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# Valacyclovir in Pain Management of Acute Apical Abscesses: A Randomized Placebo-Controlled Double-Blind Pilot Study

## 8<sup>th</sup> APECA TUMS Online Endodontics Journal Club (WTZ)

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### ABSTRACT

**“Valacyclovir in Pain Management of Acute Apical Abscesses: A Randomized Placebo-Controlled Double-Blind Pilot Study”**

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**Objectives:** The purpose of this study was to evaluate the efficacy of valacyclovir in the management of acute apical abscesses. The study examined the potential of valacyclovir in the management of acute apical abscesses in emergency patients with moderate to severe pain. The study was a randomized, double-blind, placebo-controlled pilot study. The study included 20 patients who were randomly assigned to either amoxicillin (1 g immediate dose followed by 500 mg 7 days) + valacyclovir (2 g immediate dose followed by 500 mg 7 days) (“valacyclovir” group, 10 patients) OR amoxicillin (1 g immediate dose followed by 500 mg 7 days) + placebo (“placebo” group, 10 patients). The patients during the 6-day follow-up period assessed pain intensity and analgesic intake. The Mann-Whitney and the Friedman tests were used for statistical analysis.

**Results:** At the baseline examination, 10 patients in the valacyclovir group and 10 patients in the placebo group had moderate to severe pain and 18 patients in the valacyclovir group and 10 patients in the placebo group had severe pain and analgesic usage between the two groups was not significantly different. The results of the study showed that the valacyclovir group had significantly less pain and analgesic usage compared to the placebo group during the 6-day follow-up period.

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