THE EFFECT OF SURFACE MOISTURE ON DENTINAL SHEAR BOND STRENGTH OF GLASS IONOMER **RESTORATIONS IN PRIMARY TEETH:** AN IN -VITRO STUDY

Aim

- To evaluate the effects of surface moisture on dentinal shear bond strength of GC Fuji IX on primary teeth
- 3 different drying techniques at 3 different time intervals

4.0547 4.0687 3.2653 5 Seconds 10 Seconds

Materials and Methodology



Statistical analysis of data

- ANOVA to compare the means of the shear bond strength among different drying techniques and times.
- Post hoc analysis for intergroup comparisons

AIR DRY BLOT DRY SUCTION DRY

45 Specimens

AIR DRY

15 specimens each



primary teeth

GROUP 2

45 Specimens

BLOT DRY



SUCTION DRY

GROUP 3

45 Specimens

Conclusion

- Surface moisture plays significant role
- Air-dry group: 5 s > 10 s > 2 s.
- Blot-dry suction-dry and groups 10s > 5s >2s
- Air dry> Suction dry> Blot dry
- Statistically significant only in the 5 s group.

