

Acknowledgment

All thanks are due to God

I would like to express my deepest gratitude to Prof. Dr. Roshdan Mohamed Arafa, Professor and Head of the Department of Microbiology and Immunology, Benha Faculty of Medicine, Zagazig University who honored me by her kind help, continuous advice in all stages of this work.

My deep gratitude and respect to Prof. Dr Amal Mounir Matta, Professor of Microbiology and Immunology, Benha Faculty of Medicine, Zagazig University for her directions all through this work..

I am also exceeding grateful to Ass. Prof. Dr Mahmoud Badr, Assistant Professor of Microbiology and Immunology, Benha Faculty of Medicine, Zagazig University for his continuous guidance with unlimited effort and sympathy.

My deep thanks to all staff members of Microbiology and different surgical departments in Benha University Hospital for cooperation and help they gave me during this work.

Sherine Mohamed

2004

CONTENTS

Introduction and aim of the work.

Review of literature.

Surgical wound infection.

Risk factors for surgical wound infection.

Etiology of surgical wound infection.

Economic costs of surgical wound infection.

Preventive measures for surgical wound infection

Antimicrobial prophylaxis as a preventive measure in surgical wound infection.

Laboratory diagnosis of organisms encountered in post operative wound infection.

Tracing the source of infection by bacterial typing.

Subjects, Materials and Methods.

Results.

Discussion.

Summary and Recommendations.

References.

Arabic summary.

PAGE

1

3

6

12

24

25

38

43

49

62

83

109

117

123

141