

ProtocolWatch – A Clear View of Patient Data

Intuitive clinical decision support tools help clinicians treat patients more effectively throughout the care cycle

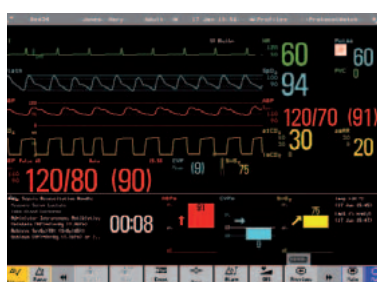
With a mortality rate of 28 to 50 percent¹, severe sepsis, or septic shock, is the leading cause of death in non-cardiac intensive care units.¹¹ ProtocolWatch, the new clinical decision support application available on the IntelliVue patient monitors, aims to improve clinical confidence by utilizing the Surviving Sepsis Campaign (SSC) protocols to define physiological parameters that indicate the onset of sepsis. Established guidelines developed by the SSC may help hospitals reduce mortality and the significant costs associated with sepsis treatment.

Through bedside monitoring measurements, ProtocolWatch offers relevant screening and treatment information from evidence-based guidelines to help clinicians make accurate and timely decisions regarding patient care. When a parameter reaches the limits according to the SSC protocol, a window appears on the monitor screen and prompts clinicians to check for other clinical signs of severe sepsis.

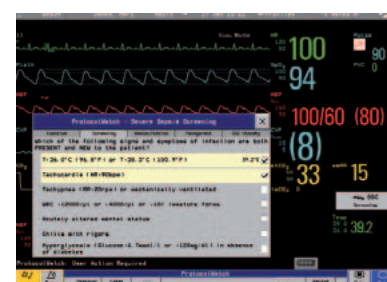
Leading Hospital Reinforces Quality Guidelines with ProtocolWatch

Legacy Good Samaritan Hospital and Medical Center in Portland, Oregon began a quality initiative for sepsis in the fall of 2006, leading the hospital to develop its own protocols that follow the SSC guidelines. A leader in embracing evidence-based medicine, Good Samaritan Hospital recently installed ProtocolWatch in its 28-bed intensive care unit (ICU) to help reinforce this initiative, as well as increase the clinical knowledge base of hospital staff.

“Instead of evaluating a patient’s condition and waiting for lab results, the ProtocolWatch application is able to help identify early indicators of sepsis, allowing our treatment to begin in a more timely manner,” said LuAnn Staul, clinical nurse specialist, Legacy Good Samaritan Hospital. “According to SSC protocols, treatment should be completed during the first six hours following sepsis identification. Since implementing ProtocolWatch, we have been able to com-



During Sepsis Resuscitation, horizon trends track key hemodynamic parameters at a glance. A timer starts when resuscitation begins and continues through the rest of the protocol.



ProtocolWatch on IntelliVue patient monitors simplifies the implementation of evidence-based care protocols.

plete interventions in less than six hours by virtue of having clear cues and a relevant timeline available, which helps remove obstacles when providing care to critically ill patients.”

In addition, the system alerts Good Samaritan critical care nurses and physicians to the patient’s progress in meeting the timeline for early goal directed therapy, helping align staff, enabling increased care continuity and consistency, and fostering enhanced communication.

Today, medical professionals require clear views to patient data and guidance in response to the information overload they often face. Clinical decision support applications like ProtocolWatch can have a powerful impact in treating patients with sepsis and potentially saving lives. Because the symptoms of sepsis are difficult to detect and often get confused with other conditions, Philips’ goal is to give physicians and nurses an extra set of eyes to screen patient data and help them choose the best possible treatment, faster. <

¹ Wheeler AP, Bernard GR. Treating patients with severe sepsis. *N Engl J Med* 1999; 340: 207-214.

¹¹ Parrillo JE, Parker MM, Natanson C, et al. Septic shock in humans: advances in the understanding of pathogenesis, cardiovascular dysfunction, and therapy. *Ann Intern Med* 1990; 113: 227-242.