

Fibrin Sealant Reduces Perioperative Blood Loss in Total Hip Replacement.

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Abstract:

Patients (n = 81) undergoing total hip replacement (THR) were randomized to receive either standard of care plus fibrin sealant (FS) (10 mL total) or standard of care alone to evaluate the efficacy of FS for reducing blood loss in THR. Considering the 81 intent-to-treat patients, adjusted perioperative blood loss was reduced significantly in the FS group, by 197 mL [95% CI: 45 mL, 319 mL] or 23.5% [95% CI: 5.4%, 38.1%] ($p = 0.014$). When protocol violators were eliminated, leaving 73 patients, the adjusted FS group perioperative bleeding was reduced by 221 mL [95% CI: 63 mL, 351 mL] or 27.1% [95% CI: 7.6%, 42.5%] ($p = 0.0098$).