

Post obturation analgesia requirements in patients vaccinated against Covid-19 : a short observational study.

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Abstract

Aim: To evaluate the need for post-obturation analgesia requirements in patients vaccinated against COVID-19 in between the two-visit root canal treatment appointments.

Material and Methods: 50 patients vaccinated against COVID-19 after the first visit of pulpotomy and before the obturation visit, in between the two-visit root canal treatment for chronic symptomatic pulpitis in molar teeth, were divided into two groups of 25 each on the basis of gender (Group M for males and Group F for females). Each patient was given a prescription for 650 mg of acetaminophen tablets to be taken eight hours a day, with instructions to use the same only if needed for pain. They were instructed to keep a record of the number of tablets consumed as per record sheet 1, and if the pain did not subside, then a stronger analgesic, Ketorolac DT 10mg twice a day, had to be taken and recorded. In the event that the pain was accompanied by swelling, the patient was given a prescription of amoxicillin 500mg TDS along with analgesics.

Results: In Group M and Group F, the mean number of analgesic tablets required was C, 0.48 ± 0.77 and 0.48 ± 0.71 , respectively, and the difference was statistically insignificant ($p = 1$). The statistical analysis was done by a student's t-test using SPSS (Statistical Package for Social Sciences) Version 20.0 statistical analysis software.

Conclusion: Within the limitations of this study, it is concluded that acetaminophen 650 mg tablets are effective as an analgesic for post-obturation pain against COVID-19 in between the two-visit root canal treatment appointments. **Keywords:** NSAID's, Acetaminophen, Root Canal Treatment, COVID-19 Vaccination, Covishield