

Does irrigation type impact periprosthetic joint infections in primary total hip and knee arthroplasties?

Study overview:



Study on 2019-2022 data
THA: 67,871 cases
TKA: 105,963 cases



90-day PJI rates:



0.6%



0.4%

Irrigants & additives analyzed:



Normal
saline
(0.9%)



Povidone
iodine



Antibiotic
solution



Antibiotic
powder



Chlorhexidine
gluconate

Results:



≥



ABX, iodine, &
CHG are no better
than normal
saline



≥



Iodine, & CHG are
no better than
normal saline



Antibiotic powder
showed no
improvement in
infection rates

The use of normal saline as an irrigant is a cost effective & clinically impactful option for surgical practice, performing as well or better than other products in preventing infection