Tetric Ideal Makoo Flow Excite (SBMP) Scotch Bond Multipurpose CEJ V SBMP (IS) (IE) Excite (TS) SBMP . (TE) Excite $(\alpha = 0.05)$

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().

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() Asmussen

Bis-GMA ().

().

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Grossman

()

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SBMP (IS). (Vivadent SBMP () (TS) . Schaan, Liechtenstein) Tetric flow Vivadent Schaan, Liechtenstein) (IE) . Excite Excite .(TE) % Excite DEJ

Tetric Flow Ideal Makoo

. % °c

. %./ . P<0.05 CEJ

Wall-

Chi square

Ideal Makoo	Tetric Flow	Excite	SBMP	
/	1	/	/	Chi-Square
				a.b
./	./	./	./	

 $(\alpha = 0.05)$

()

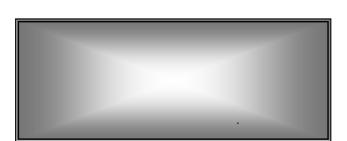
% \$% \$% \$% . \$% $(\alpha{=}0.05$)

CID :

(). SBMP Syntac SBMP Excite Excite total etch . () . () Fitchie Pilo Yap . ()) (

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Tetric Flow



Excite SBMP

V

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Laboratory comparison of microleakage of Ideal Makoo and Tetric Flow composites using two dentin adhesives

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Abstract

Introduction: This study evaluated the degree of microleakage of Ideal Makoo and Tetric Flow composites using two dentin adhesives of Scotch Bond Multipurpose (SBMP) and Excite.

Materials &Methods: 60 premolar teeth were divided in to four groups of 15. and class V cavity preparations were done in CEJ. Group 1 was restorated with SBMP and Ideal Makoo, Group II with SBMP and Tetric Flow, Group III with Excite and Ideal Makoo, and Group IV with Excite and Tetric Flow. Stereomicroscope (X40) was used to evaluate and dye penetration in occlusal and gingival margins. Chi Square test, Pearson's correlation test and Fisher's exact test were used for data analysis (α = 0.05).

Results:

- 1- The degree of leakage was not in correspondence to the type of composite.
- 2- The degree of leakage was not in correspondence to the type of dentin adhesive.
- 3- In four groups, the degree of leakage in gingival wall was significantly more than occlusal wall.

Type of composite and dentin adhesive have no effect on degree of leakage. The important factor is the type of wall. It means that in class V restorations, gingival wall is always observed to have more microleakage than occlusal wall.

Key Words: Microleakage, composite resin, dentin adhesive bonding

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Chi square

Ideal Makoo	Tetric Flow	Excite	SBMP	
/	/	/	1	Chi- Square a.b
./	./	./	./	

