

## **Abstract**

In our study Shock Index was higher in Non-Survivors than Survivors with (P value < 0.001) ; high shock Index was associated with Mortality with cutoff value 0.87 and sensitivity 86% , specificity 89% and AUC 0.86.

As regard haemodynamics CO&CI were not decreased in patients with sepsis ; All patients had normal or elevated CO & CI with higher values in non-survivors than survivors .

There was significant positive correlations between RDW, serum lactate level and shock Index .

When we reviewed the literature and new studies, we didn't find any similar trials or studies Correlated RDW with Shock index or RDW with Haemodynamic parameters . also there were no studies Correlated RDW with mortality in EYPTIAN septic Patients .

Finally our study and most observational studies suggest that RDW and shock Index have high prognostic value in patients with sepsis.

### **Key Words :**

Red Cell Distribution Width - Haemodynamic Parameters .