

البحث الأول

Comparative study between succinylated gelatin (gelofusine) versus ringer's acetate regarding safety and efficacy in adult patients undergoing cardiac surgery.

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Abstract

In this prospective, randomized, double-blinded study 60 adult patients underwent cardiac surgery with CPB were randomly assigned to receive either succinylated gelatin or Ringer's acetate as priming and perioperative maintenance. We found that the dose of the study solution was significantly less in gelofusine group. The pH level, the BE values, coagulation parameters and hematological parameters showed significant changes in the gelatin group. We concluded that: Succinylated gelatin is more effective plasma expander than Ringer's acetate but with worse outcome regarding the acid base balance and coagulation parameters.