

Naturally biocompatible



Aesthetics in perfection!

■ Fulfill your patients' wishes for aesthetic restorations and eliminate the unfavorable properties of metals! whiteSKY which is exclusively made from "brezirkon" is fully biocompatible and also perfectly suited for particularly sensitive patients.

Advantages for the patient:

- ▶ Utmost biocompatibility
- ▶ Very easy to clean
- ▶ Natural tooth shade
- ▶ Ideal for allergy patients

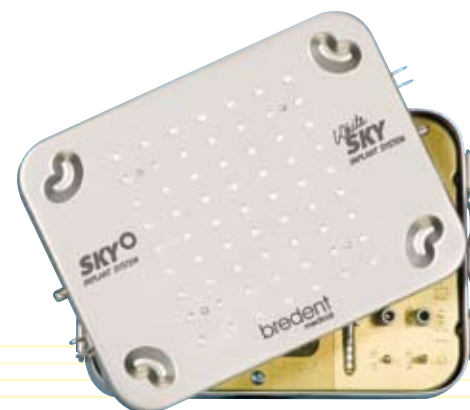
Ensuring practice workflow

Sizes of whiteSKY



Ø	Length	Order No.
3.5 mm	10 mm	SKY3510C
	12 mm	SKY3512C
	14 mm	SKY3514C
	16 mm	SKY3516C

OP tray



Order No.
SKY-OT11



Ø	Length	Order No.
4 mm	8 mm	SKY4008C
	10 mm	SKY4010C
	12 mm	SKY4012C
	14 mm	SKY4014C
	16 mm	SKY4016C



Ø	Length	Order No.
4.5 mm	8 mm	SKY4508C
	10 mm	SKY4510C
	12 mm	SKY4512C
	14 mm	SKY4514C

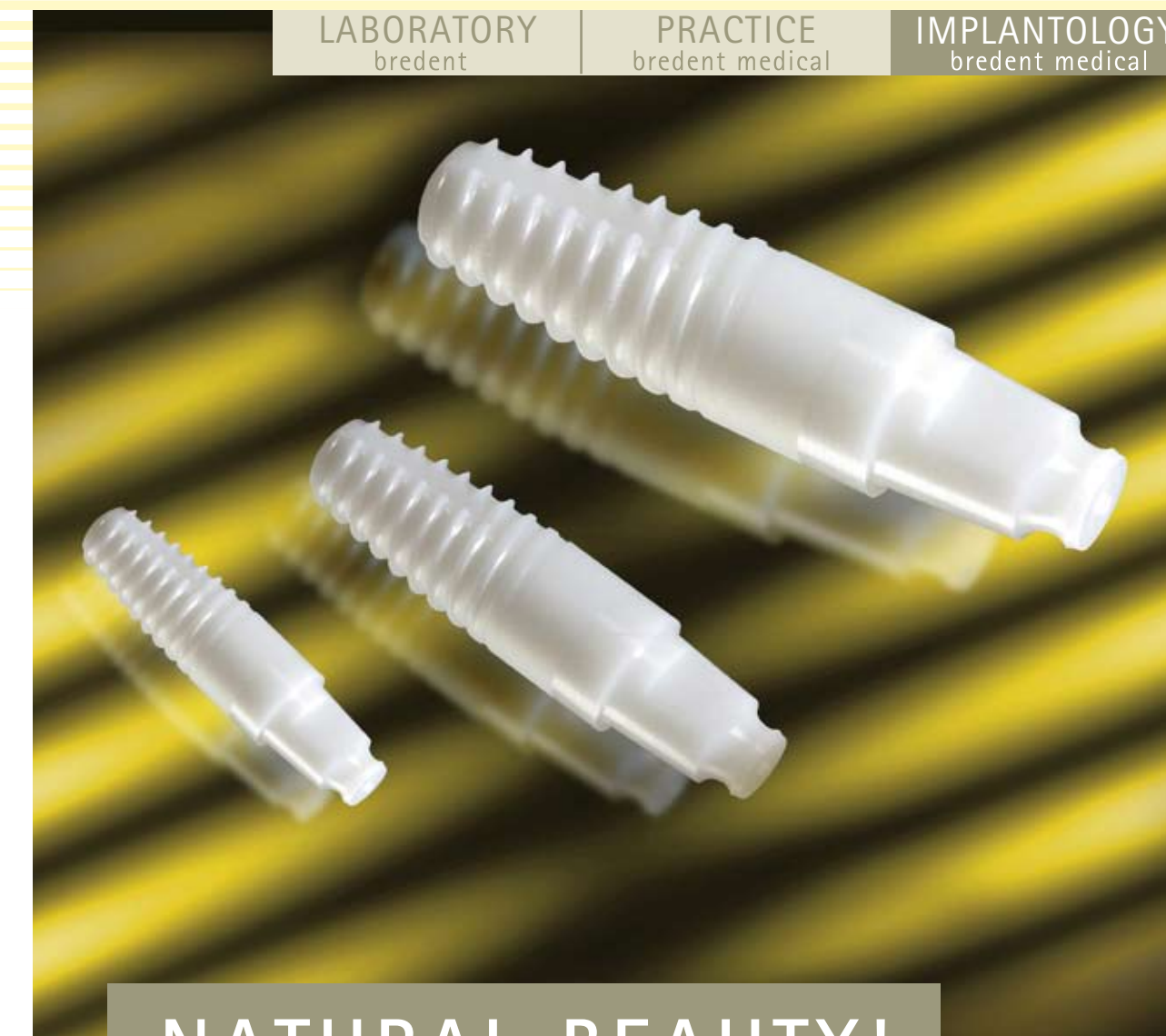
Set for grinding zirconium whiteSKY



Order No.
580 E006 C

white
SKY
IMPLANT SYSTEM

whiteSKY



LABORATORY
breident

PRACTICE
breident medical

IMPLANTOLOGY
breident medical

NATURAL BEAUTY!

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whiteSKY: Natural Beauty

The highest demands of your patients on aesthetics will be fulfilled with the new tooth-colored whiteSKY implants made from zirconium dioxide by bredent medical. No discoloration will affect the beauty of the prosthetic restoration. A perfect result will be achieved even in cases of low gingiva height. Your patients will be totally satisfied with whiteSKY implants and recommend you – a greater compliment can hardly be given by your patients!



whiteSKY: The innovative zirconium implant

- ▶ High primary stability thanks to bone condensation
- ▶ Optimal adaptation of soft tissue
- ▶ One-piece implant – only a single surgery required

The microstructure surface in the bone promotes osseointegration and supports long-term success of the implant restoration.

The soft tissue adapts perfectly to the implant. Plaque accumulation is avoided and hence the risk of periimplantitis is reduced.

The root-shaped implant body with self-cutting cylindrical double thread condensates the bone during the insertion process and creates outstanding primary stability. The conically rounded apex simplifies the integration and protects the bone structure.

Physical properties of brezirkon	
Flexural strength	1250 MPa +/- 120 MPa
Modulus of elasticity	200 GPa
Fracture toughness	6-8 MPa/m

Radiation properties	
-radiation	0.131- 0.0004 mBq/cm ²
β-radiation	<0.32 Bq/g
γ-radiation	not detectable

brezirkon features a very low radiation level so that any risk to the health of patients is excluded.

Picture A



Microstructured implant surface (A) SKY titanium implant x 200 and bredent medical implant made from brezirkon (B) x 200. The high-strength and tissue-compatible implant material of zirconium dioxide allows safe and fast osseointegration.

Picture B

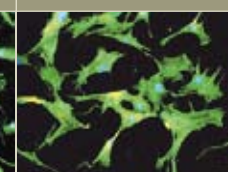


Picture C



Fluorescence microscopy of vital human bone cells on a titanium surface (C) and on the microstructured brezirkon surface (D) – pictures show flat spreading of vital cells with processes on the surface on both materials. This is an evidence of the high biocompatibility of the brezirkon material.

Picture D



Picture E



mCT (E) image of a histological preparation of the brezirkon implant in the bone after 6 months of loading shows direct bone apposition to the microstructured brezirkon surface (examination with uCT 40 (SCANCO Medical AG) Institute for Biomedical Engineering & University ETH, Zurich).

Photos: Dr. R. Gschwend*, Niederteufen, Switzerland

whiteSKY: Simple and reliable



Photo: Dr. S. Mundorf*, Hamburg, Germany



Just one OP tray for two different implants. The proven SKY-System made from titanium and the innovative whiteSKY made from zirconium.

This will enable you to select the respective implant – whiteSKY or SKY-Titan – at the very last moment depending on the virtual conditions found during the surgery.

This will simplify the work processes in the practice for you and your team and increase process stability. Cost and time of treatment will be reduced.

Advantages in the clinical use

- ▶ Just one OP tray for both implant systems
- ▶ Increased process stability – reduced cost and time of treatment
- ▶ Identical implant shape of SKY and whiteSKY

* We would like to thank the mentioned dentists for providing illustrated and documentation material.