

CONTENTS

CONTENTS

	Page
- Aim of the work & Introduction	1
- Review of literature :	3
- Classification of surgical wounds .	6
- Factors affecting wound sepsis .	9
- Incidence of postoperative wound sepsis .	16
- Financial costs of postoperative wound sepsis .	19
- Sources of infection .	21
* In operating rooms .	
* In wards .	
- Pathogens responsible for wound infection .	27
- The role of the laboratory in infection control .	34
- Antibiotic sensitivity testing .	38
- Postoperative wound infection control programs .	43
- The role of antibiotics in prophylaxis .	53
- Materials and Methods .	62
- Results .	77
- Discussion .	110
- Summary .	116
- References .	119
- Arabic Summary .	148

TABLES LIST

	Page
Table(1) :Incidence of postoperative wound infection during the period bet. November 1987-April 1988 .	79
Table(2) :Incidence of postoperative wound infection in different surgical depts.	79
Table(3) :Incidence of postoperative wound infection in relation to age .	80
Table(4) :Incidence of postoperative wound infection in relation to sex .	80
Table(5) :Incidence of postoperative wound infection in relation to preoperative hospitalization period .	81
Table(6) :Incidence of postoperative wound infection in relation to types of wounds .	81
Table(7) :Development of infection in postoperative . wound sepsis cases	82
Table(8) :The relation between administration of proph. antibiotics and develop. of postop.wound sepsis .	83
Table(9) :No. of single and mixed colonization in postop. wound infection cases in relation to different surgical depts.	89

Table(10):No. of coag.+ve and coag.-ve strains of staph. in relation to single and mixed wound infections .	90
Table(11):Types of isolated org.,No. of strains and their incidence in postop. wound infection cases .	91
Table(12):Org. isolated from postop. wound sepsis in (42)cases in Gen. Surg. dept.	92
Table(13):Org. isolated from postop. wound sepsis in (22)cases in Urology dept.	93
Table(14):Org. isolated from postop. wound sepsis in (18)cases in Orthop. dept.	94
Table(15):No. & types of org. isolated from the operating theatre from personnel,inaminte objects and air.	100
Table(16):No. & types of org. isolated from the different surgical wards from personnel,inaminte objects and air.	101
Table(17):Incidence of org. isolated from nasal carriers among theatre and wards personnel.	102
Table(18):The variety of org. isolated from the nose & The skin of postop. wound sepsis patients.	103

Table(19): incidence of antibiotic susceptibility to the isolated org.	106
--	-----

Table(20):Antibiogram of isolated strains from postop. wound infection cases .	107
--	-----

Table(21):Antibiogram of isolated anaerobic strains.	108
--	-----

FIGURES LIST

Fig(1) :Incidence of postop. W. I. in diff.surgical depts.	84
Fig(2) :Incidence of postop. W. I. in relation to age.	85
Fig(3) :Incidence of postop. W. I. in relation to preoperative hospitalization period.	86
Fig(4) :Incidence of postop. W. I. in relation to types of wound .	87
Fig(5) :Incidence of postop. W. I. in relation to Types of isolated org.	95
Fig(6) :Incidence of diff. isolated org. from postop. W. I. in General Surgery dept.	96
Fig(7) :Incidence of diff. isolated org. from postop. W. I. in Urology dept.	97
Fig(8) :Incidence of diff. isolated org. from postop. W. I. in Orthopedic dept.	98
Fig(9) :Antibiogram of isolated strains from postop. W. I. cases .	109