

## Pengaruh pelebaran Korona saluran akar terhadap ketepatan lokasi Foramen apikalis pada dua sistem kerja Apex Locator = The effect of Coronal preflaring on the accuracy of two electronic Apex Locator in determining Apical Foramen

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### Abstrak

Latar Belakang: Penelitian mengenai pengaruh pelebaran korona saluran akar terhadap tingkat ketepatan apex locator hanya sedikit.

Tujuan: Membandingkan ketepatan lokasi foramen apikalis pada dua tipe apex locator dan menilai pengaruh pelebaran koronal saluran akar.

Metode: Panjang kerja 16 gigi premolar satu mandibula diukur secara visual, menggunakan dua jenis apex locator saat sebelum dan setelah dilakukan pelebaran korona saluran akar.

Hasil: Berbeda bermakna ketepatan pada tiap jenis apex locator setelah dilakukan pelebaran korona, namun tidak berbeda bermakna pada keduanya setelah pelebaran koronal saluran akar.

Kesimpulan: pelebaran korona saluran akar meningkatkan ketepatan apex locator mengukur lokasi foramen apikalis.

*Background: Only a few studies on the effect of coronal preflaring to the accuracy of apex locator.*

*Objective: To compare the accuracy of two types of apex locators and evaluate the influence of coronal preflaring in them.*

*Method: working length of sixteen first mandibular bicuspid were measured visually, using two types apex locator at before and after coronal preflaring.*

*Result: statistically significant of two type apex locators at before and after coronal preflaring, no statistically significant at both types after coronal preflaring.*

*Conclusion: coronal preflaring will increase the accuracy of apex locator in locating the apical foramen.*