

Efficacy of Lidocaine in Reducing Diazepam IV Injection Pain

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Purpose: Analgesia and sedation is an integral part of endoscopic procedures, and diazepam is commonly used drug, which causes moderate to severe pain at intravenous sites. The aim of this study is to determine if lidocain flush will reduce diazepam injection pain.

Method: Twenty consecutive patients undergoing endoscopy were prospectively and randomly assigned to receive either 1.5 cc of 1 % lidocain flush before IV diazepam or diazepam injection only. The patients were asked to grade the pain: No pain = 0, Mild = 1-3. Moderate = 4-6, and Severe = 7-10.

Results: In patients who received IV lidocain flush, no patients complained of pain. In the other group, nine out of ten patients complained of pain: four- severe, three- moderate, and two patients complained of mild pain, only one patient in the group had no pain.

Conclusion: Pre-medication with IV lidocain significantly decreases diazepam induced IV site pain without causing any untoward side effect or significant added cost.