

Zakton

IMPLANTS

Your Precious Pearls

Made in Germany

Pearls
collection



Introduction:

As per our long experience in the dental industry, Zakton LLC, headquartered in the state of Colorado, USA, specialized in the dental units / equipment, is proud to launch the new line **Zakton Implants**, that has gained the trust of hundreds of specialists, technicians and end users, who count on their comprehensive and top of the line products, delivering successful and reliable patient outcomes. The company strives to maintain this trust by continually offering the solid service as well as scientifically proven and affordable dental implants aimed at providing the best Quality/Value in this field.

Product quality:

Zakton Implants is operated and managed by highly qualified leading experts and professionals in the field of maxillofacial surgery, prostodontics and periodontics. The company manufactures high end prostodontic dental accessories, dental implants, dental surgical kits and instruments.

Being a reliable and reputable company in the dental industry, our high quality products are manufactured by innovative and strict quality in assurance control.

Education:

Zakton Implants engages in the research, development and marketing of dental implants and continuous solutions, keeping the user's awareness in this field always up to date.

Marketing:

Zakton Implants markets its products through its field representatives and subsidiaries, authorized dealers and distribution partners, as well as directly by telephone and emails.

Product line:

Our Pearls Collection Implants provides 2 lines:

- Pearl
- Pear Extra

Warranty:

Zakton Implants maintains and warrants supreme quality of its products, to be free from defects in materials and workmanship. However should the customer find fault with any of our products, the defective items should be replaced. The products should be used only by qualified personnel, with appropriate and adequate training. All risks and liabilities resulting from the use of the products either separately or in combination with other manufacturer components are assumed by the end user.



*Screw included.

Some product images are greatly magnified for better detail.

STERILE R



Product name	ø mm	Length mm	Material	Product code
PEARL IMPLANTS	3.5	8.5	Titanium	ID35085
		10.0		ID35100
		11.5		ID35115
		13.0		ID35130
		16.0		ID35160
	4.3	8.5		ID43085
		10.0		ID43100
		11.5		ID43115
		13.0		ID43130
		16.0		ID43160
	5.0	8.5		ID50085
		10.0		ID50100
		11.5		ID50115
		13.0		ID50130
		16.0		ID50160

GINGIVA FORMERS

STERILE R



Gingiva former cylindrical for implant ø 3.5/4.3/5.0	4.6	2.0	Titanium	P44402-02
		3.0		P44402-03
		4.0		P44402-04
		5.0		P44402-05
		6.0		P44402-06
		7.0		P44402-07
Gingiva former tapered for implant ø 3.5/4.3/5.0	4.8	2.0	Titanium	P44402k-02
	4.9	3.0		P44402k-03
	5.0	4.0		P44402k-04
	5.2	5.0		P44402k-05
	5.3	6.0		P44402k-06
	5.5	7.0		P44402k-07

ABUTMENTS



Abutment 0° (short)* for implant ø 3.5/4.3/5.0	4.6	9.0/1.0	Titanium	P44426-01
		9.0/2.0		P44426-02
		9.0/3.0		P44426-03
		9.0/2.0	Peek	P44426P-02
		9.0/2.0	POM	P44426Po-02
Abutment 0° (long)* for implant ø 3.5/4.3/5.0	4.6	11.5/1.0	Titanium	P44427-01
		11.5/2.0		P44427-02
		11.5/3.0		P44427-03
		11.5/2.0	Peek	P44427P-02
		11.5/2.0	POM	P44427Po-02
Abutment 15°* for implant ø 3.5/4.3/5.0	4.7	10.0/2.0	Titanium	P44432-02
	5.0	10.0/3.0		P44432-03
Abutment 25°* for implant ø 3.5/4.3/5.0	4.7	10.0/2.0	Titanium	P44425-02
	5.0	10.0/3.0		P44425-03

*Screw included.

**A screwdriver with a WAF of 2.0 should be used with this product.

CAD/CAM



Product name	ø mm	Length mm	Material	Product code
Scan adapter* for implant ø 3.5/4.3/5.0	3.0	5.2	Peek	P44423P
Bonding base* for implant ø 3.5/4.3/5.0	3.0	5.2	Titanium	P44423

PREMOLAR ABUTMENTS



Premolar abutment (short)* for implant ø 3.5/4.3/5.0	4.5	10.0	Titanium	P44430-10
Premolar abutment (long)* for implant ø 3.5/4.3/5.0		13.0		P44430-13

UNIVERSAL ABUTMENTS



Universal abutment* for implant ø 3.5/4.3/5.0	5.0	10.0	Titanium	P44417-05
	7.0			P44417-07
	10.0			P44417-10
	5.0		Peek	P44417P-05
	7.0			P44417P-07
	10.0			P44417P-10

CASTABLE ABUTMENTS



Castable abutment* for implant ø 3.5/4.3/5.0	4.6	14.0	POM	P44416
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RETENTION SCREWS



Retention screw for implant ø 3.5/4.3/5.0		9.3	Titanium	S44435
Retention screw (blue) for implant ø 3.5/4.3/5.0				S44435b

LOCATOR ABUTMENTS



Locator abutment** for implant ø 3.5/4.3/5.0	3.7	2.0	Titanium	P44476-02
		3.0		P44476-03
		4.0		P44476-04
		5.0		P44476-05
		6.0		P44476-06
		7.0		P44476-07



LOCATOR ACCESSORIES

	Product name	ø mm	Length mm	Material	Product code
	Impression coping (locator)		7.0	POM	L44480
	Cap (locator)	5.5	2.3	Titanium	P44481
	Plastic insert (locator) soft (4 pieces)	4.6		POM	P44482-01
	Plastic insert (locator) reinforced retention (4 pieces)	4.6		POM	P44482-02
	Plastic insert with locator soft (4 pieces)	4.6		Peek	P44483-01
	Plastic insert with locator reinforced retention (4 pieces)	4.6		Peek	P44483-02
	Locator set				P44484
	Locator set				P44485

COVER SCREWS

	Cover screw for implant ø 3.5/4.3/5.0	3.5	5.0	Titanium	S44460
	Cover screw sinus lift for implant ø 3.5/4.3/5.0	5.5	5.0		S44461

IMPRESSION POSTS

	Impression post (short)* cylindrical for implant ø 3.5/4.3/5.0	4.6	11.0	Titanium	L44412-11
	Impression post (long)* cylindrical. for implant ø 3.5/4.3/5.0		15.6		L44412-18
	Impression post (short)* tapered for implant ø 3.5/4.3/5.0	5.2	11.0	Titanium	L44412k-11
	Impression post (long)* tapered for implant ø 3.5/4.3/5.0		15.6		L44412k-18

*Screw included.

IMPRESSION SCREWS



Product name	ø mm	Length mm	Material	Product code
Short impression screw for open tray for implant ø 3.5/4.3/5.0		21.0	Titanium	S44413-21
Long impression screw for open tray for implant ø 3.5/4.3/5.0		26.0		S44413-26

REPOSITIONING ASSIST DEVICES



Short repositioning assist device for implant ø 3.5/4.3/5.0		5.8	POM	L44600-05
Short repositioning assist device for implant ø 3.5/4.3/5.0 (10 pieces)				L44610-05
Long repositioning assist device for implant ø 3.5/4.3/5.0		9.4		L44600-09
Long repositioning assist device for implant ø 3.5/4.3/5.0 (10 pieces)				L44610-09

PARALLEL PINS



Parallel pin 0°		22.0	Titanium	L44650
Parallel pin 0° (4 pieces)				L44651
Parallel pin 15°		21.2		L44652
Parallel pin 15° (4 pieces)				L44653

IMPLANT ANALOGS



Implant analog for implant ø 3.5/4.3/5.0	3.8	13.0	Titanium	L44422
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BALL ANCHORS



Transgingival ball anchor for implant ø 3.5/4.3/5.0	4.6	1.0	Titanium	P44466-01
		2.0		P44466-02
		3.0		P44466-03
		4.0		P44466-04
		5.0		P44466-05
		6.0		P44466-06
		7.0		P44466-07



* With 3 cutting edges
 ** With 5 cutting edges

BALL ANCHOR ACCESSORIES



Product name	ø mm	Length mm	Material	Product code
Impression sleeve (ball anchor)	5.5	8.0	POM	L44474
Implant analog (ball anchor)	4.6	15.8	Titanium	L44422b
Cap (ball anchor)	5.0	3.2	Titanium	P44471
Plastic insert (ball anchor) soft (4 pieces)	3.9		Peek	P44472-01
Plastic insert (ball anchor) reinforced retention (4 pieces)	3.9		Peek	P44472-02
Ball anchor set				P44473

PEARL IMPLANT TOOLS

SURGICAL DRILLS



Product name	ø mm	Length mm	Material	Product code
Round bur	2.3		Stainless steel	B2140
Pilot drill	2.0		Stainless steel	B2040
Triangular drill	1.8		Stainless steel	B2240
Regular drill** for implant ø 3.5	● 2.9			B2935
Regular drill** for implant ø 4.3	● 3.7		Stainless steel	B3743
Regular drill** for implant ø 5.0	● 4.4			B4450
D1 drill** for implant ø 3.5	● 3.1			B3135
D1 drill** for implant ø 4.3	● 3.9		Stainless steel	B3943
D1 drill** for implant ø 5.0	● 4.6			B4650

* With 3 cutting edges
** With 5 cutting edges

SINGLE-PATIENT SURGICAL DRILLS

STERILE R



Product name	ø mm	Length mm	Material	Product code
Pilot drill	2.0		Stainless steel	B2040EP
Regular drill* for implant ø 3.5	● 2.9		Stainless steel	B2935EP
Regular drill* for implant ø 4.3	● 3.7			B3743EP
Regular drill* for implant ø 5.0	● 4.4			B4450EP
D1 drill* for implant ø 3.5	● 3.1		Stainless steel	B3135EP
D1 drill* for implant ø 4.3	● 3.9			B3943EP
D1 drill* for implant ø 5.0	● 4.6			B4650EP



DRILL STOPS

Drill stop for pilot drill	2.00	3.0/13.0	Titanium	T2040-030
		4.5/11.5		T2040-045
		6.0/10.0		T2040-060
		7.5/8.5		T2040-075
Drill stop for implant ø 3.5	● 2.90	3.0/13.0		T2935-030
		4.5/11.5		T2935-045
		6.0/10.0		T2935-060
		7.5/8.5		T2935-075
Drill stop for implant ø 4.3	● 3.70	3.0/13.0		T3743-030
		4.5/11.5		T3743-045
		6.0/10.0		T3743-060
		7.5/8.5		T3743-075
Drill stop for implant ø 5.0	● 4.40	3.0/13.0		T4450-030
		4.5/11.5		T4450-045
		6.0/10.0		T4450-060
		7.5/8.5		T4450-075

DRILL STOP SETS

Drill stop set for Pearl Implant (16 parts)	EFD0001
Drill stop set for Pearl Implant (27 parts)	EFSD0001
Empty drill stop cassette	BS1000



SCREWDRIVERS (IMPLANTS)

	Product name	ø mm	Length mm	Material	Product code
	Screwdriver for implant ø 3.5/4.3/5.0 (ratchet)	WAF 2.4	21.0/12.0	Stainless steel	T44563-12
	Screwdriver for implant ø 3.5/4.3/5.0 (ratchet)		26.0/17.0		T44563-17
	Screwdriver for implant ø 3.5/4.3/5.0 (ratchet)		36.0/27.0		T44563-27
	Screwdriver for implant ø 3.5/4.3/5.0 (contra-angle)	WAF 2.4	24.0/10.0	Stainless steel	T44564-10
	Screwdriver for implant ø 3.5/4.3/5.0 (contra-angle)		34.0/20.0		T44564-20


SCREWDRIVERS (SCREWS)

	Screwdriver for screw (ratchet)	WAF 1.2	19.0/10.0	Stainless steel	T40565-10
			24.0/15.0		T40565-15
			34.0/25.0		T40565-25
	Screwdriver for screw (manual)	WAF 1.2	18.5/10.0	Stainless steel	T40566-10
			23.5/15.0		T40566-15
			28.5/20.0		T40566-20
	Screwdriver for screw (contra-angle)	WAF 1.2	23.5/10.0	Stainless steel	T40567-10
			33.5/20.0		T40567-20

MUCOSAL PUNCH

	Mucosal punch	3.0	21.0	Stainless steel	T30533-03
		4.0			T30533-04
		5.0			T30533-05

MISCELLANEOUS TOOLS

	Product name	ø mm	Length mm	Material	Product code
	Insertion tool (ball anchor)			Stainless steel	T44470
	Handle			Stainless steel	T44130
	Abrasive disc holder for implant ø 3.5/4.3/5.0	WAF 2.4		Stainless steel	T44537
	Measuring probe			Stainless steel	T44535
	Drill shaft extension	5.0	30.0	Stainless steel	T44536
	Hand wheel for drill			Stainless steel	T44578
	Hand wheel			Stainless steel	T4018
	Ratchet			Stainless steel	T44700
	Torque ratchet (20-50 Ncm)			Stainless steel	T44800
	Locator tool			Stainless steel	T441496



SURGICAL SETS

Product name	ø mm	Length mm	Material	Product code
Surgical set BASIC (11 parts)				EFD1000
Surgical set PROFESSIONAL (17 parts)				EFD2000
Surgical set DUO PROFESSIONAL PEARL IMPLANT (41 parts)				EFS3000



SURGICAL SET
Pearl Implant Professional



SURGICAL SET
Duo Professional
Pearl Implant

Case Book

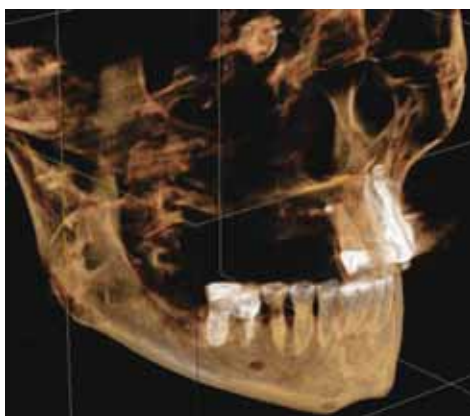
Patient: R.B., female, Berlin

Implantologist: Dr. Bogner / Dr.Dr. Ehrl

Age: 55, no medical problems

Diagnosis: Loss of teeth 17-12, edentulous upper right quadrant.

Indication: Replacement with a fixed bridge on implants

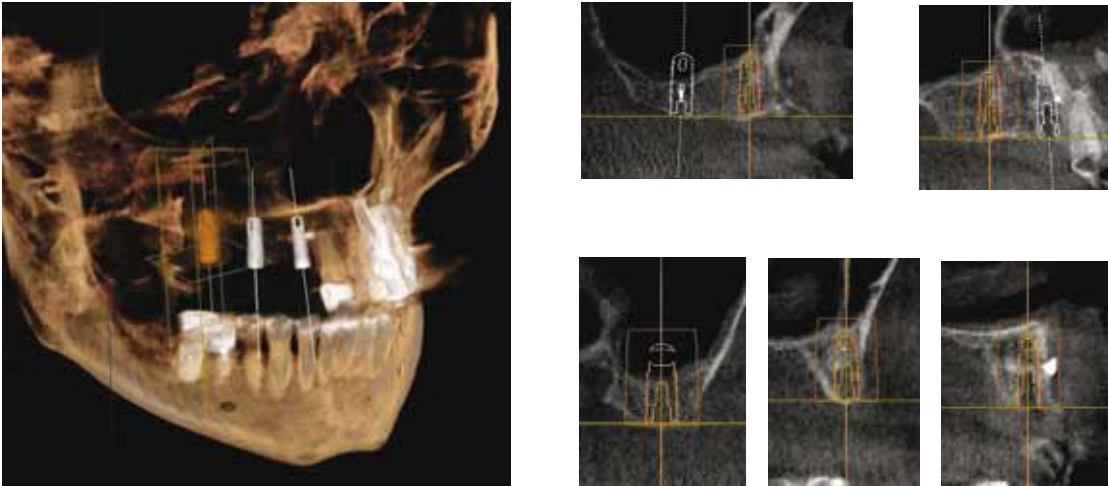


2D and 3D Xray shows loss of bone height, big intermaxillary distance, but still enough remaining bone to place implants with primary stability.

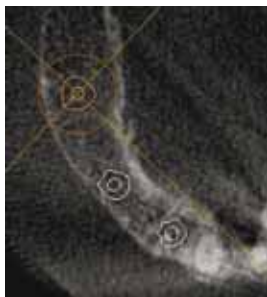
Regio 12 a membrane technique was used to maintain the alveolar ridge after extraction.

Planning Phase

Three implants have been planned at 12, 14 and 16 to reduce the number of implants.



The extension of the sinus shows the necessity of a sinus elevation, especially in the distal area. A model planning with set-up was made to fix the area of implant placement. Sinus elevation was planned as a one -phase surgery, as there was enough bone to achieve primary stability for the implants



The width of the alveolar process was sufficient.



Left to right: Situs before opening. Preparing a mucoperiosteal flap. Expansion of the alveolar crest with a screw-shaped expander in region 12 to get a natural jugum alveolaris.



Preparing the new alveola for Pearl Implant by Zakton



Screwing in the implant with a simple straight screw-driver



Controlling the first implant. The lateral sinus opening can be seen.



Screwing in the 2nd implant with a simple straight screw-driver



Controlling the two implants.



Placing the 3rd implant.



Controlling the three implants.



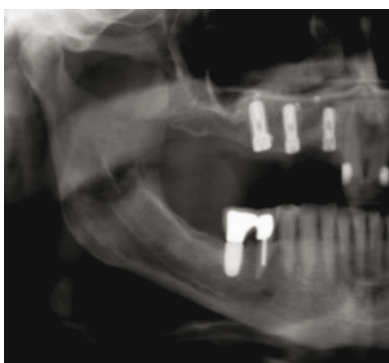
Fixing the covering screws.



Finishing the sinus lifting and adjusting the alveolar process defects.



Placing membranes (Jason, Botiss) and fixing them with pins.



Control Xray after implantation and sinus elevation

Uncovering the implants

After placing the implants a 5 month healing phase was awaited. Three incisions were made to place standard healing caps.



Short incisions without removing any mucosal part.



Removing the covering screw and placing the healing cap



Three caps in place



1 week after placing the healing caps.



The healing caps removed.



Left to right:
Post for open tray impression. Fixing screw. Lab analogue.

Taking the impression

(open tray technique)



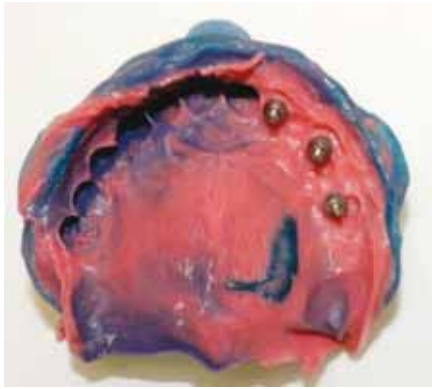
Impression posts screwed on the implants.



Trying in the open tray.



Taking the impression. Unscrewing the posts.



Checking the impression.



Taking the bite.

Checking the fit of the final restoration



Good emergence profile



Abutments



Abutments intraorally.



Tryin´ in the metal frame



The metal frame in situ



Screwing with the handpiece



The final bridge. Torque ratchet.



The final bridge in situ.

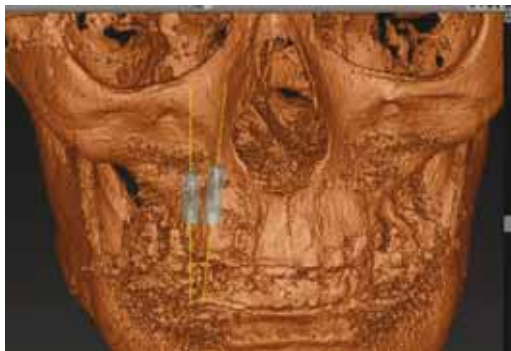
Patient: D.F., female, Berlin

Implantologist: Dr. Dr. Ehrl

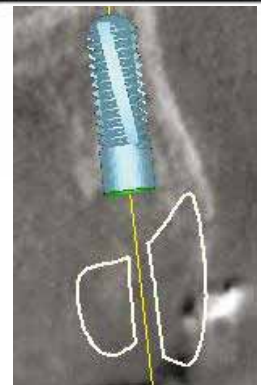
Age: 58, no medical problems

Diagnosis: Loss of teeth 14 and 15.

Indication: Single tooth replacements.



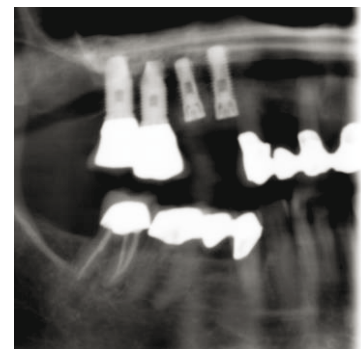
Digital 3D-Planning



Drill guide with holder



Implant fixing tool



Pearl Implant by Zaktion Implants placed in 14 and 15

Prosthetic Phase



Implant fixing tool



Impression with open tray



Abutments at the cast

Crowns at the cast



Uncovering the implants, screwing the abutments by hand and ratchet



The final restoration in situ at 14 and 15

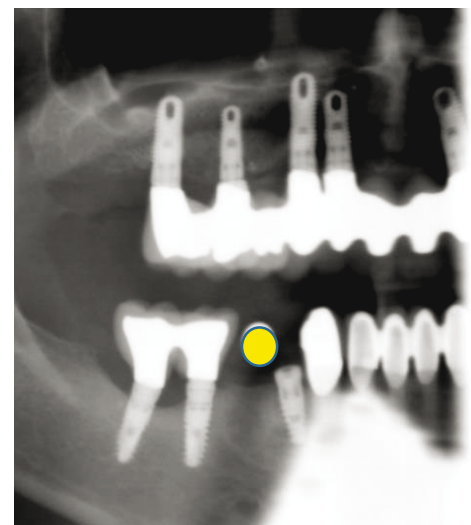
Patient: D.F., female, Berlin

Implantologist: Dr.Dr. Ehrl

Age: 63, no medical problems

Diagnosis: Loss of implant 45 through heavy pain and consecutive extraction.

Indication: Single tooth replacement.



Placing the implant, step by step



Pearl Implant while screwing in, machined and with torque ratchet

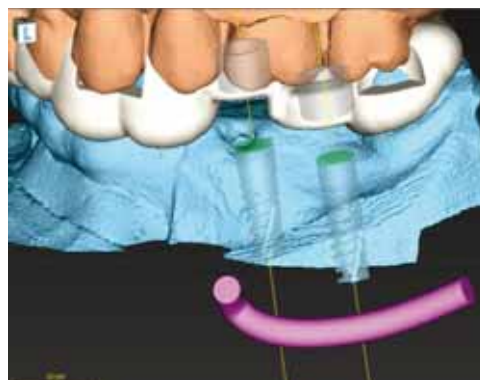


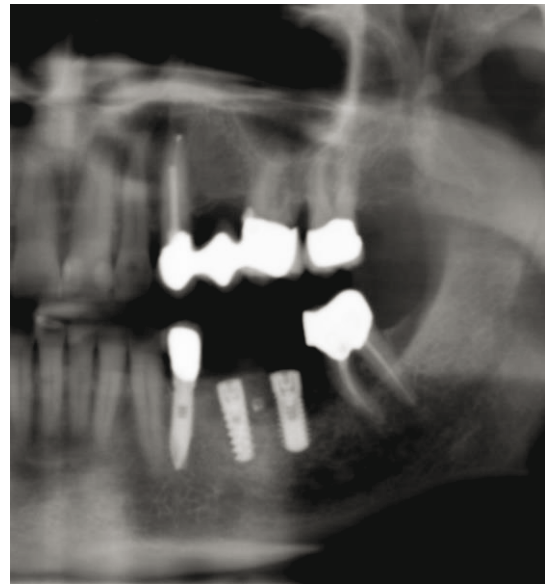
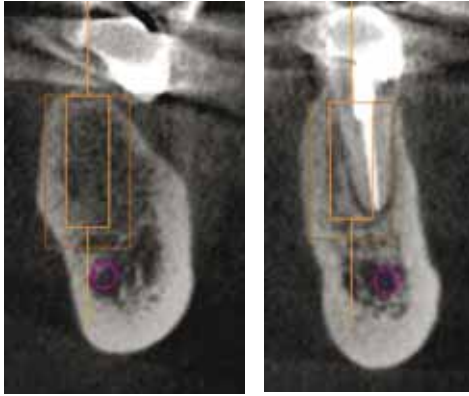
Screwing in the covering screw, Xray control



Abutment at 45 (44 restored) and the final crown

Patient: G. K.-P., female, Berlin
Implantologist: Dr.Dr. Ehrl
Age: 67, no medical problems
Diagnosis: Loss of teeth 35 and 36.
Indication: Single tooth replacement.





Xray control after implantation (↑) and 4 month later (←). Note the change of radioopacity around the distal implant.



Guided procedure based on 3D -planning



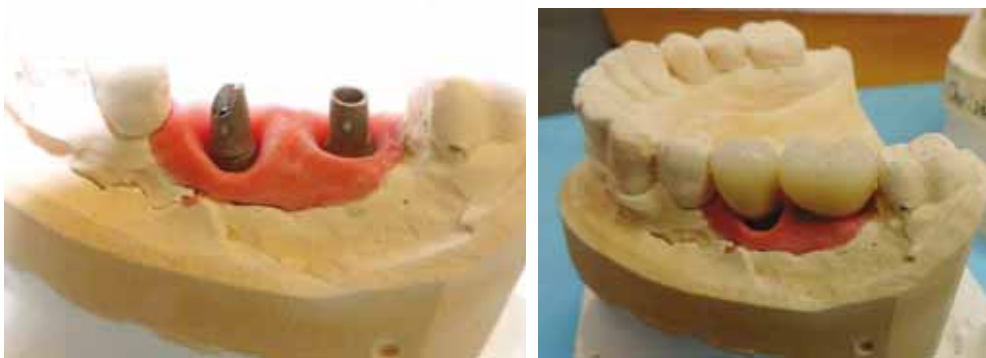


after placing the implantsbefore uncoveringafter uncovering



taking impression with an open tray

Lab work:



The final session:



Removing the healing caps



placing the abutments



checking contacts



cemented final crowns

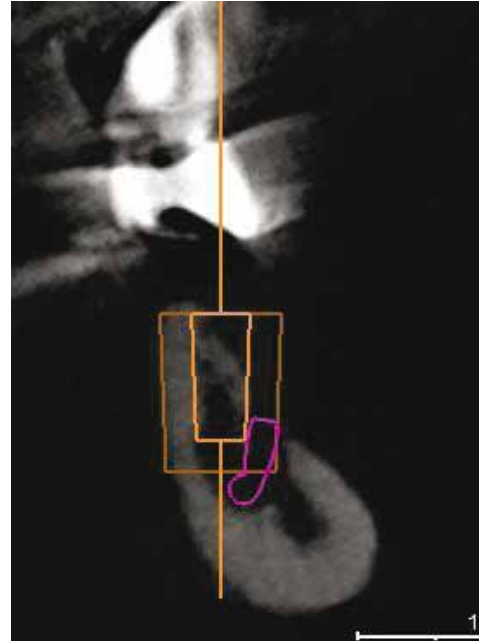
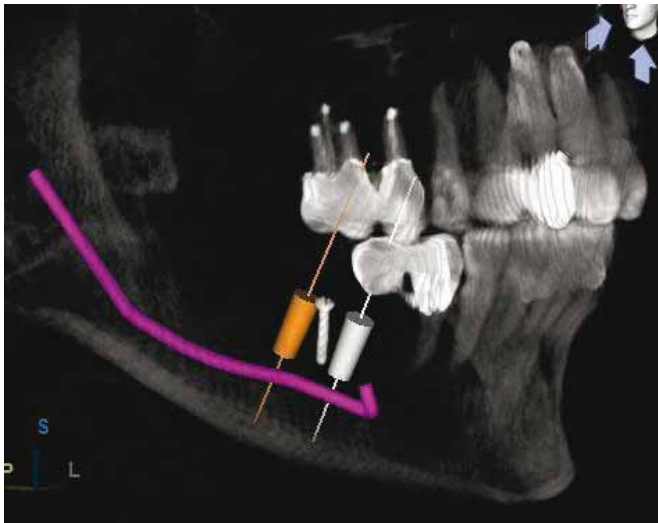
Patient: R. W., female, Berlin

Implantologist: Dr.Dr. Ehrl

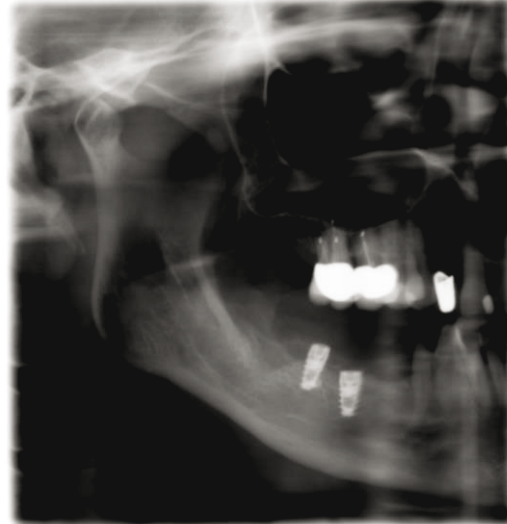
Age: 61, nonsmoker, Parkinson's disease

Diagnosis: loss of 45, 46, 47 . Horizontal and vertical loss of the alveolar ridge

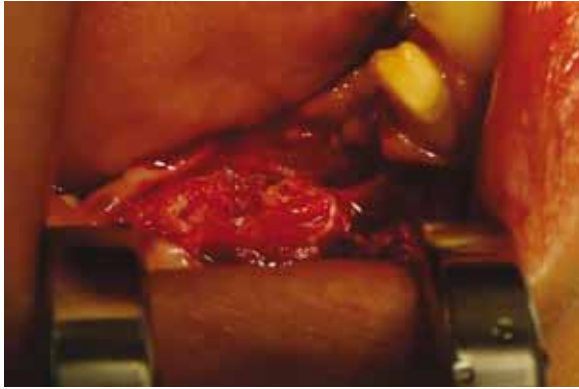
Pearl Implants by Zakton



Therapy: Two-phase-procedure with augmentation (human bone 3D-planned and -shaped) and implantation after 6 months.



After placing the allograft and after placing the implants.



Reopening after grafting, loss of some graft material



After placing the implants with secondary granulate grafting



Master casts with and without implant abutments

The final restoration



Patient: M. S., female, Berlin

Implantologist: Dr.Dr. Ehrl

Age: 34, no medical problems

Diagnosis: Loss of teeth 16 and 17.

Indication: Single tooth replacement.
Sinus elevation.



Pearl Implants by Zakton

Patient: H. G., female, Berlin

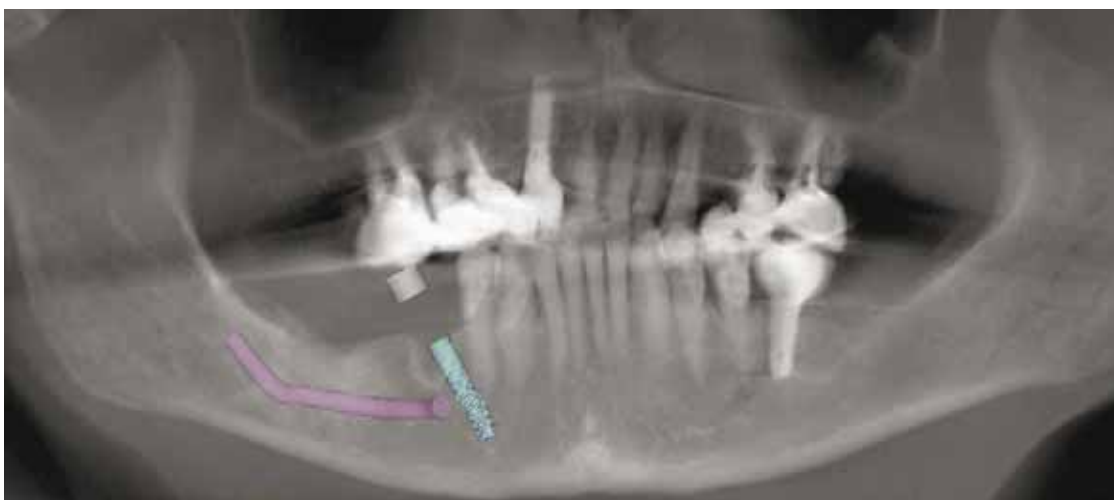
Implantologist: Dr.Dr. Ehrl

Age: 79, no medical problems

Diagnosis: Loss of teeth 45, 46, 47.

Indication: Shortened dental row. Because of the age of the patient there was no augmentation performed and a low-risk single tooth replacement with Dentalwings guided technique done to avoid hurting the N. alv. inf.

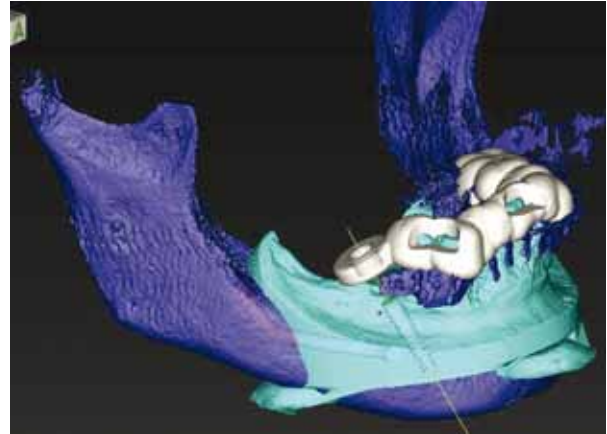
Pearl Implants by Zakton



Planning the implant in between N. alv. inf. and tooth 45, to avoid augmentation.



Oral situs.



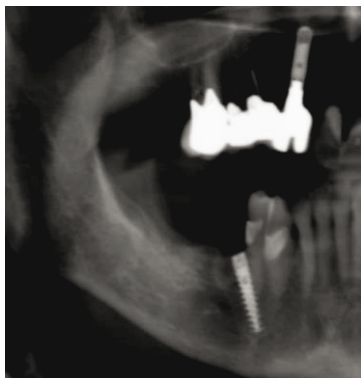
Planning the surgical guide to be 3D-printed



Surgical guide intraorally



Preparing and spreading the alveolar ridge



X-ray control



Keyhole approach, few stitches.



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