

BEYOND INNOVATION

PEDIATRIC CROWN PERFECTION



NuSmile® **ZR**
ZIRCONIA

Tested. Trusted. **True.**

UNIQUE PROPERTIES THROUGH PATENTED INJECTION MOLDING

*Less tooth reduction than other brands.**

Sandblasted intaglio surface for **superior retention**

Highly polished to create a smoother surface for less plaque buildup

Nature-replicating esthetics, **ultimate durability** and **easy placement**

Avoid any contamination with blood or saliva using Try-In crowns

Scientifically proven to wear comparable to natural primary enamel

Consistent thickness and uniform particle size to prevent fracture



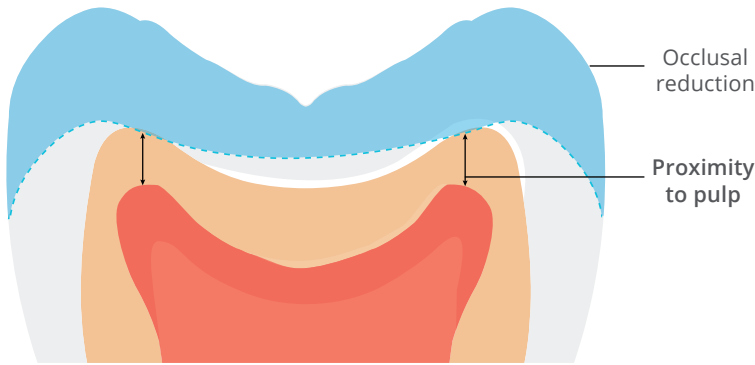
*Wilson, C., Versluis, A., Tantbirojn, D., & Wells, M. (2021). Pilot Study of Tooth Structure Removed in Primary Molar Zirconia Crown Preparations of Typodont Teeth. Recent Progress in Materials, 03(02), 1-1. doi:10.21926/rpm.2102020

! THE PULP IS NOT FLAT !

NuSmile ZR posterior crowns have a uniform, thin occlusal anatomy that follows the contours of the natural tooth's occlusal surface, resulting in less chance of pulpal exposure compared to the "Flat-fit" design of some other crowns. Competitive brands of zirconia posterior crowns with a "Flat-fit" occlusal design have been prone to case failures possibly due to iatrogenic pulpal exposures.

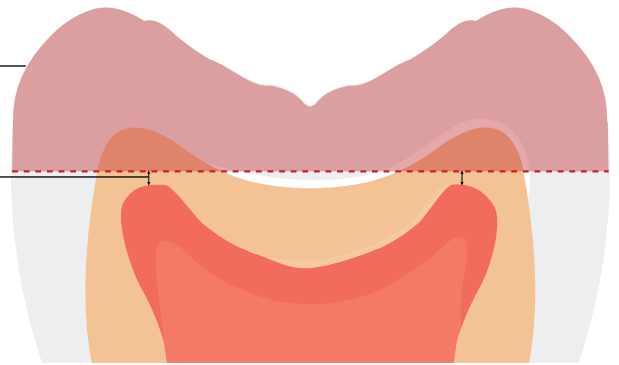
WHY RISK IT ?

NuSmile
CONTOUR-FIT



- **Less chance of pulpal exposure** due to the natural contours of the NuSmile's ZR crown
- **Less tooth reduction required.** 1-1.5mm total reduction following the natural occlusal contours

Other brands
FLAT-FIT

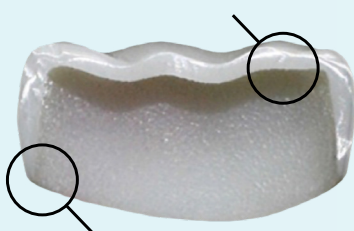


- **Maybe prone to case failure** due to iatrogenic pulpal exposure
- **More tooth reduction required**

MINIMUM THICKNESS MAXIMUM STRENGTH

NUSMILE ZR

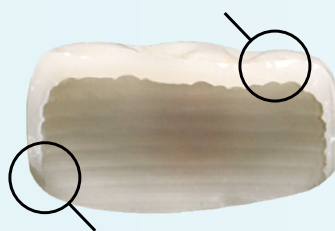
THINNER OCCLUSAL



0.2mm margin

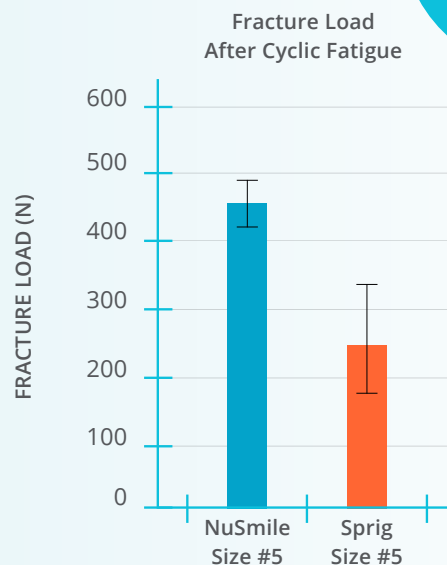
SPRIG

THICKER OCCLUSAL



0.5mm margin

2X HIGHER
FRACTURE
LOAD



SUPERIOR SCIENCE FOR PRIMARY TEETH

Made of zirconia ceramic, **NuSmile ZR** offers superior nature replicating esthetics, ultimate durability and easy placement. NuSmile ZR and matching Try-In Crowns are part of an easy and convenient complete zirconia crown system that delivers the results you want for your patients.



Dr. William Waggoner



Dr. Sung-Ki Kim



Dr. Osama El Shahawy

NuSmile ZR Anterior and Posterior Crowns

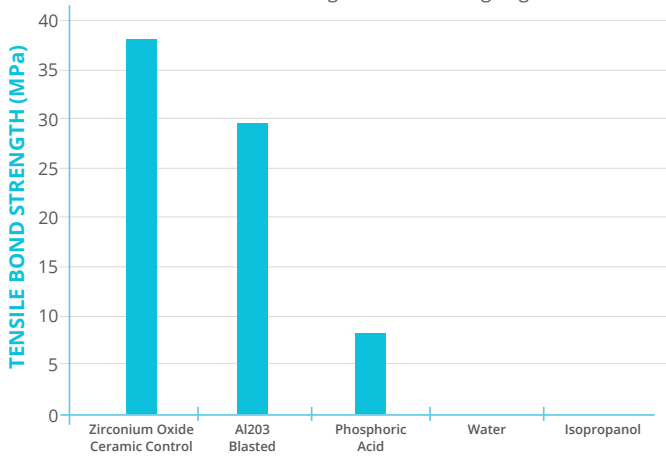
Get a scientifically proven grip

Intaglio surface mimics sandblasting to provide maximum surface area and mechanical retention for cement adhesion. A sandblasted surface has been scientifically proven as superior for retention to zirconia and is used for custom fabricated zirconia crowns throughout dentistry.



TRY-IN CROWNS & SCIENTIFICALLY PROVEN INTAGLIO RETENTION

Saliva Contamination (60 seconds) Effect on Zirconium Oxide Ceramics Following Various Cleaning Regimes



Influence of saliva contamination on zirconia ceramic bonding; Dent. Mater. 24, 508 (2008) Kern et al

NuSmile TRY-IN Crowns

"Why wouldn't you use it?" - Dr. David Evans



Try-In crowns help eliminate extra cleaning steps recommended for achieving successful zirconia restorations by avoiding any contamination with saliva or hemorrhage which would otherwise significantly reduce cement retention with any zirconia crown.

THE ONLY ZIRCONIA PEDIATRIC CROWN with 3 year prospective clinical results

Prospective Randomized Clinical Trial of Primary Molar Crowns: 36-Month Results

Am J Dent 2020:33(3) - K. Donly, C. Contreras, M. Jose Cervantes Mendez, J. Liu

IN CONCLUSION

// The findings from this study indicated that at 36 months, NuSmile ZR zirconia crowns clinically performed as well as SSCs. //



Contact Information



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