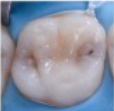















COPY & PASTE.

The protocol

#	picture	description	materials
1		only primary occlusal caries lesions are suited for the copy & paste technique, rubberdam application	class-I primary caries lesion
2		clean occlusal surface from old sealants or debris with (ultra)sonic tips (air-abrasion will create too much retention, therefore a separator is needed before creating the stamp)	ultrasonic scaler tip sonic flex with komet SF849
3		create a stamp with a luting composite, apply a micro brush in the composite as retainer before light curing	ultradent block-out resin micro-brush
4		open cavity with a small diamond and excavation from outside in	komet 849 314 010 komet H1SEM 204 010 / 016
5		check peripheral seal zone with caries detector dye	kuraray caries detector
6		air-abrasion with aluminium oxide (29um), always protect neighbouring teeth with metal strips or matrices	aquacare twin aluminium oxide 29um
7		enamel etching for 30 sec and dentine etching for 10 sec, rinsing for 30 sec	ultradent ultra-etch
8		applying primer for 20 sec and suction dry only, apply a second layer of primer when the dentine appears very dry, next apply bonding for 20 sec and light cure 40 sec	kerr optibond fl
9		resin coat (rc) of 0.5mm flowable and first layer of dentine composite (A3.5), light cure 40 sec	kuraray majesty es high flow shofu beautifil II LS A3.5
10		second layer of composite, no light cure	shofu beautifil LS A2
11		apply some modelling liquid (thin) on the stamp and remove excess with air syringe, firmly apply stamp into the soft composite	gc modelling liquid
12		remove stamp and excess composite when necessary, use brushes to smoothen the margins, light cure for 40 sec	tokuyama brush no. 24
13		use tints to recreate a natural look and light cure for 40 sec	shofu lite art black brown tokuyama estelite color white shofu beautifil flow plus x bw
14		often finishing and polishing are not necessary, removing the oxygen inhibition layer with light curing for 40 seconds after glycerine gel is important	johnson & johnson k&y jelly