

Effect of a Bioactive Material on Streptococcus Mutans Activity in Dentin

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Abstract

The aim of this study was conducted to evaluate between the effect of Biodentine and

Glass ionomer restorative materials; on Streptococcus mutans activity.

Methods:

32 specimens were prepared and equally divided into four main groups (n=8) Rock,

was carried

out by the Kirby-Bauer disc diffusion method according to CLSI recommendations 2014.

Results:

Showed that; Erythromycin with ketac fil restorative material showed the highest effect on streptococcus mutans activity, while the clindamycin with biodentine

showed; the lowest effect.

Conclusions:

The restorative material and antibiotic type and their interaction had a significant effect on streptococcus mutans activity.

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