

Dentistry and Oral Health

June 12-13, 2017 London, UK

Emergency Treatment With Diode Laser for Endodontically Treated Tooth With Periapical Abscess Comparing with traditional surgical treatment

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

Material and Method: Patient with tooth no.9 failed endodontic treatment with periapical abscess,x ray ,diode laser 810nm,water irrigation ,calcium hydroxide ,povidone iodine ,removing gutta percha from infected tooth ,reaming and filling ,laser fibre passed over the apical foramen 2mm ,4mm according to the size of lesion ,,lasing 2sc 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 shows 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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