

## **Risk factors for development of severe sepsis in patients with gram negative bacteremias**

P.H.V.Sanjay

Konaseema institute of medical coiiege,amalapuram,eastgodavari dist.

E-mail: vinaysanjay2591@gmail.com

### **Background**

The aim of this study was to identify the risk factors for development of sepsis & to evaluate clinical impact of severe sepsis on out come in patients with gram negative bacteremia.

### **Method**

From the database of a general hospital, a total of 65 patients with gram -ve bacteremia were analyzed. Data of patients with severe sepsis were compared with those of non severe sepsis.

### **Results**

Factors associated with severe sepsis included Old Age (63%) Alcoholism (46%) Diabetes (82%) Renal disease (33%) Liver disease (18%)v The mortality rates were higher for patients with severe sepsis 43.6% Vs 11.2% p<0.001v Duration of hospital stay 17 to 21 days Vs 7-10days. P<0.001Need for multiple antibiotic regimens was also higher in patients with severe sepsis.

### **Conclusion**

Identification of those at risk for severe sepsis allows early recognition of impending complication & aggressive treatment. Focus can also be made on preventive aspects of this high risk population.