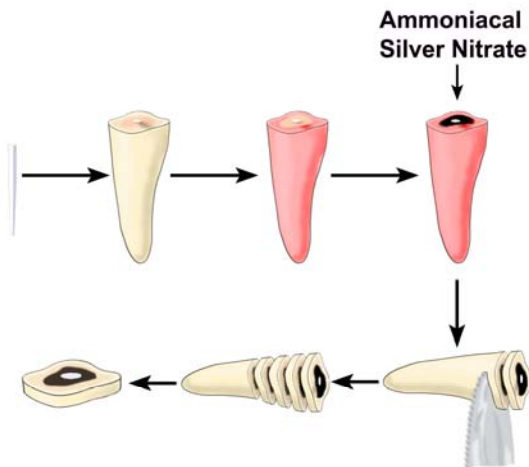


Sealing Ability of Fiber Posts

Jorge Perdigao

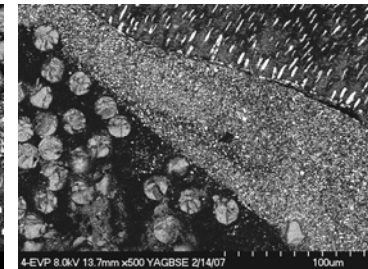
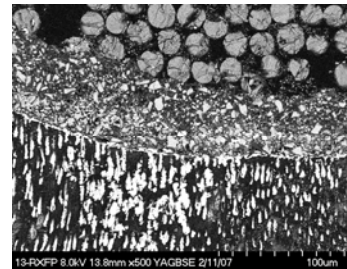
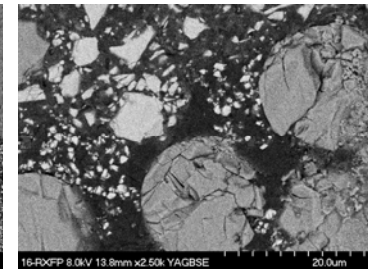
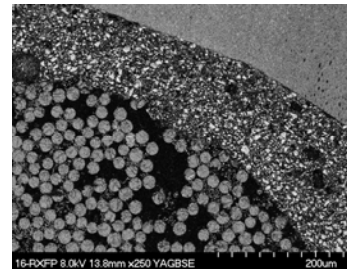
Department of Restorative Sciences, School of Dentistry, University of Minnesota
NNIN Facility utilized: Characterization Facility

- ◆ Compare fiber-reinforced posts used to restore root canal-treated teeth
- ◆ Test their sealing ability (prevent microleakage into the root canal) using ammoniacal silver nitrate under the backscattered FESEM



MAJOR OBSERVATIONS

- ◆ None of the post systems prevented infiltration of silver ions;
- ◆ The new Eglass-based fiber post does not perform at the level of existing post systems.



Publications

- ◆ PERDIGÃO J, SANTOS V, GOMES G, SILVA A. Sealing ability of three fiber posts. 2008 AADR meeting, abstract #1063 (accepted).
- ◆ SANTOS V, PERDIGÃO J, GOMES G, SILVA A. Sealing ability of three fiber posts. Journal of Prosthodontics, submitted.