



It's ceramic

Soft-tissue friendly¹

**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

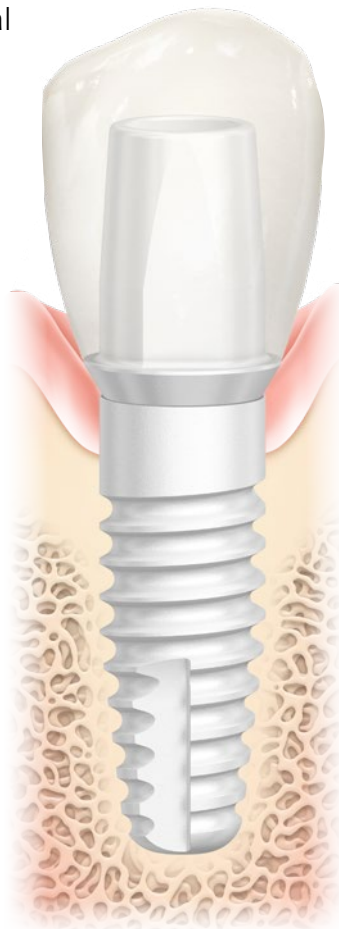
Soft-tissue
friendly

Natural esthetics

Zirconia is beneficial in patients with a thin mucosal biotype²

Soft-tissue adhesion

Designed for excellent soft-tissue attachment and low inflammatory response¹



In harmony with soft tissue

Microcirculatory dynamics in peri-implant mucosa around zirconia were shown to be comparable to those around natural teeth³

Low plaque

Zirconia has demonstrated low plaque affinity^{1,4,5}

Peace
of mind



**High-performance
VICARBO® screw**

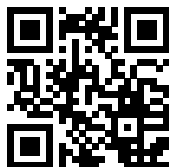
Metal-free carbon
fiber-reinforced
polymer

**Milled from strong
ATZ zirconia**

Higher bending
strength than
TZP zirconia⁸

**Proven osseo-
integration with
ZERAFIL™ surface^{6,7}**

Sand-blasted,
acid-etched,
hydrophilic



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.
- 4 Scarano A et al., Bacterial adhesion on commercially pure titanium and zirconium oxide disks: an in vivo human study., *J Periodontol*. 2004 Feb; 75(2):292–296.
- 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