Resources to Support Conversations

RE: Sepsis Fluid Resuscitation


Article shown below: http://ccforum.biomedcentral.com/articles/10.1186/cc13840

Critical Care

Comparison of outcomes from sepsis between patients with and without pre-existing left ventricular dysfunction: a case-control analysis

The aim of this study was to determine if there are differences between patients with pre-existing left ventricular dysfunction and those with normal antecedent left ventricular function during a sepsis episode in terms of in-hospital mortality and mortality risk factors when treated in accordance with a sepsis treatment algorithm. We performed a retrospective case-control analysis of patients selected from a quality improvement database of 1,717 patients hospitalized with sepsis between 1 January 2005 and 30 June 2010. In this study, 197 patients with pre-existing left ventricular systolic dysfunction and sepsis were compared to 197 case-matched patients with normal prior cardiac function and sepsis. In-hospital mortality rates (P = 0.117) and intubation rates at 24 hours (P = 0.687) were not significantly different between cases and controls. There was no correlation between the amount of intravenous fluid administered over the first...
24 hours and the PaO2/FiO2 ratio at 24 hours in either cases or