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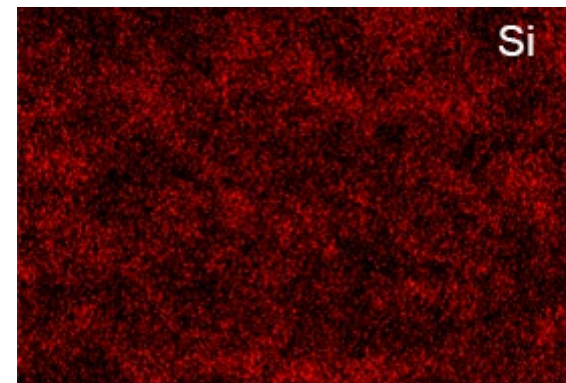
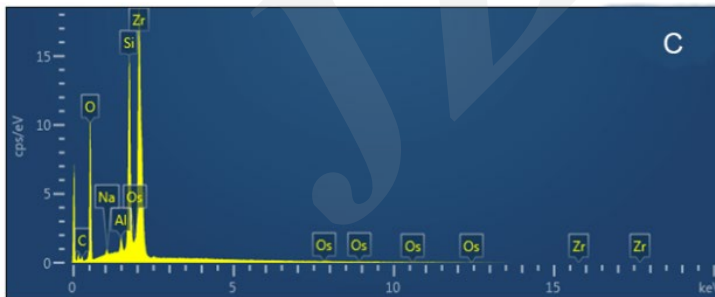
A novel porous silica-zirconia coating for improving bond performance of dental zirconia

Key words: Silica-zirconia coating, Zirconia, Bond performance, Shear bond strength

Research Summary

This study prepared a stable silica-zirconia suspension, and created a porous silica-zirconia coating on zirconia substrate using a dip-coating technique. The silica-zirconia coating improved bond performance of zirconia.

- Well-dispersed suspension
- Porous silica-zirconia coating
- Silica-containing coating



Innovation points

- Preparation of the well-dispersed silica-zirconia suspension
- Forming of porous silica-zirconia coating on zirconia surface
- utilization of dip-coating technique

