Diagnostic Assessment of Arterial Lactate Clearance as Predictor of Mortality of Severe Sepsis Patients in Intensive Care Unit

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Abstract : ICU mortality rates in severe sepsis remains high; objective instrument to determine disease severity and to predict mortality in ICU patients with severe sepsis is needed. Arterial lactate has become one of the simple and inexpensive marker in the ICU to assess disease severity and prediction of mortality in critically ill patients compared to APACHE II score that requires a lot of expensive laboratory tests and costs. The study was performed at the surgical-medical ICU Haji Adam Malik hospital during May 2013 until August 2013. And the purpose of this study is to know whether arterial lactate clearance can be used a simpler, easier, and cheaper alternative method as a predictor of mortality in ICU patients with severe sepsis.

Keywords: Arterial lactate clearance, APACHE II score, ICU mortality.

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