

Nervecentre launch life-saving sepsis software for hospitals

Mobile Technology from Nervecentre Software will now play an important part in the early detection of Sepsis and other life threatening conditions such as AKI. This new extension to Nervecentre's mobile software platform uses vital signs, EWS and pathology results for early diagnosis of sepsis and then goes a crucial step further and ensures that the appropriate doctors and nurses are immediately alerted when a risk of sepsis has been identified.

Using the advanced Nervecentre Software on mobile devices, sepsis indicators are applied to a series of clinical rules to identify the early onset of this serious condition and alerts the right doctors and nurses of the early indication to Sepsis and AKI. Crucially, this Nervecentre Sepsis application intuitively links with pathology results and the intelligent alert/escalation system means that not only does the nurse and doctor get alerted to the fact that early sepsis has been diagnosed but it also alerts when pathology results have been received or are still to be reviewed.

Research by the UK Sepsis Trust shows that if diagnosed and treated in the first hour following presentation with sepsis, the patient has more than an 80% survival rate. After the sixth hour, the patient only has a 30% survival rate. It consumes over a third of our most expensive hospital beds in Intensive Care and costs the NHS around £2.5 billion a year.

As a mobile device driven Nervecentre solution, it ensures that a doctor can view the status of his patients wherever they are in the hospitals without having to log-on to computers to view the patient updates and test results. The doctor can easily view the EWS score on his mobile and will automatically receive alerts for sepsis immediately and can provide a response to the patient's clinical team.

Debbie Guy, Clinical Director, Nervecentre "The early detection of sepsis is critical when monitoring a patient during their hospital stay to ensure that the patient doesn't rapidly deteriorate to a critical level. Having the Nervecentre Sepsis clinical tool is a major step towards early detection. By applying clinical rules and pathology results/requests to the existing electronic observations process will provide doctors and nurses with all the information they need to diagnose the early on-set of sepsis and other life threatening conditions. Personally, I am very proud that we have been able to provide the additional benefit of linking with pathology to alert doctors to test results helping them diagnose a patient as soon as the 'real time' information has been received".