TECHNICAL TIPS
CEMENTING AN ALL-ZIRCONIA OR PFZ CROWN

1. Try in zirconia-based restoration

2. Rinse saliva out of restoration

3. Place Ivoclean in restoration for 20 seconds and rinse.

4. Cement restoration with Ceramir
OR place Z-Prime Plus/Monobond Plus and use cement of your choice

Like most metals, zirconia exhibits a strong affinity for phosphate groups. Unfortunately, saliva also contains phosphates in the form of phospholipids, so when a zirconia crown or bridge is tried in the patient's mouth and comes in contact with saliva, the phosphate groups in the saliva bind to the zirconia oxide and cannot be rinsed out with water. Attempting to use phosphoric acid (which is full of phosphate groups) to "clean" the saliva out only makes the problem worse.

Ivoclean (Ivoclar), a zirconia oxide solution, successfully removes these phosphate groups from the interior of a zirconia restoration. The free zirconia oxide in the Ivoclean acts as a sponge and once rinsed out provides a fresh bonding surface.

ADJUST ALL-ZIRCONIA RESTORATIONS WITH A FINE GRIT DIAMOND USING LIGHT PRESSURE TO AVOID POTENTIAL MICROFRACTURES

OPENING EMBRASURES ESPECIALLY USING A DIAMOND DISC CAN LEAD TO FAILURE

A football-shaped bur is most effective for adjusting occlusion on the occlusal surfaces of posterior teeth and lingua surfaces of anterior teeth

A tapered bur is most effective for adjusting proximal contacts.

A round bur is used to adjust a cusp or fossa and for creating endodontic access

Using light pressure and no water, begin pre-polishing with the brown cup. This will remove abrasions left by the diamonds during adjustment. The brown cup can also be used alone for minor adjustments if you don't want to use a diamond bur.

Continue polishing with the blue cup until a more glossy look appears over the adjustment areas.

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