

Perbandingan kekuatan ikat teknik pengisian cold dan warm compaction menggunakan semen kalsium silikat = An In vitro comparison of calcium silicate-based sealer adhesion capability in cold and warm compaction obturation technique

Andari Putrianti, author

Deskripsi Lengkap: <https://lib.ui.ac.id/detail?id=20487235&lokasi=lokal>

Abstrak

ABSTRAK

Latar Belakang: Semen saluran akar Bioroot merupakan semen kalsium silikat terbaru yang memiliki kandungan kalsium silikat murni. Tujuan: Menganalisis perbandingan kekuatan ikat semen Bioroot pada teknik pengisian cold dan warm compaction.

Metode: Evaluasi kekuatan ikat menggunakan uji push-out bond strength. Hasil: Terdapat perbedaan bermakna nilai push-out bond strength antara kelompok cold dan warm compaction. Kesimpulan: Teknik pengisian cold compaction memiliki kekuatan ikat lebih baik dibandingkan warm compaction.

ABSTRACT

Background: Bioroot root canal sealer is the latest calcium silicate-based sealer that contain pure calcium silicate material. Purpose: To analyze adhesion capability of Bioroot in cold and warm compaction obturation technique. Methods: Evaluation of adhesion capability using push-out bond strength test. Result: There was a significant difference of push-out bond strength value between cold and warm compaction.

Conclusion: Cold compaction technique has a better adhesion capability than warm compaction technique.