Numbee© - A Needle-less Local Anesthesia Delivery System - Case Reports

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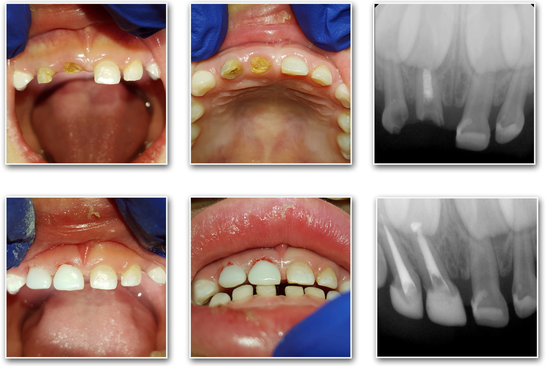
Introduction

- PDL anesthesia is comparable to inferior alveolar nerve block
- Successful results can be achieved for restorative, surgical and endodontic procedures
- Significantly less anesthetic dosage
- Significantly less pain than nerve block
- Proven supplemental technique for a tooth difficult to anesthetize
- PDL anesthesia success 65% to 86%
- Septocaine works better than Lidocaine
- 30-40 min of pulpal anesthesia

Numbee© Device Design

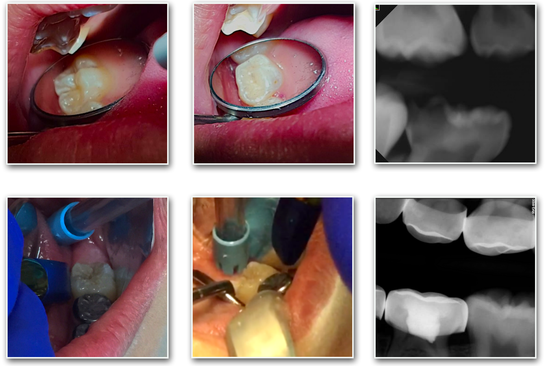
Case - I: Mesiodens Extraction

Case - II: Pulpectomy and Strip Crown



Case - III: Anterior Composite Restoration

Case - IV: Posterior Composite Restoration



Contraindication

- Immunocompromised patient
- Patient requiring antibiotic prophylaxis

Adverse Effects

- Post operative pain of mild severity
- Hyper-occlusion
- Swollen interdental papillae
- Extremely rare localized root resorption

Advantage of NumBee©

- Rapid onset of anesthesia
- Lower dose leads to lower chances of toxicity
- Tooth-specific anesthesia helps to reduce post local anesthesia soft tissue injuries (lip bite)
- Children can return to school with no oversight required by teachers

Conclusion

- Numbee© PDL system can be a comfortable & better alternative to the traditional syringe in routine restorative practice, especially in extremely apprehensive or needle-phobic patients.

NumBee