

BEYOND INNOVATION

PEDIATRIC CROWN PERFECTION.



NuSmile® **ZR**
ZIRCONIA

Tested. Trusted. **True.**

PERMANENT MOLARS LOOK BETTER IN WHITE

NuSmile's new Permanent Molar Crowns were created with the purpose of providing an esthetic, full-coverage solution to using stainless steel crowns for Early Childhood and Adolescent Tooth Decay and Molar Incisor Hypomineralization/Hypoplasia (MIH). Now your patients can have an esthetically pleasing option that allows them to smile with confidence. These crowns are built to last throughout their developmental stages of life from early childhood to growing up as young adults.



Dr. Alejandro Ramirez
36 month Post Op



Dr. Jorge Casián
28 month Post Op



Dr. Paul Bahn
18 month Post Op

The ideal solution for (MIH)

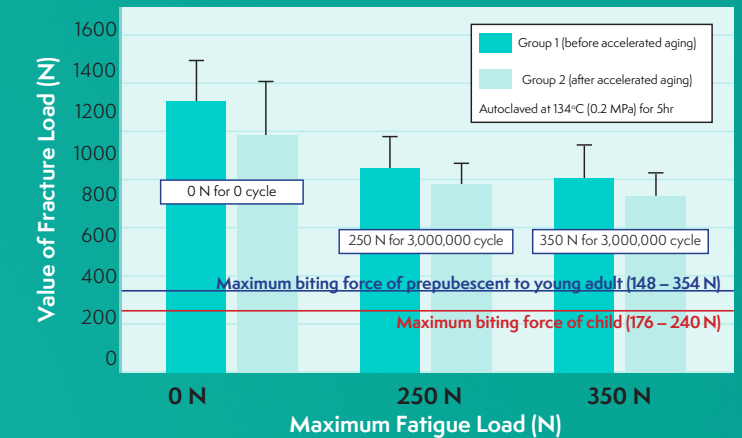
NuSmile ZR Permanent Molar Crowns withstand maximum biting forces from the age of early childhood to young adult. Easy to use - conservative preparations compared to lab fabricated crowns leaving tooth uncompromised for future custom restoration.

Maximum Bite Force Analysis in Different Age Groups

AGE GROUP	MALE (bite force in newtons)	FEMALE (bite force in newtons)
Prepubescent	354.01	243.71
Pubescent	285.84	227.34
Postpubescent	238.03	148.73
Young Adult	262.28	345.26

P Takaki, M Vieira, S Bommarito. Maximum Bite Force Analysis in Different Age Groups. Int Arch Otorhinolaryngol 2014;18

Value of Fracture Load after Cyclic Fatigue Testing NuSmile ZR



Sponsored Research Agreement

I've been working with these NuSmile permanent molar crowns for over 3 years and they've exceeded my expectations.

- Paul Bahn, DMD
Pediatric Dentist

Want to Learn More? Visit the link below for a complimentary webinar

nusmile.com/handson_webinar

NuSmile ZR vs Cerec Crown



PREFERRED BY PARENTS AND PATIENTS

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

All NuSmile crowns do a wonderful job of maintaining the proper anatomy and mimicking the natural dentition.

- David Evans, DMD
Pediatric Dentist

THE ONLY ZIRCONIA PEDIATRIC CROWN with 2 and 3 year prospective clinical results

Prospective Randomized Clinical Trial of Primary Molar Crowns: 24-Month Results

Pediatr Dent 2018;40(4) - K. Donly, I. Sasa, C. Contreras, M. Jose Cervantes Mendez

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

“There were no clinical failures of the zirconia crowns at 3 years.”

“Parent satisfaction was 100% for the zirconia crowns.”

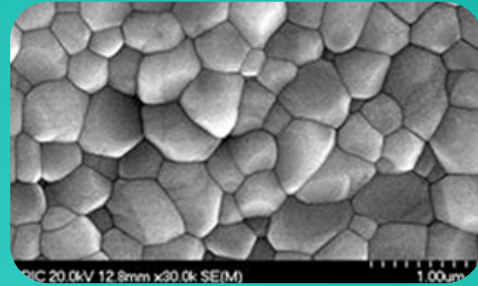
IN CONCLUSION,

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



NuSmile[®] ZR mandibular primary first molar crown at 36-months

Patented injection molding delivers unique, scientifically proven properties not possible with other brands - uniform particle size for strength, highly retentive intaglio bonding surface, knife-edge margins and minimal crown thickness.



Uniform dense construction resists fracture and show through



0.75 – 0.80mm maximum thickness
0.2mm margins
Thin margins and minimal overall thickness for less tooth reduction

Intaglio surface mimics sandblasting providing maximum surface area and mechanical retention for cement adhesion with any cement.

- No hemorrhage or SDF show through
- Minimal tooth reduction (0.5-1mm avg.)
- Superior esthetics and biocompatibility
- Ultimate zirconia durability
- Proven results - 7 years and counting
- Backed by clinical results

RULE RESTORATIONS WITH NUSMILE TRY-INS



NuSmile's Try-In Crowns are a simple and elegant tool for quicker, more efficient restorations. Try-In Crowns are precision manufactured to be identical in size and shape to NuSmile ZR crowns for trial fitting and preparation refinement. Try-In Crowns eliminate any contamination with saliva or hemorrhage which is proven to greatly increase cement retention to zirconia

- Included with all NuSmile ZR kits
- Ensures ideal fit and retention
- Autoclavable for repeated use
- Eliminates contaminating valuable crowns
- Reduces extra steps saving chair time
- Pink finish to distinguish from actual crown

PASSION MAKES PERFECT SMILES

TESTED:

- NuSmile ZR crowns work with any cement
- NuSmile ZR's, consistent thickness and uniform particle size prevent fracture associated with competitors crowns
- Can withstand the bite force of children of all ages
- Wears comparable to natural enamel
- A superior esthetic alternative to traditional SSCs

TRUSTED:

- Science-backed crown design
- Independently tested
- Try-In crowns do the dirty work - no cleaning, no contamination

TRUE:

- Esthetics that parents and children love
- Durability and ease of use dentists depend on

PEDIATRIC (PRIMARY TOOTH) KITS



PERMANENT MOLAR KITS

MASTER KITS

