ULTRASOUND-GUIDED INFRAORBITAL AND MENTAL NERVE BLOCK FOR POST-TOOTH EXTRACTION TRIGEMINAL NEURALGIA: A CASE REPORT

Niraj Kumar*, Arvind Chaturvedi, Keshav Goyal, , Ashish Bindra, Kandukury ShivaPriya
Neuroanaesthesiology & Critical Care,
All India Institute of Medical Sciences, New Delhi, India

Introduction

- **Trigeminal neuralgia is one of the most difficult pain syndromes to treat.**
- **Invasive treatments may be considered when patients fail to obtain adequate pain relief from noninvasive approaches**

AIM

- **Here, we present a case of post-tooth extraction trigeminal neuralgia in the maxillary and mandibular branch treated with ultrasound (US)-guided infraorbital and mental nerve blocks**

Case Presentation

- **A 43-year-old male presents with the chief complaint of left-side perioral pain.**
- **The patient had a history of tooth extraction 5 months ago.**
- **The pain severity was 10/10 on the visual analogue scale (VAS).**
- **The left-side infraorbital and mental nerve block was performed under US- guidance with the linear probe (6-13MHZ frequency) using a mixture of 2 ml of 2 % lignocaine and 20 mg triamcinolone.**

Results

- **The procedure decreased the pain immediately and pain severity was 1/10 on VAS. The patient showed satisfactory pain relief continuously over 3 months without any further interventions**

Conclusions

- **US-guided infraorbital and mental nerve block resulted in excellent outcomes with no adverse effects.**
- **Further randomized controlled studies are needed to demonstrate the safety and efficacy of this technique.**

Bibliography

- O. Y. Cok, S. Deniz, H. E. Eker, L. Oguzkurt, and A. Aribogan, “Management of isolated infraorbital neuralgia by ultrasound-guided infraorbital nerve block with combination of steroid and local anesthetic,” *Journal of Clinical Anesthesia*, vol. 37, pp. 146–148, 2017.