



Wesley Medical Center
Wesley Woodlawn Hospital & ER
Wesley Children's Hospital
Wesley West ER & Diagnostic Center
Wesley Derby ER
WesleyCare Clinics

➤ **550 N. Hillside ◊ Wichita, Kansas, 67214 (316) 962-2000**

Outlying Physician Communication on Sepsis

Situation: Patients who are accepted for transfer to Wesley Healthcare with severe sepsis or septic shock have a mortality rate double that of patients who present initially to Wesley Healthcare.

Background: Early goal-directed therapy has been shown to reduce mortality and morbidity in patients with severe sepsis and septic shock. Recent studies have shown that the aggressive use of intravenous fluids, initiation of a broad spectrum antibiotic within the first hour, and the measurement of lactate to assist in determining sepsis severity are the preferred “bundle” for severe sepsis/septic shock treatment. The earlier and more aggressive the fluid resuscitation and antibiotic initiation, the better the outcomes of treatment will be.

Assessment: Patients transferring to Wesley Healthcare with severe sepsis or septic shock have not received the full resuscitation bundle of fluids, antibiotics, and lactate assessment within the first three hours of presentation.

Recommendation: Wesley Healthcare has the resources and capability to care for critically ill patients, and will accept patients from your facility who need this care. In the interest of improving patient outcomes, we recommend obtaining a lactate level and blood cultures before antibiotics (if able to be obtained within the first 30 minutes of presentation), initiation of a broad spectrum antibiotic and if the patient's lactate level is equal to or greater than 4 and/or a systolic blood pressure of < 90, a M.A.P. of < 65, or a systolic blood pressure of 40 below the patient's presenting baseline, a 30 ml/kg crystalloid fluid bolus is recommended with a rapid transfer to Wesley Healthcare.

As the patient's mortality rate increases by 7.6% per hour without that first broad spectrum antibiotic, these interventions are recommended in the first hour of presentation.

PLEASE SEE ATTACHED RECOMMENDED PRE-TRANSFER SEVERE SEPSIS AND SEPTIC SHOCK TREATMENT FORM

Please contact accepting physician with any questions – 316-962-2000