

Three dimensional canal obturation

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I. Introduction

The three-dimensional obturation of the root canal system is widely accepted as a key factor for successful endodontic therapy. A three-dimensional well-fitted root canal prevents percolation and microleakage of periapical exudate into the root canal space, prevents reinfection, and creates a favorable biological environment for healing to take place. One of the most important procedures during root canal treatment is the chemo-mechanical preparation of the root canal, based on the correct use of instruments and irrigating solutions.

The purpose of this presentation is to discuss three dimensional canal obturation via thorough canal irrigation.

II. Case Presentation

1. Sex/age : 36 / M
2. Chief Complaint : Referred from Dept of OMS d/t dento-alveolar abscess
3. Past Dental History : Orthodontic treatment with surgery
4. Present Illness : Multiple decayed state and Rt. facial swelling
5. Impression : periapical abscess on # 46
6. Tx Plan : Root canal therapy, extraction of retained roots

III. Conclusion

Every portal of canal exit is important, because every portal of exit is potentially significant in the development of pulpal-periodontal pathosis. We can achieve successful outcome of root canal treatment through proper chemo-mechanical preparation of the root canal.