



Imple Safe Single Digital Nerve Block Modified Intrathecal Digital Nerve Block is the Ideal Analgesia for Fingertip Injuries in A & E

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KEYWORDS :

Introduction:

Finger tip injuries are one of the frequent situation we face in emergency department. The common injuries are work spot injuries, trap door injuries, domiciliary injuries and retained foreign bodies. All of them need procedures ranging from simple dressing after debridement to fracture reduction and soft tissue reconstruction under analgesia. The objective of this study was to evaluate and analyse the effectiveness of intra thecal digital nerve.

Digital injury presenting in A&E



Body:

This study was conducted on a sample of 100 patients who attend casualty of ACS Medical college Hospital, Chennai. After the clinical examination and relevant investigations in the Operating Room under strict aseptic precautions 2cc of 2% xylocaine (after test dose) was injected with 24 gauge needle into the flexor tendon sheath at the level proximal to the proximal inter phalangeal joint. Pain was assessed using a visual analogue scale and verbal response score. The time to loss of pinprick sensation and extent of analgesia recorded for all the patients and analysed.

Results:

All the blocks were successful. Onset of analgesia starts in 12 seconds to 65 seconds (mean 19.4).

Extent—palmar aspect of the finger distal to the injection site, nail & nail bed complex and dorsum of the hand distal to the distal inter phalangeal joint.

Complete analgesia was achieved in 42 – 204 seconds (mean 159.9).

Conclusion:

Intra thecal injection route has the following advantages.

- Simple
- Single injection
- 100% Effective
- Safe-No significant morbidity with the procedure and the risk of injury to the neurovascular bundle is remote.

With the all above advantages we conclude that Intra thecal local analgesia is the choice of digital block to relieve pain over the finger tip and nail bed lacerations without infection.

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