





It's ceramic

**Soft-tissue friendly<sup>1</sup>**

**An alternative  
to titanium**



It's unique

**100% metal-free**

**Cement-free  
internal  
connection**

**Two-piece  
screw-retained**

Integrated  
into the  
Nobel Biocare  
Digital  
Workflow

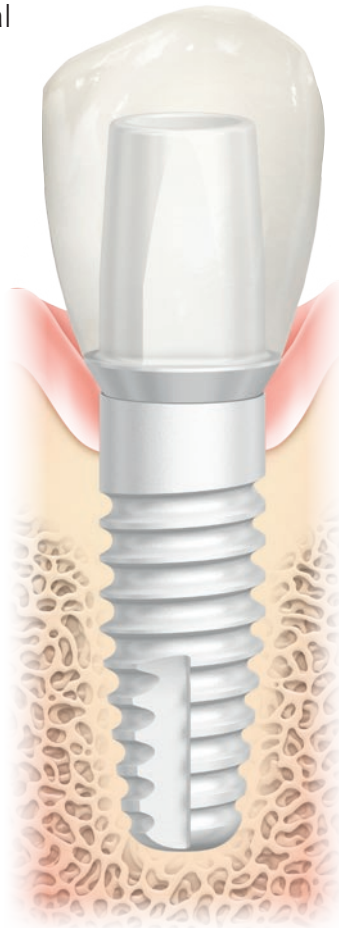
Soft-tissue  
friendly

## Natural esthetics

Zirconia is beneficial in patients with a thin mucosal biotype<sup>2</sup>

## Soft-tissue adhesion

Designed for excellent soft-tissue attachment and low inflammatory response<sup>1</sup>



## In harmony with soft tissue

Microcirculatory dynamics in peri-implant mucosa around zirconia were shown to be comparable to those around natural teeth<sup>3</sup>

## Low plaque

Zirconia has demonstrated low plaque affinity<sup>1,4,5</sup>

Peace  
of mind

**High-performance  
VICARBO® screw**

Metal-free carbon  
fiber-reinforced  
polymer

**Proven osseo-  
integration with  
ZERAFIL™ surface<sup>6,7</sup>**

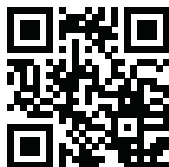
Sand-blasted,  
acid-etched,  
hydrophilic



**Milled from strong  
ATZ zirconia**

Higher bending  
strength than  
TZP zirconia<sup>8</sup>





[nobelbiocare.com/pearl](http://nobelbiocare.com/pearl)

## References

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- 3 Kajiwara N, Masaki C, Mukaibo T, et al. Soft tissue biological response to zirconia and metal implant abutments compared with natural tooth: microcirculation monitoring as a novel bioindicator. *Implant Dent* 2015; 24(1):37–41.
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- 5 Rimondini L, Cerroni L, Carrassi A, et al. Bacterial colonization of zirconia ceramic surfaces: an in vitro and in vivo study. *Int J Oral Maxillofac Implants* 2002; 17:793–798.
- 6 Chappuis V, Cavusoglu Y, Gruber R, et al. Osseointegration of zirconia in the presence of multinucleated giant cells. *Clin Implant Dent Relat Res* 2016; 18(4):686–698.
- 7 Jank S, Hochgatterer G. Success rate of two-piece zirconia implants: a retrospective statistical analysis. *Implant Dent* 2016; 25(2):198.
- 8 Metoxit data sheet/data on file

