

# SEPSIS

## THE EXTENT OF THE PROBLEM

- sepsis is the leading cause of death in ICU
- 200,000 cases of sepsis occur every year in the UK
- severe sepsis can increase the chance of mortality up to 50%
- 1,400 people worldwide die of sepsis every day
- the incidence of sepsis is rising

## INTERNATIONAL DEFINITIONS

**Systemic Inflammatory Response Syndrome (SIRS) is diagnosed when two or more of the following are present:**

- Temperature  $>38.3^{\circ}\text{C}$  or  $<36^{\circ}\text{C}$
- Heart rate  $>90$  beats per minute (bpm)
- Respiratory rate  $>20$  breaths per minute or  $\text{PaCO}_2 <32$  mm Hg
- White blood cell count  $>12,000/\mu\text{L}$ ,  $<4000/\mu\text{L}$ , or 10% immature (band) forms

**Sepsis is diagnosed where SIRS is present and the patient is suffering from an infection**

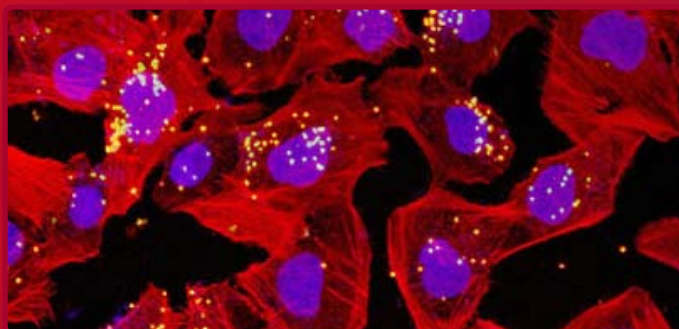
If Sepsis is confirmed, treatment, as per Surviving Sepsis guidelines, is as follows:

- Oxygen
- Hourly observations
- IV antibiotics
- Fluid therapy
- Hourly re-assessment

## WHAT DO WE WANT FROM YOU?

- Baseline observations of: Heart Rate, Respiratory Rate, Blood Pressure, GCS / AVPU,  $\text{O}_2$  saturation, Temperature
- Initiation and completion of all aspects of SEWS/MEWS chart including a SEWS /MEWS total
- Time of documented entries
- Documentation of any suspicion of sepsis and source
- Time of antibiotic administration

We will be collecting this data from information that is routinely documented in patient casenotes.



## WHAT IS STAG?

STAG is a multidisciplinary team that has been undertaking national audits of clinical priority areas since 1992.

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