

**Table (1): Clinical signs of the two sepsis groups and blood culture results of the definite sepsis group.**

<b>Variables</b>	<b>Definite sepsis n=30 n (%)</b>	<b>Probable sepsis n=30 n (%)</b>	<b>p-value</b>
<b>Lethargy</b>	22(73.3%)	22(73.3%)	0.5
<b>Tachycardia</b>	7(23.3%)	5(16.7%)	0.2
<b>Fever</b>	9(30%)	10(33.3%)	0.4
<b>Abdominal distension</b>	9(30%)	9(30%)	0.5
<b>Increased prefeed aspirate</b>	12(40%)	12(40%)	0.5
<b>Chest retraction</b>	18(60%)	19(63.3%)	0.4
<b>Grunting</b>	8(26.7%)	4(13.3%)	0.1
<b>Sick looking</b>	23(76.7%)	19(63.3%)	0.1
<b>Poor suckling</b>	24(80%)	19(63.3%)	0.07
<b>Hypothermia</b>	10(33.3%)	6(20%)	0.1
<b>Apnea</b>	5(16.7%)	2(6.7%)	0.1
<b>Tachypnea</b>	14(46.7%)	11(36.7%)	0.2
<b>Bradycardia</b>	3(10%)	2(6.7%)	0.2
<b>Blood culture:</b>			
- <i>Escherichia coli</i>	8(26.67%)	—	--
- <i>Klebsiella</i>	6(20%)		
- <i>Streptococcus pneumoniae</i>	5(16.67%)		
- <i>Staphylococcus aureus</i>	5(16.67%)		
- <i>Enterobacter</i>	4(13.33%)		
- <i>Pseudomonas aeruginosa</i>	2(6.67%)		

*Statistical significance at <0.05*

**Table 2: Comparison of CRP and PSP among the studied neonates.**

Variables	Definite sepsis	Probable sepsis	Control	p1	p2	p3
	n=30	n=30	n=30			
<b>Hb (gm%)</b>	11.8±3.76	13.6±3.45	16.9±0.93	0.03*	0.001*	0.001*
<b>TLC (x10<sup>3</sup>/L)</b>	17.2±3.8	12.2±2.1	9.7±0.42	0.001*	0.001*	0.003*
<b>PLT(x10<sup>3</sup>/L)</b>	106.6±49.4	226.5±115.3	296.2±67.5	0.001*	0.001*	0.005*
<b>CRP (mg/l)</b>	62.7±87.4	19.1±26.9	0.8±1.1	0.001*	0.001*	0.001*
<b>PSP (ng/ml)</b>	96.5±16.1	54.3±12.6	14.1±3.1	0.001*	0.001*	0.001*

*p1= group A vs. group B; p2= group A vs. group C; p3= group B vs. group C.*

*CRP: C reactive protein; PSP: Pancreatic stone protein; Hb: hemoglobin; TLC: total leucocytic count; PLT: platelet*

*Statistical significance at <0.05*

**Table 3: PSP correlation with gestational age, clinical score, CBC parameters and CRP.**

Variables	PSP	
	r	p
<b>Gestational age</b>	-0.1	0.4
<b>Clinical score</b>	0.32	0.01*
<b>CRP (mg/l)</b>	0.47	0.001*
<b>Hb (gm%)</b>	-0.122	0.3
<b>TLC (x10<sup>3</sup>/L)</b>	0.67	0.001*
<b>PLT (x10<sup>3</sup>/L)</b>	-0.35	0.005*

*CRP: C reactive protein; PSP: Pancreatic stone protein; Hb: hemoglobin; TLC: total leucocytic count; PLT: platelet*

*Statistical significance at <0.05*

**Table 4: Validity tests of clinical score, PSP and CRP for detection of sepsis**

<b>Variables</b>	<b>Cut-off</b>	<b>AUC</b>	<b>Sensitivity</b>	<b>Specificity</b>	<b>PPV</b>	<b>NPV</b>
<b>Clinical score</b>	$\geq 2.5$	0.587 $\pm$ 0.001	70%	56.7%	60%	47.6%
<b>PSP</b>	$\geq 72.5$ ng/ml	0.997 $\pm$ 0.02	98.3%	100%	100%	95.2%
<b>CRP</b>	$\geq 9$ mg/l	0.833 $\pm$ 0.01	93.3%	90%	93.5%	81.8%

AUC: Area under the curve; PPV: Positive predictive value; NPV: Negative predictive value; CRP: C reactive protein; PSP: Pancreatic stone protein.