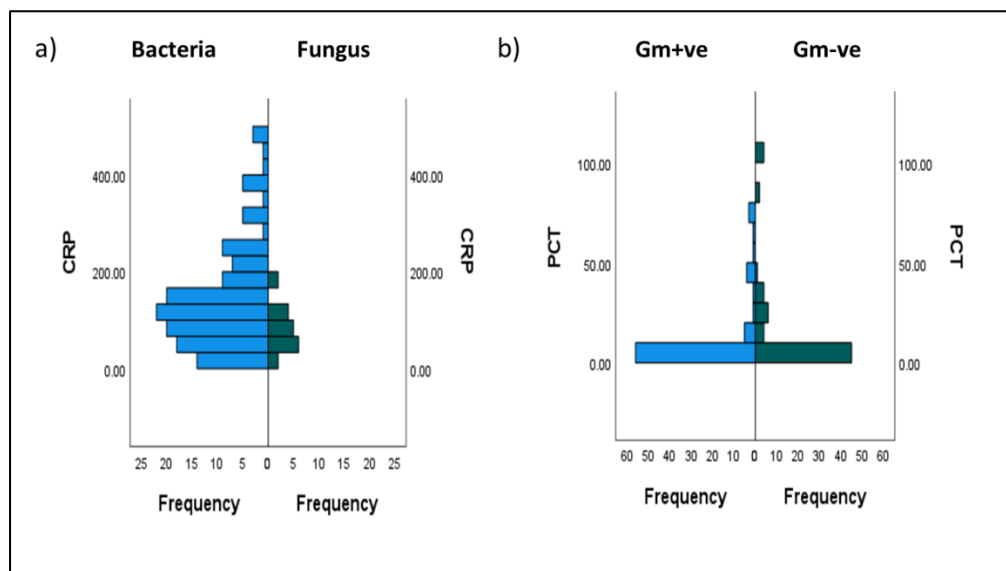


Supplementary Table 1: Types and frequencies of isolated microorganisms in blood culture

Total number of patients (N= 328)		
Isolated microorganisms	Frequency (N)	Rate (%)
<i>Pseudomonas</i>	8	2.4%
<i>Proteus mirabilis</i>	3	0.9%
<i>Klebsiella</i>	30	9.1%
<i>Enterobacter</i>	1	0.3%
<i>E.coli</i>	13	4.0%
<i>Acinetobacter</i>	11	3.4%
<i>Staphylococcus aureus</i>	16	4.87%
<i>Streptococcus viridans</i>	3	0.9%
<i>Streptococcus pneumoniae</i>	2	0.6%
<i>Non-hemolytic Streptococcus</i>	1	0.3%
<i>Enterococcus</i>	6	1.8%
<i>Coagulase-negative Staphylococcus</i>	44	13.4%
<i>Candida</i>	19	5.8%



Supplementary figure 1: Comparative values of PCT and CRP among different microbial etiological agents of BSIs. a) A dual sided histogram chart showing the distribution of CRP values that appear significantly higher among bacterial (blue bars) than fungal (Green bars) BSIs. b) The distribution of PCT values shows significant discrimination between Gram-negative (Green bars) and Gram-positive

(blue bars) BSIs. The CRP and PCT values are plotted on the vertical axis, while the frequencies (count) are scaled on the y-axis.

Supplementary Table 2: Analytical measurements of PCT, CRP and TLC biomarkers in relation to different identified types of microorganisms

Biomarkers' analyses		Types of identified microbes					P-value
		<i>Staphylococcus</i>	<i>Streptococcus</i>	<i>Enterobacterales</i>	<i>Non-fermenters</i>	<i>Candida</i>	
PCT	Mean	10.64	11.20	17.31	15.04	10.29	< 0.001
	SD	19.65	18.41	28.76	23.44	24.37	
	Median	1.84	2.45	4.20	5.79	2.12	
	Min.	0.03	0.06	0.11	0.27	0.09	
	Max.	75.02	55.88	100.00	100.00	80.70	
CRP	Mean	136.30	119.08	174.46	137.49	83.64	0.023
	SD	103.08	98.90	116.23	110.90	49.90	
	Median	112.70	95.40	134.60	122.30	82.20	
	Min.	2.40	2.40	12.00	12.00	12.00	
	Max.	441.60	326.32	481.60	481.60	199.30	
TLC	Mean	15.02	11.13	15.23	12.72	10.59	0.090
	SD	8.39	3.99	9.66	8.60	6.63	
	Median	12.60	10.80	13.50	12.30	10.30	
	Min.	6.40	6.60	0.10	0.10	0.60	
	Max.	47.70	18.00	51.00	31.30	30.00	

PCT: Procalcitonin, **CRP:** C-reactive protein, **TLC:** Total leucocyte count, **Enterobacterales:** *E. coli*, *Klebsiella*, *Proteus* and *Enterobacter*, **Non-fermenters:** *Pseudomonas* and *Acinetobacter*, **SD:** standard deviation, **Min.:** minimum, **Max.:** maximum, **CI:** confidence interval

