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Full title of the trial: "Impact of a balanced infusion solution compound of 50% cristalloid and 50% colloid versus an unbalanced infusion solution of 100% crystalloid within a goal-directed hemodynamic protocol on acid-base balance in patients undergoing elective hip replacement surgery"

Krebbel H, Feldheiser A, Müller O, et al. Influence of goal-directed therapy with balanced crystalloid–colloid or unbalanced crystalloid solution on base excess. *Journal of International Medical Research*. April 2014:468-486.

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