

LABORATORY TESTING OF ADHESION OF NEW EXPERIMENTAL DENTIN BONDING SYSTEM.

Hany shams El Dain Salama* H.SH. ,Kunzelmann**, K.H.,Hickel***.R.

Abstract:

Shear bond strength to dentin of an experimental bonding agent (Espe bond) and new dentin bonding agents liner bond 2 (Cavex) and bond it (Jenric/Pentron) was compared to scotch bond MP+ and Syntac bonding agents. The bonds achieved reported 26.1 ± 3.2 MPa (Z100/SBMP+) 21.1 ± 3.3 MPa (Z100/Bon it), 18.2 ± 4 MPa (Pertac/Espe) 11.9 MPa ± 1 MPa (Cler/LB.2) and 7.6 ± 2.3 MPa (Tetric/Syntac). One way analysis of variance revealed significant difference between all groups at level, 05.

*Associate Professor Cairo University, Cairo. Egypt.

** Oberarzt Ludwig Maximilian University Munich Germany.

***Professor and head of conservative department Ludwig - Maximilian University. Munich Germany.