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Nano surgical treatment for anterior teeth with large periapical lesion

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Aim: To investigate sign and symptoms, bactericidal effect for using diode laser 810 nm, and calcium hydroxide, povidone iodine on endodontically treated tooth with periapical abscess

Materials & Methods: Patient with tooth no.9 failed endodontic treatment with periapical abscess, X-ray, diode laser 810 nm, water irrigation, calcium hydroxide, povidone iodine, removing gutta percha from infected tooth, remaining and filling, laser fiber passed over the apical foramen 2 mm, 4 mm according to the size of lesion, lasing 2 sc then stop for 4 sc with water irrigation to avoid over heat, till 20 sc of lasing completed, apply calcium hydroxide dressing with povidone iodine, examine patient sign and symptom during 8 days, x ray after 6 months.

Result: The patient showed no swelling, severity of pain became less, however antibiotic and analgesic are recommended.

Conclusion: using diode laser in PERIAPICAL ABCESS IF WE REACH THIS AREA had less traumatic effect than using a flap, less healing time, with cooling technique consideration, and calcium hydroxide and povidone iodine with bactericidal effect on the lateral canal, we will get fine result.

Biography

Dheyaa .N.Obada has graduated from Baghdad university, college of dentistry at age 23 years and started his research work on APEX LOCATER in 2003 at Specialized Dental Center in MOROCCOR. Later from 2006 to 2007 he carried out the research on bleaching effect and post-operative pain. He later continued his research on methods and techniques that improve the success rate of endodontic treatment for 10 years in his private clinic in al-sadder city.

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