SAQ

A 72 year old diabetic female is brought to your Emergency Department by ambulance. She complains of feel generally unwell for the last 2 days with abdominal pain, cough and fevers.

Vitals signs: Pulse 121

 BP 89/58

 RR 28

 Sats 89% Room Air

 Temp 39.8 oC

**a. List the key steps in this patients management ? (3 Marks)**

*Resuscitation - 1/2 Mark*

*Screening / diagnosis e.g. blood cultures / biochemistry etc. - 1/2 Mark*

*Antibiotics - broad spectrum cover required - 1 Mark*

*1/2 Mark each for any two of:*

*Source Control*

*Monitoring*

*Disposition*

*Boundary of Care*

**b. List your resuscitation goals for the first 6 hours ? (4 Marks)**

*1 Mark each up to 4 marks from:*

*CVP 8-12 mmHg*

*MAP >65 mmHg*

*Urine output >0.5ml/kg/hr*

*Central venous sats >70% or mixed venous sats >65%*

*Lactate clearance*

**c. The patient requires inotropic haemodynamic support. Which inotrope should be used ? (1 Mark)**

*Noradrenaline - 1 Mark*

**d. The patient is intubated for respiratory failure. List the four key components of your ventilation strategy for this patient ? (2 Marks)**

*1/2 Mark for each of :*

*Tidal volume 6ml/kg*

*Plateau pressure <30 cm H2O*

*PEEP Titrated to FiO2 Minimum 5 cm H2O - Maximum 24 cm H20*

*FiO2 Titrated to Sats 88-95% or PaO2 55-80 mmHg*

*Answers taken from Surviving Sepsis Campaign International Guideline for Management of Severe Sepsis and Septic Shock 2012 and ARDSnet NIH NHLBI ARDS Clinical Network Mechanical Ventilation Protocol Summary*