

عنوان مقاله:

An in vitro comparison between the apical seal of thermafil with lateral and vertical condensation techniques in mesiobuccal root of maxillary molars

محل انتشار:

مجله دانشگاه علوم پزشکی کرمان، دوره 9، شماره 3 (سال: 1381)

تعداد صفحات اصل مقاله: 6

نویسندگان:

M KozeH-Kanani - Assistant professor

Y Nikian - Assistant professor

خلاصه مقاله:

the purpose of this study was to compare the apical seal mof thermafil with lateral and vertical condensation techniques in mesiobuccal root of maxillary first molars. ۲۴۵ upper first molarteeth were extracted.among them ۴۰ teeth were selected having ۲۰-۲۵ degrades of curve(according to schnider analysis) in apical one their of their mesiobuccal roots.these teeth were also selected so that the first measuring fill in all species was a number ۱۵ file.then the selected teeth were cut from CEJ by a metallic disc and the mesiobuccal roots were prepared up to number ۳۰ file using step back technique.after this stage the teeth were divided into ۵ gtoups.group A:۱۰ teeth that their mesiobuccal canals were obturated by lateral condensation technique.group B:۱۰ teeth that their mesiobuccal canals were obturated by vertical condensation technique.group C:۱۰ teeth that their mesiobuccal canals were obturated by thermafil.group D:۵ teeth as negative control group.group E:۵ teeth as positive control group.after coating the negative control roots by ۲ layers of nail polish completely and also the teeth of group A,B,C,D nad E by ۲ layers of nail polish except of their apical ۱.۵ mm,the teeth were incubated and placed within india ink vertically for ۴۸ hours.then the mesiobaccal roots were sectioned buccolingually and the amount of dye penetration was measured by stereomicroscope.the data were evaluated by statistical analysis(kruskal wallis).the apical seal from thermafil was significantly lower than lateral and vertical condensation techniques in mesiobuccal roots.

کلمات کلیدی:

thermafil, lateral condensation, vertical candensation, mesiobuccal root

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/1932084>

