

CASE STUDIES

BEFORE



AFTER



CASE STUDY 1

This patient fractured a porcelain all-ceramic crown on the second molar and chipped the first molar. Both crowns were replaced with BruxZir.

BEFORE



AFTER



CASE STUDY 2

As you can see in the after photo, the BruxZir bridge has acceptable esthetics. Because it is virtually unbreakable and because the patient has already broken two PFM bridges in the past, this was the most appealing solution.

BEFORE



AFTER



CASE STUDY 3

This female patient presented with a predominantly base metal bridge, which her dentist prescribed after she fractured the porcelain on each of the abutment teeth on the previous restoration. The patient always disliked how it looked and desired a more esthetic, long-term option. Because her PFM restorations had fractured before, a high-strength BruxZir Solid Zirconia bridge was prescribed.

BRUXZIR® SOLID ZIRCONIA CHAIRSIDE GUIDE



Product Summary

Material: Solid monolithic zirconia

Indications:

	Crown	Bridge	Inlay/Onlay
Anterior	✓	✓	✓
Posterior	✓	✓	✓

Esthetics: Moderate to low translucency

Strength: 1,465 MPa

Preparation: Feather, chamfer or shoulder preparation. A minimum of 0.5mm reduction is required

Cementation: Resin reinforced glass ionomer cement

Lab Fee: \$129

Lab Time: 5 days

1-800-368-8482

www.dentalmasters.com

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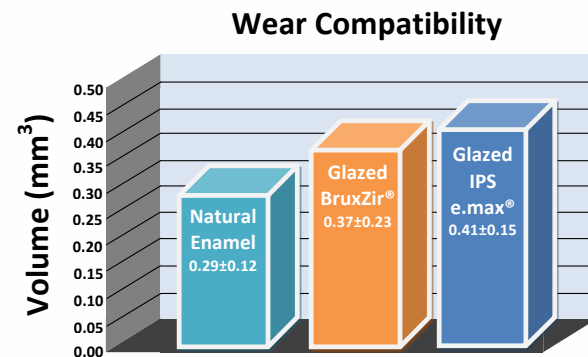
BRUXZIR® SOLID ZIRCONIA

Since its introduction in 2009, over 1.5 million BruxZir restorations have been placed worldwide. When compared with Cast Gold and PFMs, BruxZir offers lower lab fees, ease of use and superior esthetics.

Material Science

BruxZir is a monolithic solid zirconia restoration with no porcelain overlay. Designed and milled using CAD/CAM technology, BruxZir is sintered for 6.5 hours at 1,530 degrees Celsius. The final restoration is nearly unbreakable, with an extraordinarily high flexural strength of 1,465 MPa.

Because zirconia is known for its strength, doctors are often concerned about its potential wear factor. However, it is actually surface smoothness that determines antagonist erosion, and not the material's underlying strength. This fact was highlighted by the results of a study at the University of Alabama at Birmingham, which revealed that properly polished BruxZir and glazed IPS e.max ceramic produce equal levels of enamel wear.



Indications and Contraindications

BruxZir is indicated for crowns, bridges, inlays and onlays. It is an esthetic alternative to PFM metal occlusal or full-cast restorations.

The chip-proof durability of BruxZir is ideal for patients with bruxism or those who lack the interocclusal space for a PFM.

BruxZir is most commonly prescribed on 1st molars, 2nd molars and bi-cuspids. It can also be used for anterior teeth. Facial porcelain can be applied for ideal esthetics.

PREPARATION: BruxZir is compatible with a conservative feather margins, and also works well with chamfer or shoulder margins. At least 0.5 mm of reduction is required.

CEMENTATION: Use a resin-reinforced glass ionomer cement (e.g., RelyX Luting Cement, GC Fuji Plus) or a resin cement for short or over-tapered preparations (e.g., RelyX Unicem, Multilink Automix, Ivoclar; Panavia F2.0, Kuraray).

Clinical Tip: You can bond BruxZir on non-retentive preps. Just use the silane, Z-PRIME Plus, from Bisco, Inc. (800-247-3368)



“ I have been prescribing BruxZir and have been very impressed with the fit and esthetics. I don't do PFMs on molars anymore and do very few gold crowns, too. This is a leap forward! ”

– DR. TIMOTHY PERCAPIO,
MECHANICSBURG, PA



ADJUSTMENT: Adjust BruxZir restorations using water and air spray to keep the restoration cool and to avoid micro-fractures with a fine grit diamond. If using air only, use the lightest touch possible when making adjustments. A football shaped bur is the most effective for occlusal and lingual surfaces; a tapered bur is the ideal choice for buccal and lingual surfaces.

Polish BruxZir restorations with the porcelain polishing system of your choice. Or purchase the **AXIS Dental BruxZir Adjustment & Polishing Set** (LS-7579) through your dealer or by calling 800-355-5063.

- Begin by pre-polishing using light pressure and no water with the green polishing cup. This will remove abrasions left by the diamonds during adjustment. The green cup may also be used alone for minor adjustments.
- Use the blue cup to create the initial high shine. Using light to medium pressure and enough water to create a slurry, you will see the glossy look reappear on the restoration.
- Finally, use the yellow cup at medium to light pressure to achieve a “wet” shine. The edge of the cup may also be used to polish the marginal ridges of the BruxZir restoration. Visit www.bruxzir.com for more information

REMOVAL: Removal of a BruxZir crown is simple and straightforward using the diamonds in the BruxZir Adjusting & Polishing Set. To view a video on removal, go to BruxZir.com, click on “Videos” and watch the video titled “Removing a BruxZir Crown.” (Running time: 4:31)

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