Kontact™

Choose adaptability

BIOTECH DENTAL

1

THE **ICONIC** IMPLANT FROM BIOTECH DENTAL

For more than a decade, the Kontact™ implant has become **Biotech Dental's iconic implant** among dentists, thanks to its **technical** and **clinical performance**, but also thanks to its **adaptability**.

Reliable connection - Morse taper connection (10°)

The Kontact™ implant is designed with a **conical connection**. Thanks to its **large contact surface**, it ensures the **stability of prosthetic abutments**, prevents micromovements and provides a bacterial seal. The mechanical strength of the implant and abutment is improved.

Patented STSystem® indexing

This indexing system is the **exclusive** property of Biotech Dental. It provides easy repositioning and maximum flexibility thanks to the **6 possible positions** for the prosthetic parts.

Efficient design

The Kontact™ is a **cylindro-conical** implant with a tapered thread base with compressive targeting to ensure **primary stability** as well as **osseointegration**.

- **Narrowed, chamfered and micro-structured implant neck**
  The narrowing neck reduces bone compression of the cortical bone.
  The structured chamfer promotes the retention of blood coagulum which is necessary for bone reconstruction.
- **Surface Increaser**
  The secondary thread increases the developed surface and promotes the distribution of forces on the bone.
- **Constant Leaf**
  Cutting spirals all along the implant improve stability, reducing the effort of insertion into the bone.

Platform switching

Platform switching, in synergy with a stable and bacteria-proof **morse taper** connection, is an important factor concerning the tissue stability. It helps to prevent peri-implantitis.

Atraumatic spherical apex

Thanks to its design, the apex reduces the anatomical risk during surgery and allows a less invasive osteotomy.

2

MADE IN FRANCE WITH A LIFETIME GUARANTEE

Our implants are manufactured at our **Biotech Dental Manufacturing** factory in the Arve Valley, in Scionzier, France.

Our production unit has been maintaining its unique expertise in micro-mechanical manufacturing for 120 years, and our implants are produced with the **rigour, precision and passion inherited from our clockmaking traditions**.

FRENCH ORIGIN GUARANTEED

Our **certification** to the **Origine France Garantie* label** ensures the origin of our medical devices

ORIGINE FRANCE® GARANTIE

AFNOR Cert. 73017

Lifetime GUARANTEE

Kontact™ implants are **guaranteed for life** when combined with the use of **original Biotech Dental prosthetic parts** or **Biotech Dental Digital CAD-CAM solutions**

Lifetime GUARANTEE

*French Origin Guaranteed

3

BENEFITS

The Kontact™ is a cylindro-conical implant with primary stability promoting immediate loading, thanks to its design and placement protocol.

IT HAS THE FOLLOWING BENEFITS:

- **Tissue stability** thanks to its morse taper connection, platform switching and the concave profile of the transgingival part of the abutments. The STSystem® connection prevents bacterial infiltration, preserving the peri-implant biological space.

- **High mechanical resistance** thanks to the patented design of the STSystem® connection, which creates a large friction surface between the implant and abutment, reducing micromovements. Abutment retention and stability are ensured by the friction between the abutment and the implant.

- **Prosthetic simplicity and adaptability:** a single STSystem® connection for all implant diameters* simplifies stock management and prosthetic procedures both at the chairside and in the laboratory.

*Except 3mm diameter

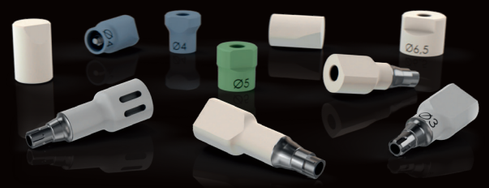
4

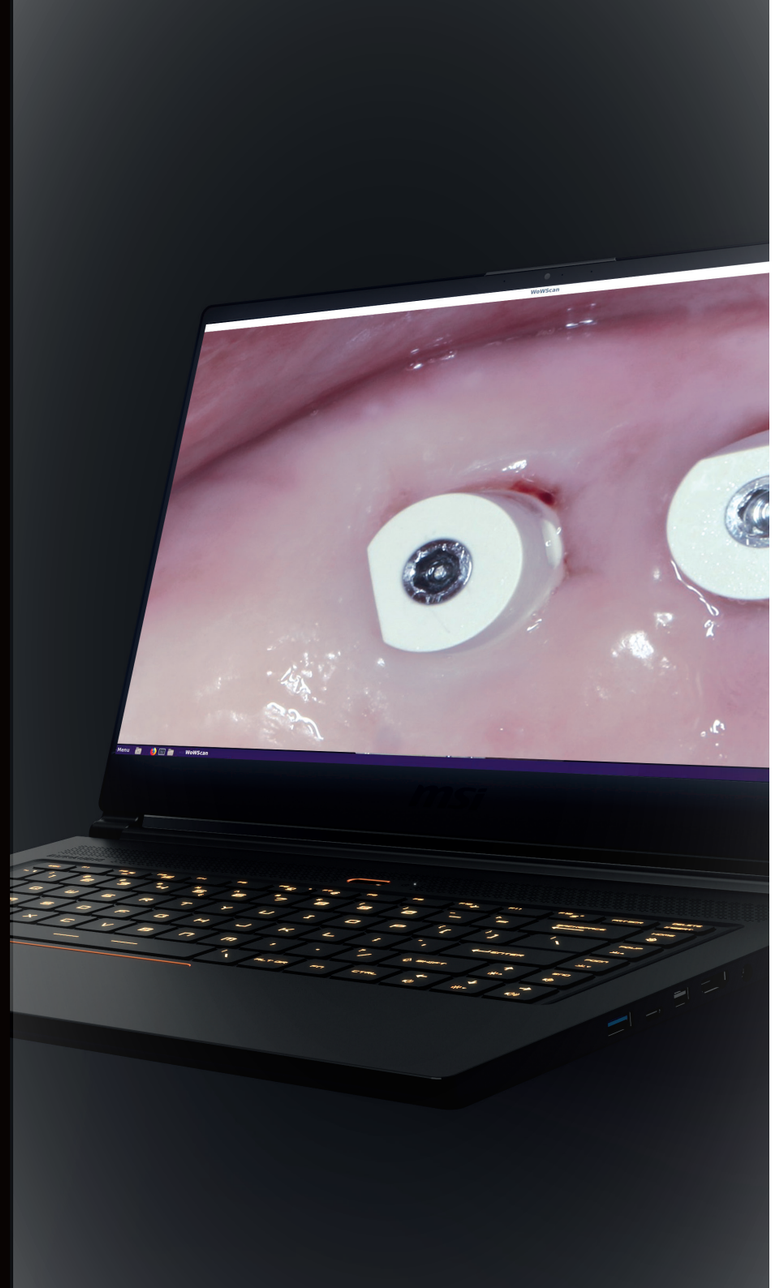
IMPLANT SCANNING IN YOUR DIGITAL FLOW

- **Optimise** your digital workflow, communication with your patients and **accelerate** your cases **planning.**
- **Simplify** your impressions with an intraoral scanner.

With the scanbody you digitally select the implant position and orientation.

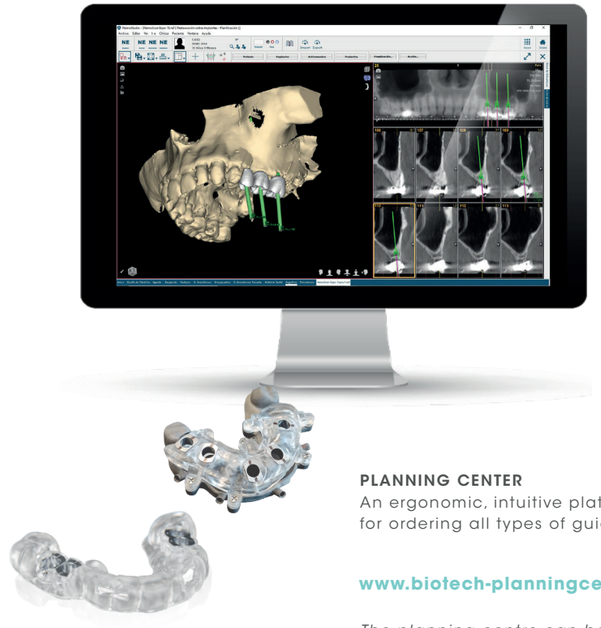
Realise perfectly adapted abutments and prosthetic parts to your patient's morphology.





GUIDED SURGERY FOR EVERYONE

Biotech Dental combines the performance of the Kontact™ implant with NemoScan technology, its proprietary implant planning software, **to give you easy access to guided surgery**.



PLANNING CENTER
An ergonomic, intuitive platform for ordering all types of guides.

www.biotech-planningcenter.com

The planning centre can be used to produce pilot guides, «fully guided « guides and stackable guides.

5

A **SINGLE** SURGICAL AND GUIDED SURGERY KIT FOR ALL IMPLANTS IN THE KONTACT™ RANGE

KONTACT™
SURGICAL KIT

ATLASURGERY™ 2
GUIDED SURGERY KIT

THE KONTACT™ SURGICAL AND ATLASURGERY™ 2 GUIDED SURGERY KITS ARE:

- **Compact** for minimum space requirements and optimal storage.
- **Convenient,** with quick and easy opening for easy access to instruments.
- **Understandable** thanks to colour marking for quick instrument identification.
- **Fully removable** for complete decontamination and autoclavability.

6

PROSTHETIC SOLUTIONS FOR ALL INDICATIONS

A COMPLETE PROSTHETIC RANGE DEVELOPED TO SIMPLIFY AND OPTIMISE YOUR AESTHETIC AND FUNCTIONAL RESULTS

- Cemented and screw-retained prosthesis
- Removable prosthesis
- Non-removable prosthesis
- Anatomical, customisable and scannable SSA-GF* healing abutments
- Customised CAD-CAM prosthesis

* Sealing Socket Abutment - Gingival Fit

BIOTECH DENTAL DIGITAL

BIOTECH DENTAL DIGITAL, INDUSTRIAL CAD-CAM CENTRE IN THE ARVE VALLEY, IN SCIONZIER - FRANCE

(Certified ISO13485 and Origine France Garantie*)

- Single and multiple implant-supported prostheses in Titanium, Cobalt-Chromium and Zirconia
- Scan design service to support you and your laboratory in processing your digital work
- Digital prostheses as part of the Biotech Dental guarantee

*French Origin Guaranteed

7

KONTACT™ A **COMPLETE RANGE OF IMPLANTS** TO TREAT ALL YOUR CASES

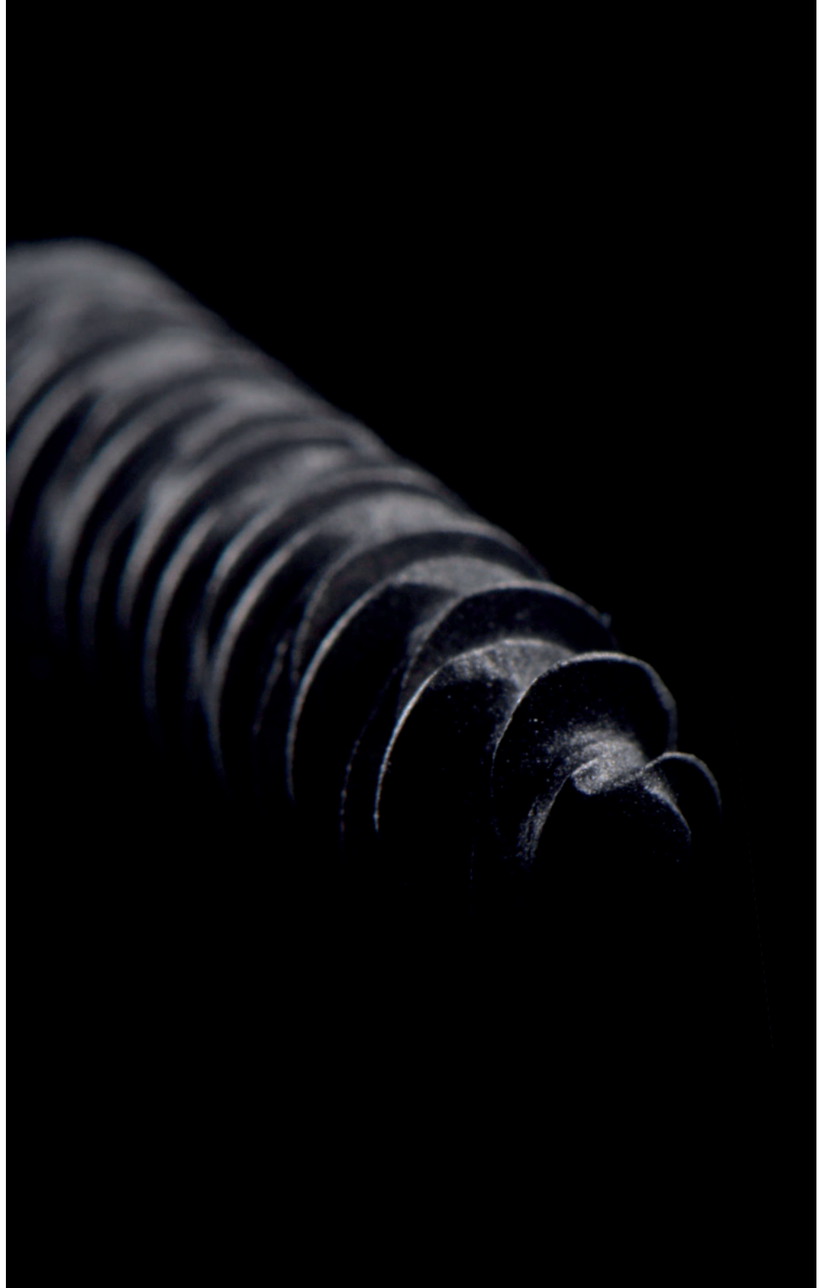
✔ 5 body diameter:

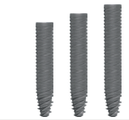
Ø 3 mm | Ø 3.6 mm | Ø 4.2 mm | Ø 4.8 mm | Ø 5.4 mm

✔ 9 lengths

- 6 mm
- 8 mm
- 10 mm
- 12 mm
- 14 mm
- 16 mm
- 20 mm*
- 22 mm*
- 24 mm*

* Kontact™ XL implant (20 mm, 22 mm, 24 mm).



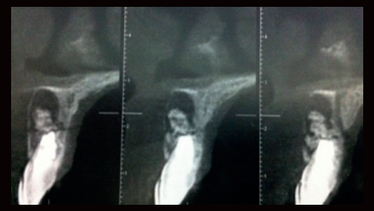
	References	Designations	Diameters	Lengths
	K30-10	Implants	Ø 3 mm	10 mm
	K30-12			12 mm
	K30-14			14 mm
	K3608	Implants	Ø 3,6 mm	8 mm
	K3610			10 mm
	K3612			12 mm
	K3614			14 mm
	K3616			16 mm
	K4206	Implants	Ø 4.2 mm	6 mm
	K4208			8 mm
	K4210			10 mm
	K4212			12 mm
	K4214			14 mm
	K4216*			16 mm
	K4806	Implants	Ø 4.8 mm	6 mm
	K4808			8 mm
	K4810			10 mm
	K4812			12 mm
	K4814			14 mm
	K5406	Implants	Ø 5.4 mm	6 mm
	K5408			8 mm
	K5410			10 mm
	K5412			12 mm
	K5414			14 mm
XL* 	K3620	Implants	Ø 3.6 mm	20 mm
	K3622			22 mm
	K3624			24 mm
	K4220	Implants	Ø 4.2 mm	20 mm
	K4222			22 mm
	K4224			24 mm

8 CLINICAL CASES

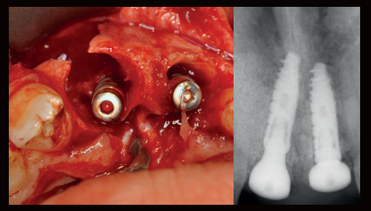
1 | Extractions and immediate loading: Kontact™ implant in the aesthetic sector

Dr. Elias Khoury

Initial clinical situation



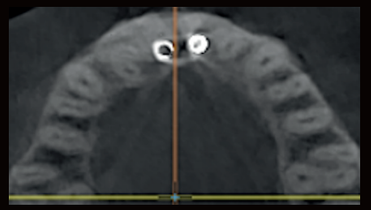
Coronal section highlighting a bone defect



Alveolar curettage and apical anchoring of the implant, alveolar filling and x-ray control

Customised abutments

Aesthetic result on the day of crown placement



Axial cone beam section highlighting the new bone outlines created

X-ray follow-up after 13 years: stability of the regenerated vestibular volume is confirmed

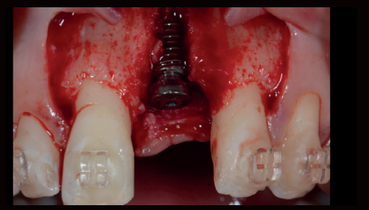
Tissue stability after 13 years

2 | Implant rehabilitation in the aesthetic sector

Dr. Guerino Paolantoni

Initial case: 35 year-old woman
Left upper incisor with vertical fracture

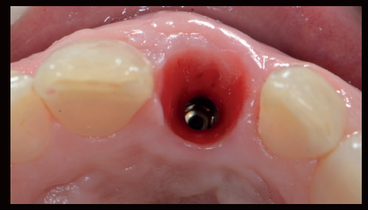
Implant surgery: after removing the complete flap, the bone defect revealed a vestibular dehiscence of 15 mm



Implant placement: use of a healing screw to improve the stability of the blood clot

Guided bone regeneration: use of a resorbable collagen membrane to stabilise the bovine xenograft

The temporary screwed prosthesis was placed six months after the implant surgery, in order to assist the healing of the peri-implant tissues

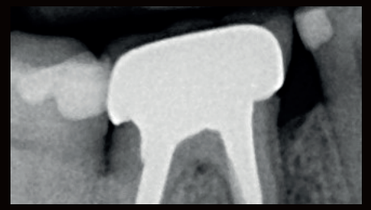


View of healed peri-implant tissues

Final screw-retained crown and x-ray follow-up after 7 years

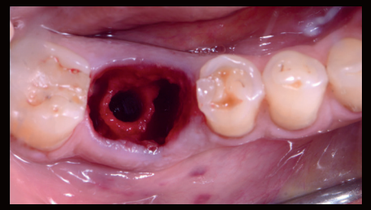
3 | SSA-GF* workflow: Step-by-step treatment of a mandibular molar replacement

Dr. Gary Finelle

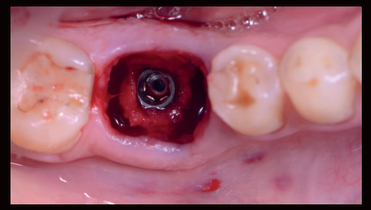


Initial situation: 46 cannot be preserved. Distal root fracture

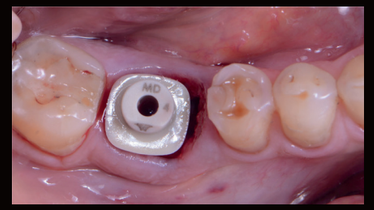
Atraumatic extraction. Root separation



Intraseptal implant drilling. Final drilling



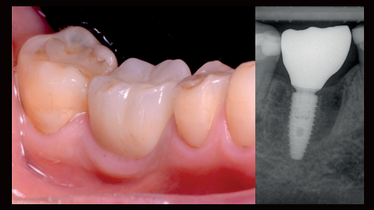
Placing the implant in the ideal prosthetic position



Fitting the mandibular SSA-GF abutment. The abutment seals almost the entire alveolar emergence

Customising the SSA-GF abutment with a flow composite to seal

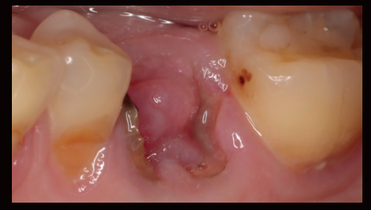
Final placement of the SSA-GF abutment after customisation: mechanical barrier between alveolar site and oral cavity, tissue support, blood clot stabilisation

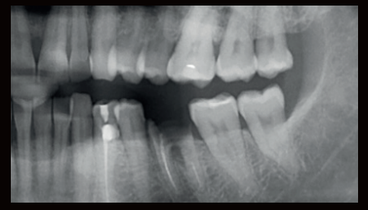


Placement of the monolithic zirconia implant crown

4 | Immediate loading and alveolar preservation around a Kontact™ implant

Dr. Hadi Antoun



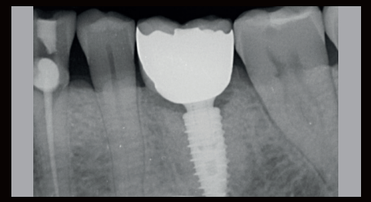


36 is in the terminal phase, an immediate loading is scheduled in order to reduce the number of procedures, shorten the overall treatment time and maintain bone and mucosal volume as much as possible

A Kontact™ implant (diameter 4.2 mm - length 10 mm) is placed after the least traumatic extraction possible and careful cleaning of the alveolus. Filling and placement of a PEEK SSA-GF abutment

At 4 months, the implant is inspected for healing and integration. A digital impression is then taken by the practitioner, directly on the SSA-GF abutment to record the position of the implant and the anatomical emergence profile

A stratified zirconia crown is made, bonded to a Ti-base and screwed directly onto the implant

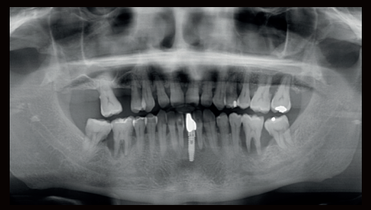


Retro-alveolar follow-up after one year to check the x-ray integration of the Kontact™ implant as well as the stability of the stabilised proximal bone at and above the implant neck (*Dr. Frédéric Pujol Prosthesis*)

* Sealing Socket Abutment - Gingival Fit

5 | FP1 rehabilitation: Socket Shield technique in a patient with paradontal disease

Dr. Helder Moura



Initial x-ray check

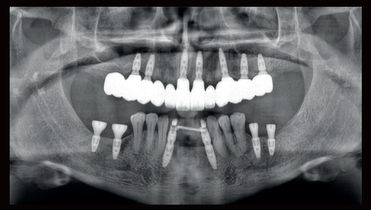
Initial clinical situation

Upper FP1 full prosthesis (temporary position in the anterosuperior sector)

Occlusal photo of the FP1 prosthesis. Horizontal emergence profile (Soft tissue manipulation)

Emergence profile with anatomy of the papillae

Details of soft tissue integration around FP1 rehabilitation



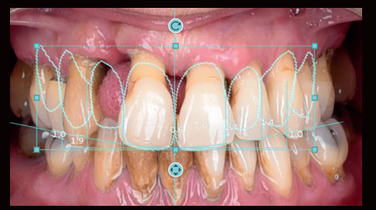
Final x-ray check

Smile details before and after treatment

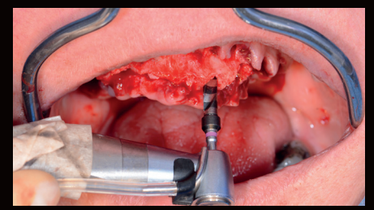
6 | Full rehabilitation

Dr. Bertrand Rousselet

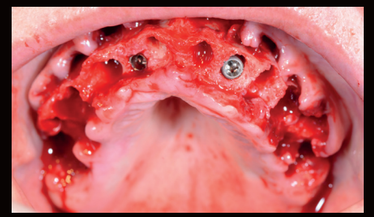
Initial situation



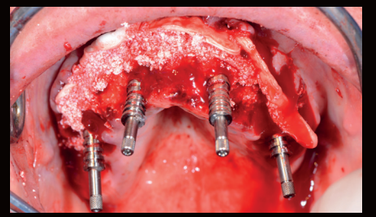
March 2018 - Predictive smile planning



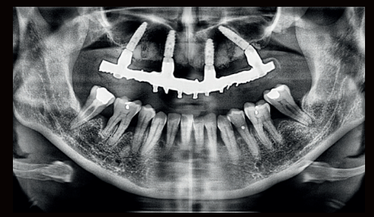
09/04/2018 - Placement of Kontact™ implants in position 22



09/04/2018 - Implants placement in 12, 22, 14, 24



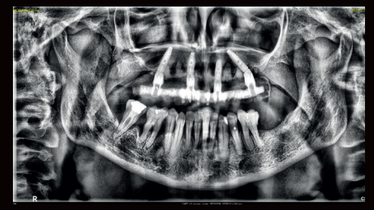
09/04/2018 - Sticky Bone graft to replace bone resorption. Placement of conical abutment transfers



10/04/2018 - X-ray to check the passivity of the final bridge

Final bridge before fitting

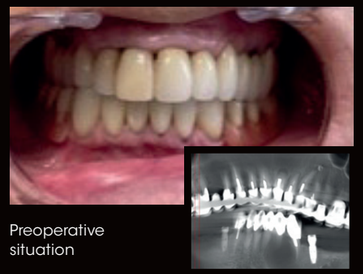
10/04/2018 - Final bridge at D3



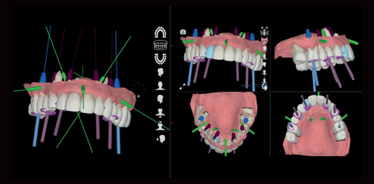
26/10/2023 - X-ray follow-up after 5 years

7 | Stackable guide - YOUR3DGUIDE™

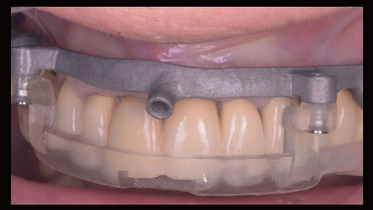
Dr. Pierre Keller



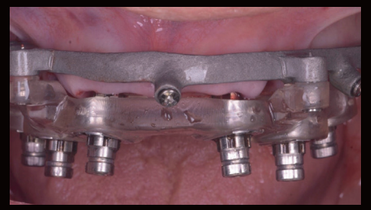
Preoperative situation



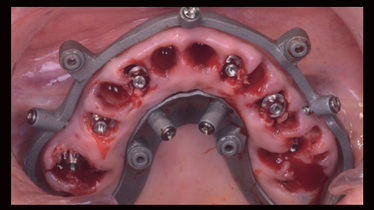
Planning performed by the Biotech Dental planning centre via NemoScan



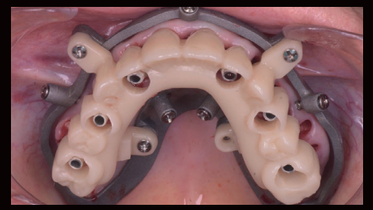
Placement of the stackable guide's titanium base with the positioning stage



Placement of Kontact™ implants with the drilling stage and appropriate implant holders



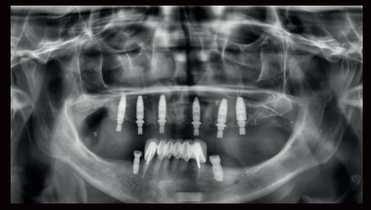
Placement of conical abutments



Connection of the temporary prosthesis (last stage of the guide) on conical abutments via the sleeves

Finishing the machined PMMA temporary prosthesis

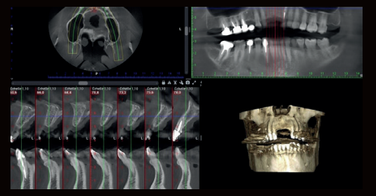
Immediate loading



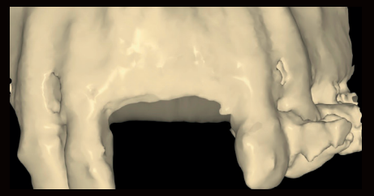
Panoramic x-ray after placing Kontact™ implants

8 | YOUR3DCAGE™ bone reconstruction and implant placement

Dr. Pierre Keller

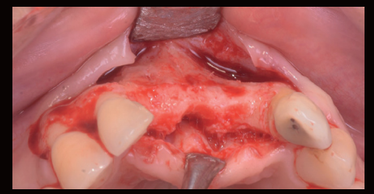


Pre-operative cone-beam assessment

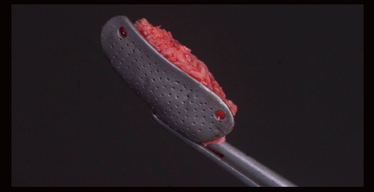


Bone volume design

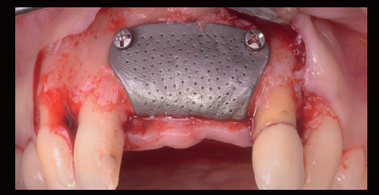
Design of the Your3Dcage™ titanium membrane



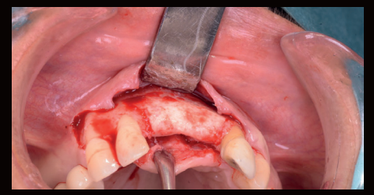
Careful preparation of the bone defect



Filling the titanium membrane with autogenous bone

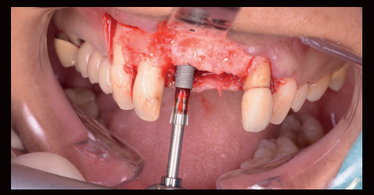


Fixing the Your3Dcage™ titanium membrane with 2 screwpins

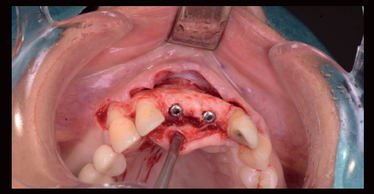


Removal of Your3Dcage™ membrane after 4 months and visualisation of bone gain

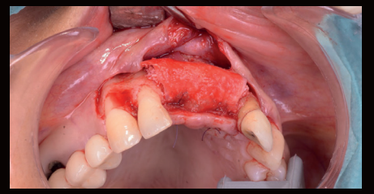
Placement of the pilot guide



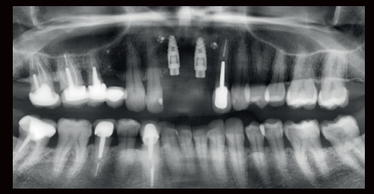
Placing the first Kontact™ implant



Placing 2 high cover screws on Kontact™ implants



Guided bone regeneration using Nea Cova™ membrane fixed by 2 screwpins



Post-operative panoramic x-ray

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