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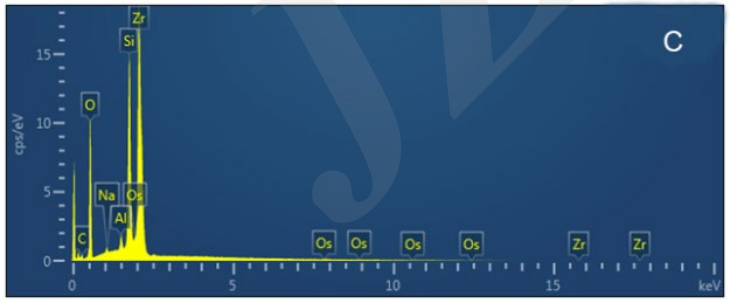
A novel porous silica-zirconia coating for improving bond performance of dental zirconia

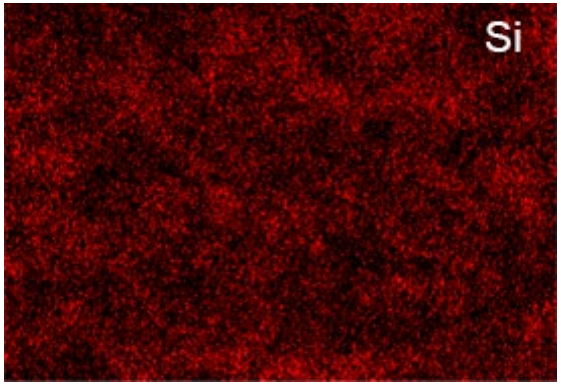
Key words: **Silica-zirconia coating, Zirconia, Bond performance, Shear bond strength**

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

