

Interleukin-1 receptor antagonist in early diagnosis of neonatal sepsis

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The aim of this study was to investigate the diagnostic value of Interleukin-1 receptor antagonist in neonatal sepsis as an early sensitive diagnostic marker in comparison to other laboratory investigations for neonatal sepsis.

In conclusion, IL-1ra plasma concentration is significantly increased early in neonates with sepsis in comparison

to healthy neonates. In addition to marked increase in suspicious sepsis with low titer of CRP and more increase occur on the day of proven sepsis. That is why we can use IL-1ra as an early marker for neonatal sepsis with 100% sensitivity and 92% specificity.