

Lidocaine Injection in Mesosalpinx for Pain Relief during Post-Partum Tubal Sterilization in Srinagarind Hospital

Vilasinee Songserm¹, Yuthapong Werawatakul¹, Jen Sothornwit¹, Molruedee Prasit², Sompong Thongpha²
¹Department of Obstetrics and Gynecology, ²Family Planning Unit, Nursing Division,
Faculty of Medicine, Srinagarind Hospital, Khon Kaen University, Khonkaen, Thailand

Objective: To evaluate the effectiveness of Lidocaine injection in mesosalpinx for pain relief during and post-partum tubal sterilization in Srinagarind Hospital.

Material and Method: Sixty postpartum women, undergoing postpartum tubal sterilization performed by residents at the Department of Obstetrics and Gynecology, were recruited in this randomized, double-blinded, placebo controlled study. They were randomly assigned to one of two groups. All of them received 2 ml solution injection in mesosalpinx each side. Group one received it as 1%Lidocaine 2 ml. (20 mg). And the other group received it with 0.9%NSS 2

ml. The intra-operative and 1 hour post-operative pain were measured by using a numerical rating score (NRS) from 0-10.

Result: There was no significant difference in the mean of intra-operative and post-operative NRS between the lidocaine group and placebo group (6.28 vs.7.15, p-value 0.211 and 2.5 vs. 2.9, p-value 0.44 respectively).

Conclusion: Lidocaine injection in mesosalpinx had no effective intra-operative and post-operative pain relief in postpartum tubal sterilization under local anesthesia.

Keyword: Lidocaine injection in mesosalpinx, Post-partum tubal sterilization, Srinagarind Hospital

Oral

