

Pengaruh Larutan Irigasi Ekstrak Biji Anggur Terhadap Kebocoran Sepertiga Apeks Pengisian Saluran Akar = Influence of Grape Seed Extract Irrigation Solution to The Leakage of Root Canal Obturation in the Apical-third

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Abstrak

Latar Belakang: Penggunaan larutan irigasi dapat berkontribusi terhadap keberhasilan perawatan saluran akar, EBA mulai dikembangkan sebagai larutan irigasi Tujuan: menganalisis tingkat kebocoran pengisian saluran akar pada sepertiga apeks dengan siler berbasis resin. Metode: 66 gigi premolar bawah manusia, dibagi secara acak kedalam 3 kelompok: EBA 2,9%, NaOCl 2,625%, aquades. Dilakukan pengisian, diinkubasi sebelum dilapisi cat kuku, serta direndam kedalam tinta india. Dekalsifikasi dan transparansi dengan metode Robertson. Penetrasi tinta diukur dengan skala Panthamvonich. Hasil: Terdapat perbedaan bermakna tingkat kebocoran EBA 2,9% dibandingkan antar kelompok. Kesimpulan: Larutan EBA 2,9% mampu menurunkan tingkat kebocoran sepertiga apeks pengisian saluran akar

.....Background: Irrigation can contribute to the succes of root canal treatment, Grape seed extract developed as irrigation solution. Purpose: analyze apical third leakage of root canal filling. Methods: 66 mandibular human premolars, randomly divided into 3 groups, EBA 2.9%, NaOCl 2.625%, aquadest. Each group obturated using guttapercha and siler-based resin (37 0C for 24 hours). coated all of samples with nail polish, immersed into indian ink. Decalcified and transparency with Robertson's method. Evaluated and measured with Panthamvonich's scale. Results: There are significant differences grape seed extract leakage rate compared between groups. Conclusion: Grape seed extract solution 2.9% is able to reduce of apical third leakage of root canal filling