

Liposomal bupivacaine for surgical site infiltration. (Is it superior to plain bupivacaine?)

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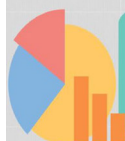
Liposomal bupivacaine infiltration did not improve analgesic outcomes beyond 24 hours following total knee arthroplasty. (1)



Abdallah *et al* Conducted a meta-analysis to examine the efficacy of liposomal bupivacaine compared to plain bupivacaine in controlling pain after surgical site infiltration. Authors met several obstacles obtaining data but they mentioned " this is the best they could do."



Authors identified 11 clinical trials. The first 2 trials chronologically were industry sponsored and were favoring liposomal bupivacaine. The remaining 9 trials (including 2 industry sponsored trials) showed no difference between liposomal bupivacaine and plain bupivacaine.



Meta-analysis over time by pooling all trials showed no significant difference between liposomal bupivacaine and plain bupivacaine in controlling pain 0-72 hours after surgery. (2)



- ▶ <http://dx.doi.org/10.1136/rapm-2020-102395>
- ▶ <http://dx.doi.org/10.1136/rapm-2020-101995>

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- 2 Abdallah F, Hussain N, Brull R. Analgesic efficacy of liposomal bupivacaine for surgical site infiltration: a single-outcome metaanalysis (the best we could do). *Reg Anesth Pain Med* 2021:1–2.