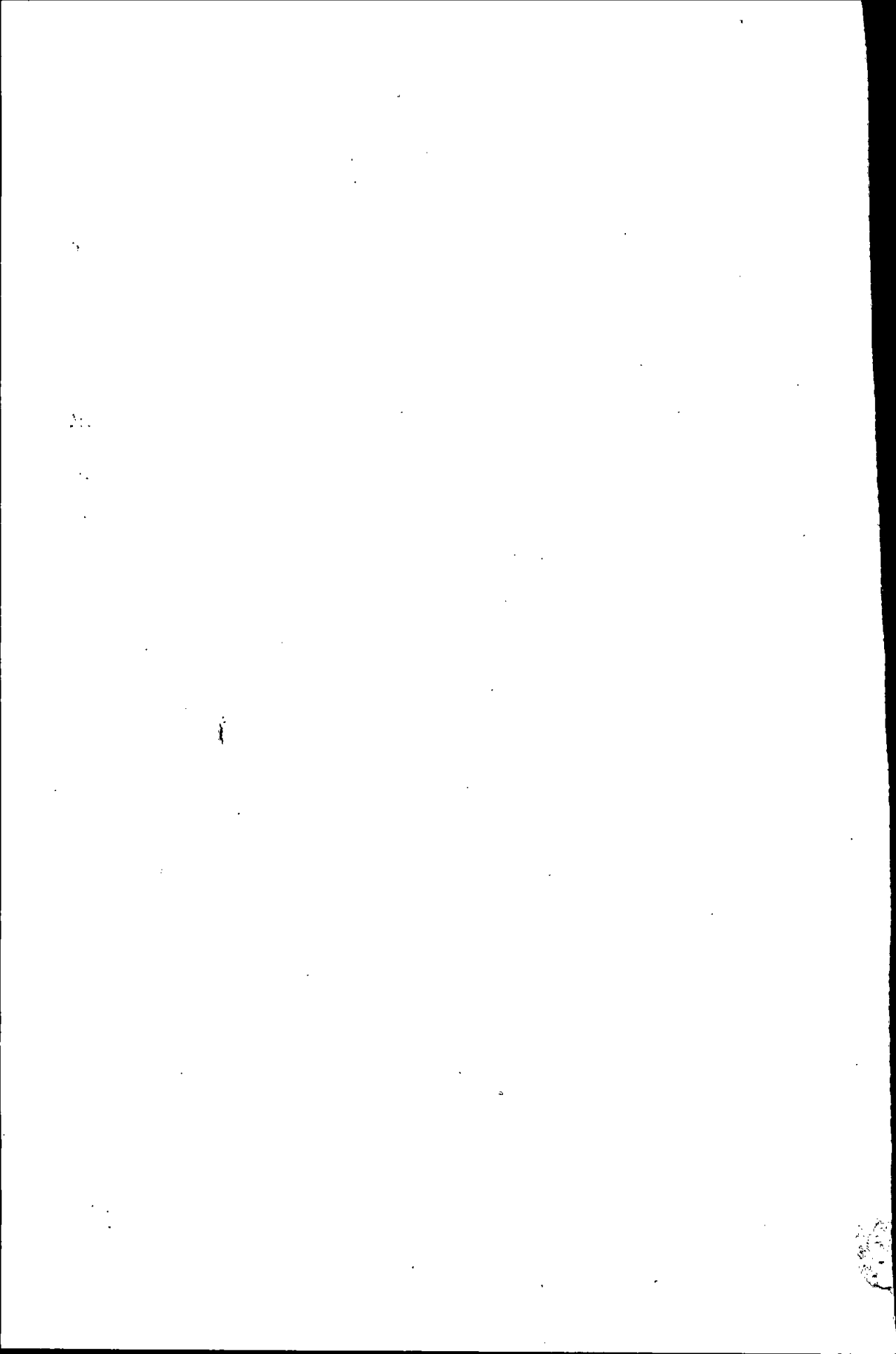
# List of Contents

| Contents :                                  | Page |
|---------------------------------------------|------|
| <b>Aknowldgment</b>                         |      |
| <b>List of abbreviations.</b>               |      |
| <b>List of tables.</b>                      |      |
| <b>List of figures.</b>                     |      |
| <b>Introduction.</b>                        | 1    |
| <b>Aim of the work.</b>                     | 3    |
| <b>Review of literature.</b>                | 4    |
| <i>Definition of neonatal sepsis.</i>       | 4    |
| <i>Incidence of neonatal sepsis.</i>        | 4    |
| <i>Causative organisms.</i>                 | 12   |
| <i>Clinical picture of neonatal sepsis.</i> | 33   |
| <i>Diagnosis .</i>                          | 39   |
| <i>Complication.</i>                        | 62   |
| <i>CD11b.</i>                               | 66   |
| <b>Subjects and methods.</b>                | 81   |
| <b>Results.</b>                             | 88   |
| <b>Discussion.</b>                          | 115  |
| <b>Summary and conclusion</b>               | 127  |
| <b>Recommendation</b>                       | 129  |
| <b>References.</b>                          | 130  |
| <b>Arabic summary.</b>                      |      |





# **Acknowledgment**



# Acknowledgment

First of all, I would like to thank God for his grace and mercy and giving me the effort to complete this work.

I would like to express my deepest gratitude and greatest respect to Prof. Dr. **Mohamed Mohamed Faid** Prof. of Pediatrics, Ain Shams University, which under his supervision, continuous guidance, encouragement and creativity in initiating and completing this work, and I had the honor to proceed with this work.

I wish to express my sincere thanks to Prof. Dr. **Mohamed Ashraf Abdel Wahed** Assistant Prof. Of Pediatrics Ain Shams University, for his supervision, advices and effort during my preparation of the present work.

My deep appreciation goes as well to Prof. Dr. **Tahani Ali El Kerdany** Assistant Prof. of Clinical Pathology Ain Shams University for her great help provided to me in this work and to whom I will always be indebted.

Finally, I would like to thank my family for their love and support.

