

Perubahan kadar flour saliva setelah restorasi semen ionomer kaca (SIK) pada gigi premolar muda secara in vitro

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Abstrak

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Glass ionomer cement (GIC) is fluor containing restorative material which can inhibit carious lesion. This study was performed too observe salivary fluoride change in artificial saliva. Twenty premolars were restored with GIC and immersed in Fusayama artificial saliva (15 ml, pH 6,8) for 1, 2, and 3 days. Unrestored part of teeth was coated with varnish. Fluor contents measurement were performed by taking 5 ml of artificial saliva of each group and being measured with spectrophotometer. The result showed that the highest fluor contents ($3,317 \pm 0,168$) was on the 1st day of immersion and significantly decreased in the second and third day ($2,267 \pm 0,72 \pm 1,455 \pm 0,186$, alternatively). It was concluded that fluor was released from GIC restoration and the release was decreased with time.