Rubber Dam Use during Post Placement Influences the Success of Root Canal–treated Teeth

Author: Goldfein et al  
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Aim
- To investigate whether the use of rubber dam during the placement of prefabricated posts and cores affected the outcome of RCT.

Materials & Methods
- 200 teeth that had RCT without PAR prior to treatment were included in this study.
- Group A: Rubber dam used during post placement (26 teeth)
- Group B: No Rubber dam used during post placement (174 teeth)
- Teeth were reviewed radiographically 6 months to 5.75 yrs after treatment
- Presence of PAR during review indicated unfavorable outcome
- The treatment outcome of the two groups was statistically analyzed.

Results
- Group A: 26/ 28 teeth had no PAR on follow ups (93.3%)
- Group B: 128/174 of the teeth had no PAR on follow ups (73.6%)
- The difference was statistically significant for outcome of treatment (p=0.035)
- No significant association with time of follow-up.

Conclusion
- The use of rubber dam during post placement provides a higher rate of favorable outcomes for RCT.
- Rubber dam should be used during restoration of RCT teeth

Authors
Joshua Goldfein, Chad Speirs, Matthew Finkelman & Robert Amato

By: Dr. Paul Abbott