

Efek penambahan gypsum pada material analog protein non kolagen CMC/ACP terhadap remineralisasi dentin. = The Effect of gypsum addition on analog material non collagen protein CMC/ACP toward dentin remineralization.

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Abstrak

ABSTRAK

Latar belakang: Carboximethyl Chitosan / Amorphous Calcium Phosphate (CMC/ACP) sebagai material analog non-protein mempunyai kemampuan remineralisasi dentin. Gypsum sebagai bahan pencampur yang dapat memudahkan aplikasi. Tujuan penelitian ini adalah melihat pengaruh penambahan gypsum pada material analog non-protein CMC/ACP. Metode: 27 kavitas dibagi menjadi 3 kelompok. Kelompok 1 dentin demineralisasi tidak diaplikasi bahan, kelompok 2 dentin demineralisasi diaplikasi CMC/ACP, kelompok 3 dentin demineralisasi diaplikasi gypsum+CMC/ACP. Diperiksa pada hari ke-14 menggunakan SEM-EDX. Hasil: gypsum tidak memengaruhi kemampuan material analog non-protein CMC/ACP dalam remineralisasi dentin.

ABSTRACT

Background: Carboximethyl Chitosan / Amorphous Calcium Phosphate (CMC/ACP) is analog material non-protein that have dentine remineralization ability. While Gypsum is mixing material that can facilitate the application. Objective of this study was to see the effect of gypsum addition on analog material non-protein CMC/ACP. Methods: 27 cavities were divided into 3 groups. Group 1 were dentine demineralization without any material applied. Group 2 were dentine demineralization with CMC/ACP material applied, and group 3 were dentine demineralization with gypsum + CMC/ACP material applied. Checked on day 14 using SEM-EDX. Result: Gypsum was not affect material ability of analog non-protein CMC/ACP in dentine remineralization.