

Contents

Subject	page
<u><i>Introduction</i></u>	1
<u><i>Aim of the work</i></u>	2
<u><i>Review of literature</i></u>	3
Chapter (1): Neonatal sepsis.	
Chapter (2): Neonatal acute renal failure.	28
Chapter (3): sepsis and neonatal kidney	49
<u><i>Patient and methods</i></u>	63
<u><i>Results</i></u>	73
<u><i>Discussion</i></u>	129
<u><i>Summery,</i></u>	144
<u><i>Conclusion & recommendations</i></u>	147
<u><i>References</i></u>	148

A) List of Tables

(I) Tables of review		
NO of table	Titles of the table	NO of pages
1	Major and minor risk factors in NN sepsis	9
2	Clinical presentation of sepsis	15
3	Most common disorders that mimic sepsis	17
4	Intrapartum antibiotic prophylaxis	27
5	List of causes of ARF in neonates	31
6	Normal creatinine values in neonates	35
7	Renal failure indices in the oliguric neonate	36
8	Formula for calculated amount of sodium in treatment of hyponatremia	40
9	Management of hyperkalemia	42
10	Human maternal milk & renal form	44

	(II)Tables of Results	
Table NO.	Title	Page NO.
1	Clinical profile of the study	74
2	Comparison between study groups regarding to sex	76
3	Mean of gestational age of study groups	78
4	Mean of the weight in (grams) of the study groups	80
5	Comparison between study groups regarding to onset of sepsis	82
6	Comparison between study groups regarding to presence of co morbid factors	84
7	Comparison between study groups regarding to affection by shock	86
8	Comparison between study groups regarding to affection by DIC	88
9	Comparison between study groups regarding to presence of culture positive cases	90
10	Comparison between study groups regarding to survival	92
11	Statistical correlation between studied variables and occurrence of ARF in septicemic neonates	94
12	Mean of gestational age in (weeks)of subgroups I(A) & I(B)	97
13	Mean of weight (grams) of subgroups I(A) & I(B)	99

14	Comparison between subgroups I (A) &I (B) regarding to onset of sepsis	101
15	Comparison between subgroups I (A) &I (B) regarding to affection by shock	103
16	Comparison between subgroups I (A) &I (B) regarding to affection by DIC	105
17	Comparison between subgroups I (A) &I (B) regarding to presence of culture positive cases	107
18	Statistical correlation between studied variables and occurrence of oliguria in septicemic neonates with ARF	109
19	Mean of gestational age in of survived and died cases of ARF	111
20	Mean of weight in of survived and died cases of ARF	113
21	Comparison between survived & not survived cases of septicemic neonates with ARF regarding to early onset of sepsis	115
22	Comparison between survived & not survived cases of septicemic neonates with ARF regarding to affection by shock	117
23	Comparison between survived & not survived cases of septicemic neonates with ARF regarding to affection by Prenatal asphyxia	119
24	Comparison between survived & not survived cases of septicemic neonates with ARF regarding to using of nephrotoxic drugs	121
25	Comparison between survived & not survived cases of septicemic neonates with ARF regarding to presence of culture positive cases	123
26	Comparison between survived & not survived cases of septicemic neonates with ARF regarding to presence of Oliguria	125
27	Statistical correlation between studied variables and survival	127

B) List of Figures

(I) Figures of review		
Fig	Item	Page NO.
1	Renal biopsy	37
2	Neonate under peritoneal dialysis	46
3	Algorism for management of ARF	48

(II) Figures of results

Fig. NO.	Title	Page NO.
1a	The percentage of the cases of neonatal sepsis which affected by (ARF)	75
1b	The percentage of oliguria in cases which affected by ARF	75
2 a	The distribution of group " I " according to sex	77
2b	Distribution of group " II " according to sex	77
3	Mean of gestational age (in weeks) of study groups	79
4	Shows the mean of the weight in (grams) of the study groups	81
5a	Distribution of the group" I " according to onset of sepsis	83
5b	Distribution of the group" II " according to onset of sepsis	83
6	Percentage distribution of the study groups According to presence of co morbid factors	85
7a	Percentage distribution of group" I" according to affection by shock	87
7b	Percentage distribution of group" II " according to affection by shock	87
8a	Percentage distribution of group" I " according to affection by DIC	89
8b	Percentage distribution of group" II "according to affection by DIC	89
9	Percentage distribution of the study groups according to presence of culture positive cases	91
10a	Percentage distribution of group" I " according to survival	93
10b	Distribution of group" II "according to affection by survival	93
11a	Statistical correlation between shock & occurance of ARF in septicemic neonates	95
11b	Statistical correlation between DIC & occurance of ARF in septicemic neonates	95

11c	Statistical correlation between survival & occurrence of ARF in septicemic neonates	96
12	Mean of Gestational age (in weeks) of subgroups I (A) & I (B)	98
13	Mean of weight (grams) of subgroups I(A) & I(B)	100
14	Percentage distribution of subgroups I(A) & I(B) according to onset of sepsis	102
15	Percentage distribution of subgroups I(A) & I(B) according to affection by shock	104
16	Percentage distribution of subgroups I(A) & I(B) according to affection by DIC	106
17	Percentage distribution of subgroups I(A) & I(B) according to presence of culture positive cases	108
18a	Statistical correlation between weight & occurrence of oliguria in septicemic neonates with ARF	110
18b	Statistical correlation between shock & occurrence of oliguria in septicemic neonates with ARF	110
19	Mean of gestational age in (weeks) of survived and not survived cases of septicemic neonates with ARF	112
20	Mean of weight in (grams) of survived and not survived cases of septicemic neonates with ARF	114
21	Percentage distribution of survived & not survived cases of septicemic neonates with ARF according to onset of sepsis	116
22	Percentage distribution of survived & not survived cases of septicemic neonates with ARF according to affection by shock	118
23	Percentage distribution of survived & not survived cases of septicemic neonates with ARF according to affection by Prenatal asphyxia	120
24	Percentage distribution of survived & not survived cases of septicemic neonates with ARF according to using of nephrotoxic drugs	122
25	Percentage distribution of survived & not survived cases of septicemic neonates with ARF according to presence of culture positive cases	124
26	Percentage distribution of survived & not survived cases of septicemic neonates with ARF according to presence of Oliguria	126
27	Statistical correlation between shock and survival in septicemic neonates with ARF	128