

**SERUM NEOPTERIN IN COMMON  
INTESTINAL NEMATODE  
INFESTATIONS IN EGYPT**

Thesis Submitted for Partial Fulfilment of Master  
Degree in Internal Medicine

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**MBBCH**

under supervision of

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بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

قَالُوا سُبْحَانَكَ لَا عِلْمَ لَنَا إِلَّا مَا عَلَّمْتَنَا إِنَّكَ أَنْتَ الْعَلِيمُ الْحَكِيمُ

﴿٣٢﴾ سورة القدر



## ACKNOWLEDGMENTS

First of all thanks to "GOD"

I would like to express my endless gratitude and appreciation to **Dr. Mohammed Abd EL-Rahman Moussa**, Professor of Internal Medicine Faculty of Medicine, Ain -Shams University, who gave me a lot of his time, knowledge and experience .

I wish to extend my deep thanks and gratefulness to **Dr Magdy Mohammed Ibrahim Salama**, Assistant Professor of Parasitology, Faculty of Medicine, Ain -Shams University, for his continuous cardinal encouragement and supervision throughout this thesis.

I am truly indebted to **Dr. Abd El- Azim Mohammed EL- Hefni** Lecturer of Internal Medicine, Ain-Shams University, for his constructive suggestions, valuable comments, revision, constant support and understanding .

Words can not express my deep thanks and sincere gratitude to **Dr. Hossam Mustafa Fahmy**, Lecturer of Immunology and Haematology, Faculty of Medicine, Ain-shams University, for his unlimited support and great effort



I heartily thank my professors, my colleagues and all the members of my family for their support and valuable advice throughout this whole work.

Last, but by no means least, I thank the patients for their cooperation and patience for helping me to fulfill the data of this study .

**Magdy Hassan**

## **List of abbreviations**

|               |  |
|---------------|--|
| <b>ADCC</b>   | Antibody-dependent cell mediated cytotoxicity. |
| <b>APC</b>    | Antigen presenting cells.                      |
| <b>B-cell</b> | Lymphocyte which matures in bone marrow.       |
| <b>cAMP</b>   | Cyclic adenosine monophosphate.                |
| <b>CD</b>     | cluster of differentiation.                    |
| <b>cGMP</b>   | cyclic guanosine monophosphate.                |
| <b>Cm</b>     | centimeters.                                   |
| <b>ELISA</b>  | enzyme-linked immunosorbent assay.             |
| <b>Fc</b>     | Ig crystallisable fragment.                    |
| <b>GTP</b>    | guanosine triphosphate.                        |
| <b>GTPH</b>   | guanosine triphosphate cyclohydrolase.         |
| <b>HPLC</b>   | high performance liquid chromatography.        |
| <b>IgA</b>    | immunoglobulin type A.                         |
| <b>IL</b>     | interleukin.                                   |
| <b>KD</b>     | unit of molecular mass in kilo Daltons.        |
| <b>L</b>      | liter.   |
| <b>mg</b>     | milligram.                                     |
| <b>MHC</b>    | major histocompatibility complex.              |
| <b>ml</b>     | milliliter.                                    |
| <b>mm</b>     | millimeter.                                    |
| <b>ng</b>     | nanogram.                                      |
| <b>NK</b>     | natural killer.                                |

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|                        |                                   |
|------------------------|-----------------------------------|
| <b>OD</b>              | optical density.                  |
| <b>T-cell</b>          | thymus-derived lymphocyte.        |
| <b>Th</b>              | T-helper cell.                    |
| <b>PGF<sub>2</sub></b> | prostaglandin type F <sub>2</sub> |
| <b>RA</b>              | rheumatoid arthritis.             |

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# Introduction

