

# **CORTEX DENTAL IMPLANTS SYSTEM**

## **Clinical Case Report**

Cortex Dental Implants Industries Ltd

Tracking products: CORTEX DENTAL IMPLANTS SYSTEM

06 - 26 - 2012

Manufacturer: Cortex Dental Implants Industries Ltd  
Address: Industrial Zone Shlomi, 26 Ya'ara st., P.O. Box 125, Israel, 22832  
Tel: +972 4 9873970  
Fax:: +972 4 9873972  
Email: [info@cortex-dental.com](mailto:info@cortex-dental.com)  
[www.cortex-dental.com](http://www.cortex-dental.com)

## Preface

The Cortex products are intended for tooth replacements and restorations, it become comfortable and simple solutions to those patients that suffer tooth problem and lack of tooth.

CORTEX Dental implant Industries is a dental Implants company in Israel.

It's Dynamix, Classix and Smart on piece series of implant system are common products.

Cortex dental implant, material is Ti6AL4V. Raw material accord with the standard of international.

Clinical practice proves, Cortex implants material reach a standard, design precise and fine workmanship. In clinical usage can effective reduce patient's pain, at the same time without any harmful side effect

Cortex dental implant is through the authentication of FDA and CE. Cortex global sales reached 300,000 pieces in 2010, and increase 20% per year. Product sales had not inspected any adverse reaction until now, At the same time, through the products promotion and clinical use evaluation, Cortex implant sales increase stable every year. The detail as below:

2010	300,000 pieces
2011	360,000 pieces
2012-Jun 2012	220,000 pieces

In general, there is no problem of Cortex implant in biological performance and clinical safety.

## Clinical Case 1:



PRE OP full view: upper and lower dentition defect,  
16, 25, 35, 36, 37, 46, 47 were missing, 11 root tip pathological changes, implantation except 25



PRE OP photo inner oral





The defect of lower jaw



15 weeks post op, implant cuff molding, smooth and mellow. No red and swollen symptom of inflammation, no material fragment slop over



15 weeks post op, soft tissue surround drill base on lower jaw healing nice, no inflammation and fragment. Bone integration tightly



POST OP full view, bone integration nice and no obvious bone resorption



After denture implantation, neck age healing in health, no attachment recession and inflammation







**After denture implantation**

① doctor	Dr. Laster Zvika	② operation time	3.2009
③ patient		④ age	40
⑤ sex	M	⑥ position	16, 25, 35, 36, 37, 46, 47
⑦ implant	Dynamix Ø3.8 L11.5, Ø4.2 L10	⑧ quantity	7
Healing screw	CO-7103	Abutment	CO-8036
COVER SCREW	NA		
SCREW FOR ABUTMENT	CO-S030		
<p>⑨</p> <p>A. Findings</p> <ul style="list-style-type: none"> <li>• Apical radiolucency at #25</li> <li>• Smoker</li> </ul> <p>B. Plan and operation</p> <ul style="list-style-type: none"> <li>• #16, 25, 35, 36, 37, 46, 47implant placement</li> </ul> <p>C. Operation</p> <ol style="list-style-type: none"> <li>1. 2009.03.</li> <li>• #16, 25, 35, 36, 37, 46, 47implant placement</li> </ol> <p>D. Clinical follow-up after operation</p> <ol style="list-style-type: none"> <li>1. Patient had no pain, no swelling of gingiva and failure of osseointegration of the implant.</li> <li>2. The follow-up check dental X-ray of 1 year and 4 months after implant placement shows no marginal bone resorption and progressive bone healing of the extraction alveoli.</li> </ol> <p>E. Conclusion</p> <p>There were no signs of peri-implantitis around the implants on 1 year and 4 months after implant placement, no fibrosis, and bone loss value. The bone integration around the implant progressed according to plan without fatty infiltration, granuloma, etc.</p>			

## Clinical Case 2:



Full view - upper and lower dentition defect



Whole mouth unhealthy implantation. Remove and reform, missing position implantation



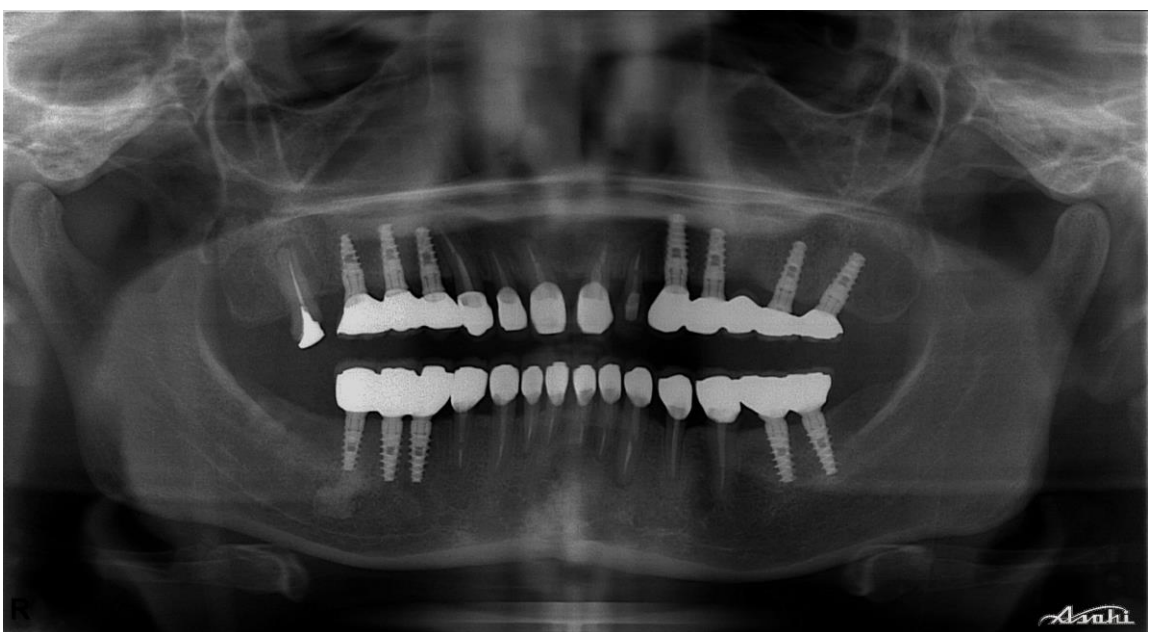
After 14 weeks, implant cuff molding, smooth and mellow. No symptom of inflammation, no material fragment



Upper repair complete, gingiva healing in healthy, no inflammation



After denture implantation gingiva around implant healing nice and had not inspected inflammation





Full view after 16 weeks denture implantation, bone integration nice and no bone resorption

① doctor	Dr. Laster Zvika	② operation time	3.2009
③ patient		④ age	45
⑤ sex	M	⑥ position	15, 16, 17, 23, 24, 26, 27, 46, 47, 48, 37, 38
⑦ implant	Dynamix Ø3.8 L11.5, L10	⑧ quantity	12
Healing screw	NA	Abutment	CO-8036
COVER SCREW	CS-0010		
SCREW FOR ABUTMENT	CO-S030		
<p>⑨</p> <p>A. Findings</p> <ul style="list-style-type: none"> <li>• Upper and lower dentition defect whole mouth unhealthy implantation</li> <li>• Non Smoker</li> </ul> <p>B. Plan and operation</p> <ul style="list-style-type: none"> <li>• Remove and reform missing positions</li> <li>• #15, 16, 17, 23, 24, 26, 27, 46, 47, 48, 37, 38 implant placement</li> </ul> <p>C. Operation</p> <ul style="list-style-type: none"> <li>• 2009.03.</li> <li>• #15, 16, 17, 23, 24, 26, 27, 46, 47, 48, 37, 38 implant placement</li> </ul> <p>D. Clinical follow-up after operation</p> <ol style="list-style-type: none"> <li>1. 14 weeks implant cuff molding smooth and mallow, no symptom of inflammation, no material fracture.</li> <li>2. Patient had no pain, no swelling of gingiva and failure of osseointegration of the implant.</li> <li>3. 16 weeks denture implantation, bone integration nice and no bone resorption.</li> <li>4. The follow-up check dental X-ray of 1 year and 4 months after implant placement shows no marginal bone resorption and progressive bone healing of the extraction alveoli.</li> </ol> <p>E. Conclusion</p> <p>There were no signs of peri-implantitis around the implants on 1 year and 4 months after implant placement, no fibrosis, and bone loss value. The bone integration around the implant progressed according to plan without fatty infiltration, granuloma, etc.</p>			

### Clinical Case 3:

**Female age 52**

Teeth 24,25 extracted and sockets were filled with DFDB particles



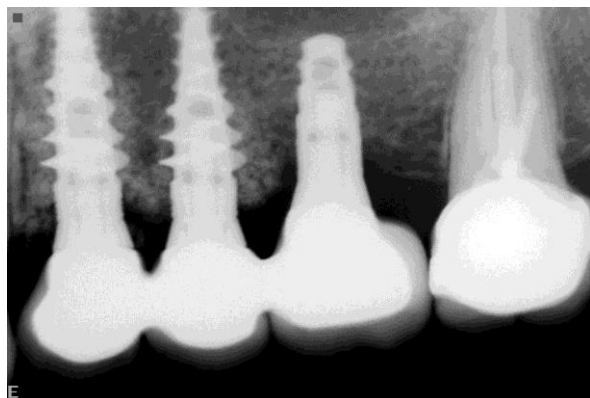
**3 months later**

2 Implants were inserted at 24,25 and a Classix Implant was inserted at 26. The implants were loaded on the day of implantation with temporary bridge.



**X-ray and photo of Final Restoration at day of construction**

4 months post implantation, the final bridge was constructed.



**X-ray and Photo 20 months post Implantation**

No bone loss and healthy soft tissue. Note the nice recovery and healing of the papillae , especially between 23 & 24



① doctor	Dr. Laster Zvika	② operation time	5.2009
③ patient		④ age	52
⑤ sex	F	⑥ position	24, 25, 26
⑦ implant	Classix Ø3.8 L8, Dynamix Ø3.8 L10	⑧ quantity	3
Healing screw	NA	Abutment	CO-8036
COVER SCREW	NA		
SCREW FOR ABUTMENT	CO-S030		

⑨

A. Findings

- #24 & #25 extraction and filled with bone graft
- Missing teeth #26 implantation
- Non Smoker

B. Plan and operation

- Extraction of #24 & #25 and implantation
- #26 implant placement

C. Operation

- 2009.05.
- #24 & #25 extraction
- #24 & #25 placement
- #26 implant placement

D. Clinical follow-up after operation

1. 4 months post implantation, final bridge construction.
2. Patient had no pain, no swelling of gingiva and failure of osseointegration of the implant.
3. The follow-up check dental X-ray of 1 year and 8 months after implant placement shows no marginal bone resorption and nice recovery and healing of the papillae.

E. Conclusion

There were no signs of peri-implantitis around the implants on 1 year and 8 months after implant placement, no fibrosis, and bone loss value. The bone integration around the implant progressed according to plan without fatty infiltration, granuloma, etc.

## Clinical Case 4:

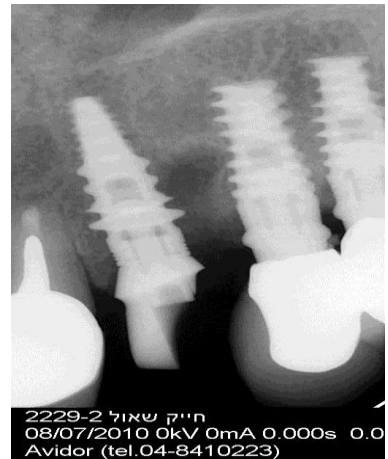
Male age 66

Tooth 22 – Extraction and immediate loading. implant is inserted with more than 40 Ncm torque



### X-ray and temporary crown on day of implantation

Note the radiolucent lesion caused by the extracted 22 socket



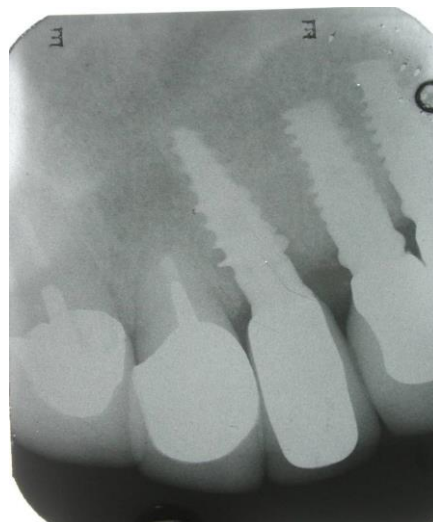
### 22 – Final restoration at Day of insertion





### 23 months post implantation

Note the healthy soft tissue . Papillae without recession and complete healing of the lesion.

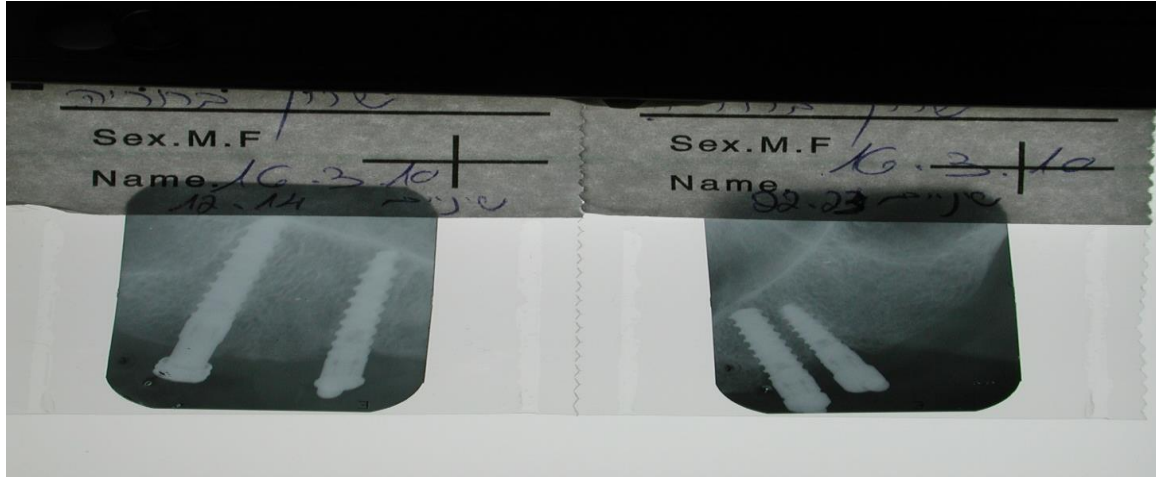


① doctor	Dr. Laster Zvika	② operation time	4.2009
③ patient		④ age	66
⑤ sex	M	⑥ position	22
⑦ implant	Dynamix Ø3.8 L11.5	⑧ quantity	1
Healing screw	CO-7103	Abutment	CO-8036
COVER SCREW	NA		
SCREW FOR ABUTMENT	CO-S030		
<p>⑨</p> <p>A. Findings</p> <ul style="list-style-type: none"> <li>• #22 extraction</li> <li>• Smoker</li> </ul> <p>B. Plan and operation</p> <ul style="list-style-type: none"> <li>• Extraction of #22 and implantation</li> <li>• #22 immediate loading at the same day</li> </ul> <p>C. Operation</p> <ul style="list-style-type: none"> <li>• 2009.04.</li> <li>• #22 extraction</li> <li>• #22 placement</li> </ul> <p>D. Clinical follow-up after operation</p> <ol style="list-style-type: none"> <li>1. The follow-up check dental X-ray of 1 year and 11 months after implant placement shows no marginal bone resorption and nice recovery and healing of the papillae.</li> </ol> <p>E. Conclusion</p> <p>There were no signs of peri-implantitis around the implants on 1 year and 11 months after implant placement, no fibrosis, and bone loss value. The bone integration around the implant progressed according to plan without fatty infiltration, granuloma, etc.</p>			

## Clinical Case 5:

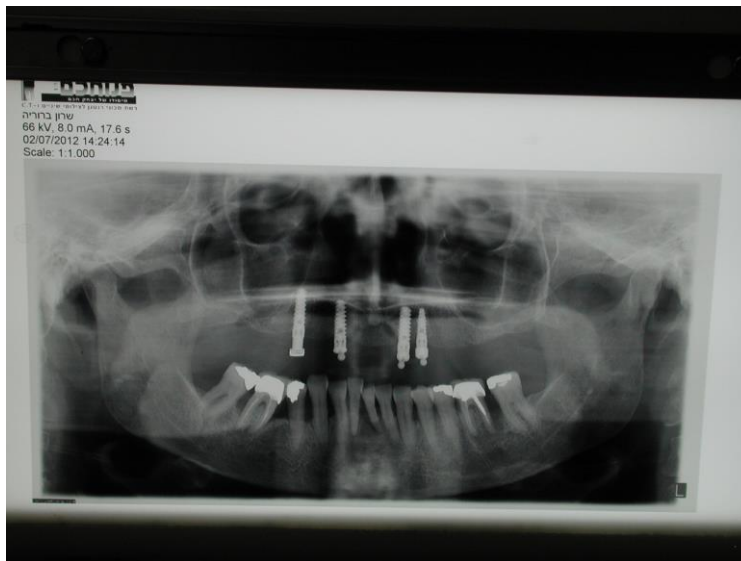
Female age 65

4 implants inserted in the maxilla for denture retention. Retention was too difficult to remove by the patient; therefore the locator at 14 was freed and not used



### Checkup 28 months Post-Op

No signs of bone loss .



### Intra Oral View – 28 months post-Op

No signs of Mucositis or peri-implantitis. Pink healthy Gingivae.



① doctor	Dr. Laster Zvika	② operation time	3.2010
③ patient		④ age	65
⑤ sex	F	⑥ position	12, 14, 22, 23
⑦ implant	Dynamix Ø3.8 L11.5, L13	⑧ quantity	4
Healing screw	NA	Abutment	CO-6204
COVER SCREW	CS-0010		
SCREW FOR ABUTMENT	NA		

⑨

A. Findings

- Four implants in the maxilla, for denture retention
- Non Smoker

B. Plan and operation

- #12, #14, #22, #23 placement

C. Operation

- 2010.03.
- #12, #14, #22, #23 placement

D. Clinical follow-up after operation

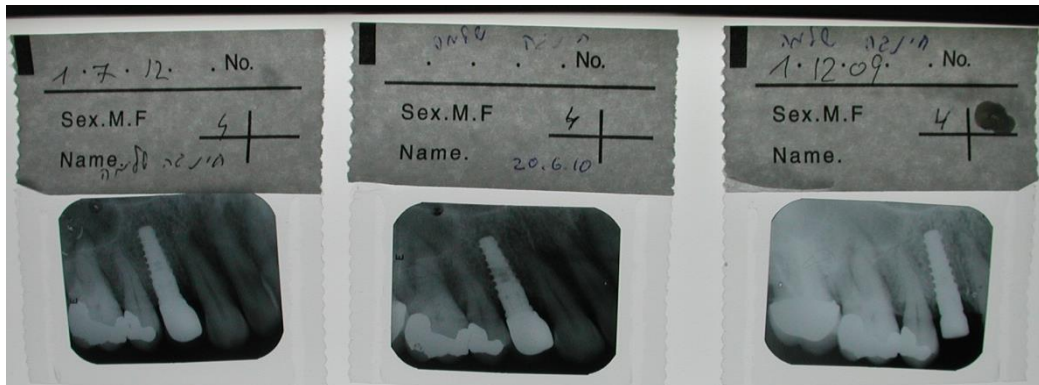
1. The follow-up check dental X-ray of 2 year and 6 months after implant placement shows no marginal bone resorption

E. Conclusion

There were no signs of peri-implantitis around the implants on 2 year and 6 months after implant placement, no fibrosis, and bone loss value. The bone integration around the implant progressed according to plan without fatty infiltration, granuloma, etc.

## Clinical Case 6:

14 implant male age 48



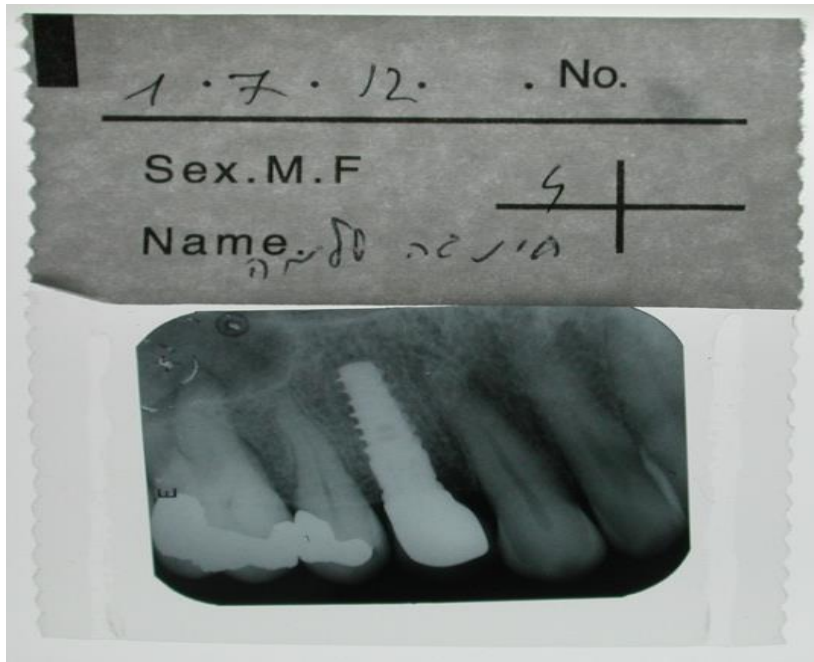
14 implant – Day of insertion with healing cap    14 implant – Day of Final crown restoration



14 implant – 12 months later

Bone integration in good situation, had not inspected inflammation symptom around implant, no fibrosis/fibrous capsule, no degeneration as determined by changes in tissue morphology, etc.





① doctor	Dr. Laster Zvika	② operation time	12. 2009
③ patient		④ age	48
⑤ sex	M	⑥ position	22
⑦ implant	Dynamix Ø3.8 L11.5	⑧ quantity	14
Healing screw	CO-7103	Abutment	CO-8036
COVER SCREW	NA		
SCREW FOR ABUTMENT	CO-S030		

⑨

A. Findings

- #22 extraction
- Smoker

B. Plan and operation

- Extraction of #22 and implantation
- #22 immediate loading at the same day

C. Operation

- 2009.04.
- #22 extraction
- #22 placement

D. Clinical follow-up after operation

1. The follow-up check dental X-ray of 1 year and 11 months after implant placement shows no marginal bone resorption and nice recovery and healing of the papillae.

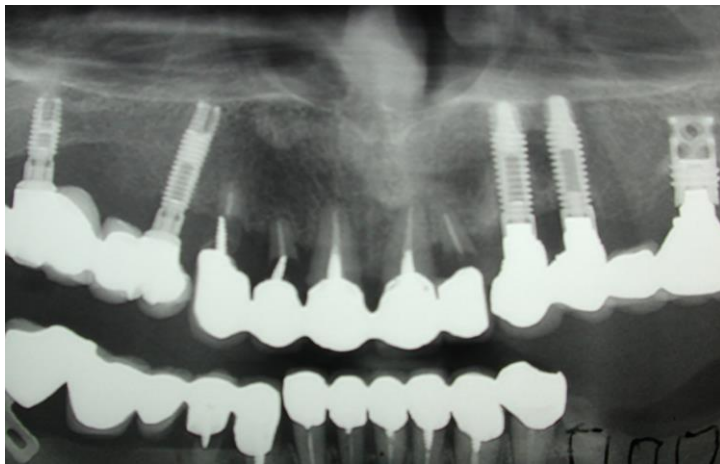
E. Conclusion

There were no signs of peri-implantitis around the implants on 1 year and 11 months after implant placement, no fibrosis, and bone loss value. The bone integration around the implant progressed according to plan without fatty infiltration, granuloma, etc.

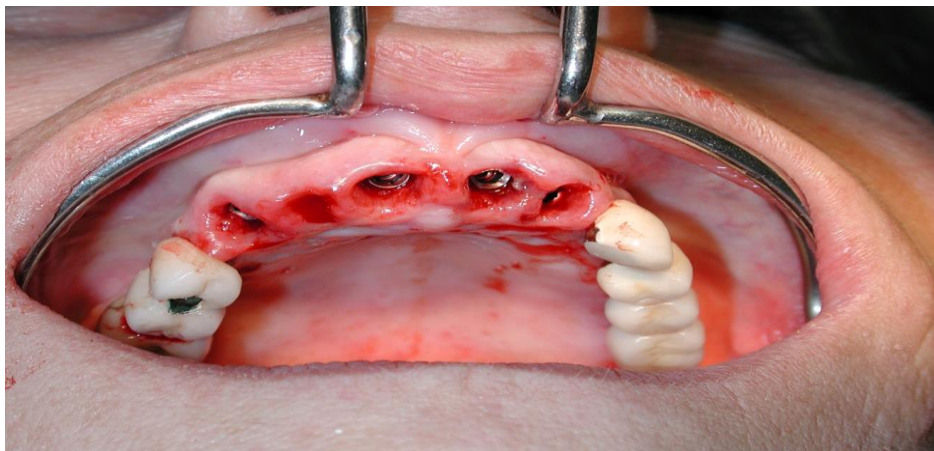
### Clinical Case 8:

#### 11, 12,13,21,22 implants

Extractions and immediate implantation with immediate loading *PRE-OP*



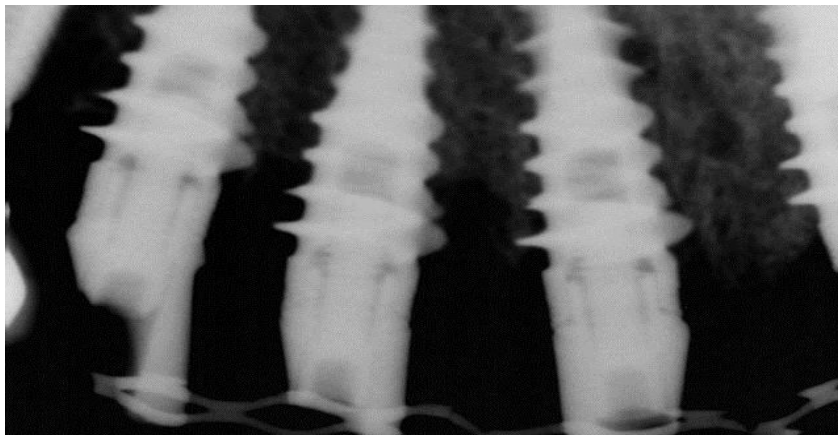
Implants inserted – 11, 12, 13, 21, 22



Temporary bridge constructed



X-ray temporary bridge on day of implantation 20.9.10



Gingivae at the day of final restoration -15.1.11

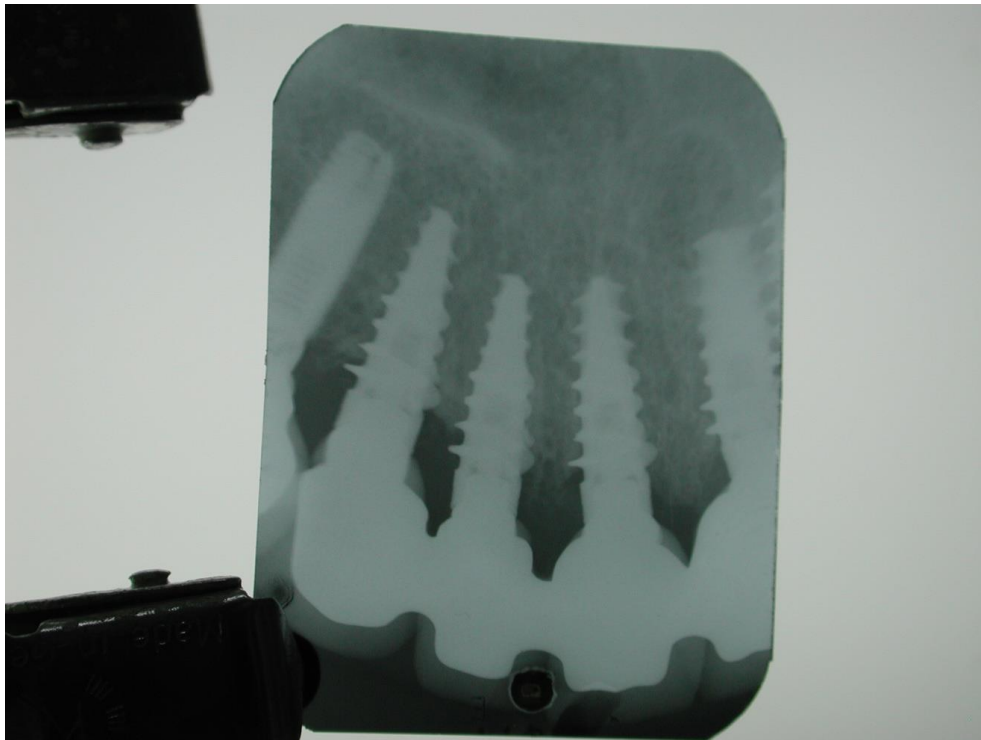


Final restoration



**X-Ray checkup – 25.7.12 . 22months post-op**

Bone integration in good situation, had not inspected inflammation symptom around implant, no fibrosis/fibrous capsule, no degeneration as determined by changes in tissue morphology, etc.





① doctor	Dr. Laster Zvika	② operation time	09. 2010
③ patient		④ age	50
⑤ sex	F	⑥ position	11,12,13,21,22
⑦ implant	Dynamix Ø3.8 L10, L11.5, L13	⑧ quantity	5
Healing screw	CO-7103	Abutment	CO-8036
COVER SCREW	NA		
SCREW FOR ABUTMENT	CO-S030		

⑨

A. Findings

- #11,12,13,21,22 implantation
- Non Smoker

B. Plan and operation

- #11,12,13,21,22 implantation
- #11,12,13,21,22 immediate loading at the same day; temporary bridge

C. Operation

- 2010.09.
- #11,12,13,21,22 implantation
- #11,12,13,21,22 immediate loading at the same day; temporary bridge

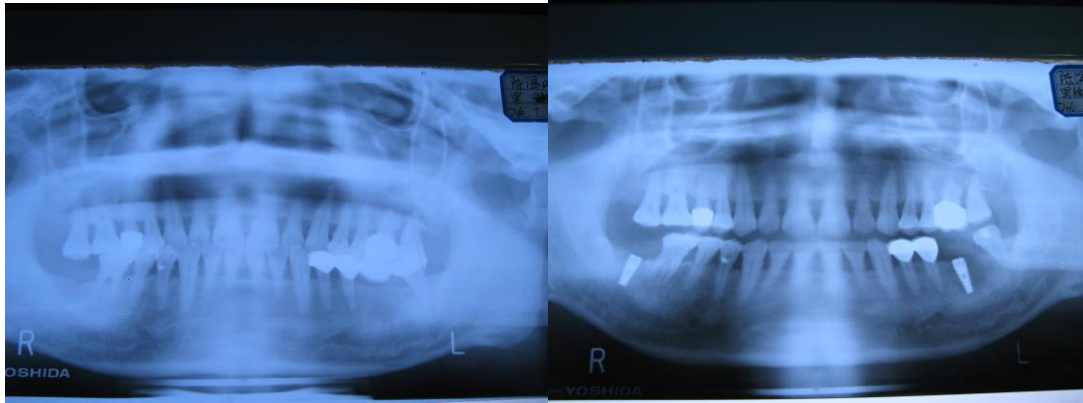
D. Clinical follow-up after operation

1. The follow-up check dental X-ray of 1 year and 10 months after implant placement shows no marginal bone resorption and nice recovery and healing of the papillae.

E. Conclusion

Bone integration in good situation, had not inspected inflammation symptom around implant, no fibrosis/fibrous capsule, no degeneration as determined by changes in tissue morphology, etc.

## Clinical Case 12:



Before surgery, 47 was missing, 34、 35、 36、 37 bridge repair.

12 weeks after surgery, bone integration in good situation, around implant and drill base had not inspected material fragment, fatty infiltration, granuloma, tissue necrosis, morphology changes and degeneration etc.

① doctor	Dr. Laster Zvika	② operation time	09. 2010
③ patient		④ age	49
⑤ sex	F	⑥ position	34,35,36,37, 47
⑦ implant	Dynamix Ø3.8 L11.5	⑧ quantity	5
Healing screw	CO-7103	Abutment	CO-8036
COVER SCREW	NA		
SCREW FOR ABUTMENT	CO-S030		

⑨

### A. Findings

- #34,35,36,37, 47 implantation
- Smoker

### B. Plan and operation

- #34,35,36,37, 47 implantation
- # 47 immediate loading at the same day; #34,35,36,37 temporary bridge

### C. Operation

- 2010.09.
- #34,35,36,37, 47 implantation
- # 47 immediate loading at the same day; #34,35,36,37 temporary bridge

### D. Clinical follow-up after operation

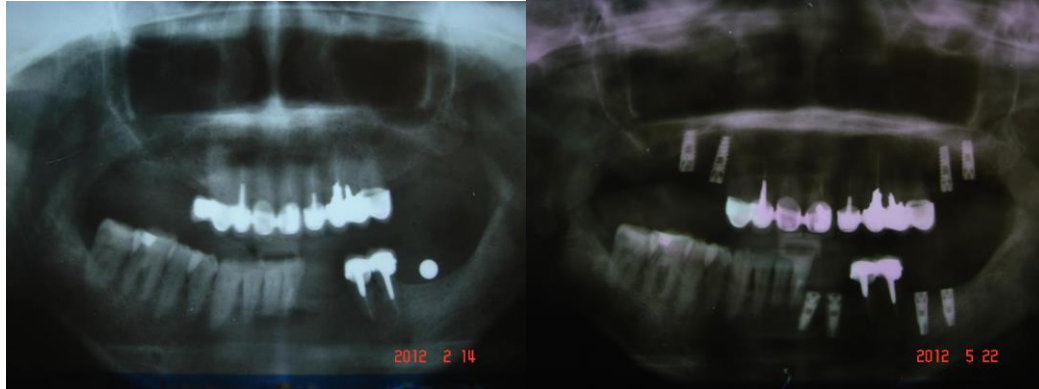
1. The follow-up check dental X-ray of 1 year and 6 months after implant placement shows no marginal bone resorption and nice recovery and healing of the papillae.

### E. Conclusion

Bone integration in good situation, had not inspected inflammation symptom around implant, no

fibrosis/fibrous capsule, no degeneration as determined by changes in tissue morphology, etc.

### Clinical Case 15:



16, 17, 26, 27, 32, 33, 36, 37 were missing, implantation repair.

13 weeks after surgery, around implant had not inspected inflammation symptom, no material fragment, fatty infiltration, etc.

① doctor	Dr. Laster Zvika	② operation time	05. 2012
③ patient		④ age	46
⑤ sex	M	⑥ position	16, 17, 26, 27, 32, 33, 36, 37
⑦ implant	Dynamix Ø4.2 Ø3.8 L13, L11.5	⑧ quantity	8
Healing screw	CO-7103	Abutment	CO-8036
COVER SCREW	NA		
SCREW FOR ABUTMENT	CO-S030		

⑨

#### A. Findings

- #16, 17, 26, 27, 32, 33, 36, 37 implantation
- Smoker

#### B. Plan and operation

- #16, 17, 26, 27, 32, 33, 36, 37 implantation
- #16, 17, 26, 27, 32, 33, 36, 37 implantation immediate loading at the same day;

#### C. Operation

- 2012.05.
- #16, 17, 26, 27, 32, 33, 36, 37 implantation
- #16, 17, 26, 27, 32, 33, 36, 37 implantation immediate loading at the same day;

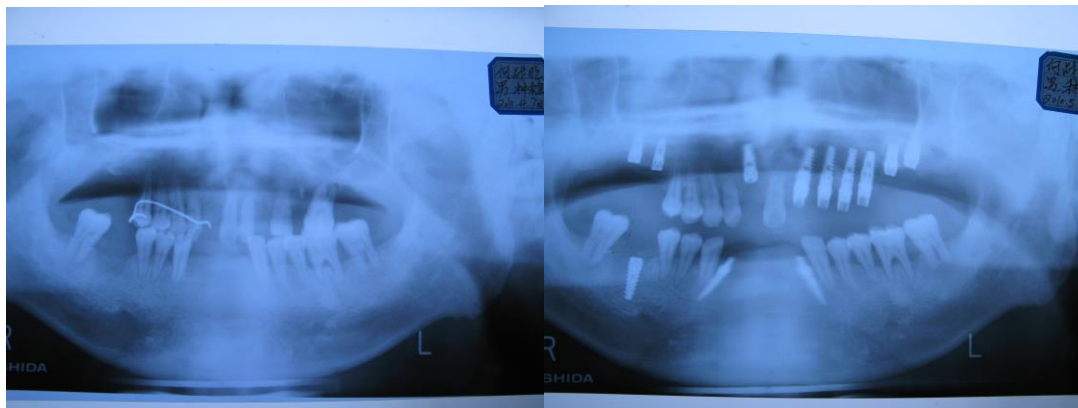
#### D. Clinical follow-up after operation

1. The follow-up check dental X-ray of 1 year and 6 months after implant placement shows no marginal bone resorption and nice recovery and healing of the papillae.

#### E. Conclusion

Bone integration in good situation, had not inspected inflammation symptom around implant, no fibrosis/fibrous capsule, no degeneration as determined by changes in tissue morphology, etc.

### Clinical Case 16:



11, 16, 17, 23, 25, 27, 31, 32, 41, 42, 46 were missing and replace with implant; 22, 25, 26 serious periodontitis, looseness degree 3, remove and use implant instead. 25 weeks after surgery, around implant and drill base had not inspected inflammation symptom; material/tissue interface had not inspected inflammation symptom; no material fragment, fatty infiltration, granuloma, ect.

① doctor	Dr. Laster Zvika	② operation time	09. 2010
③ patient		④ age	52
⑤ sex	F	⑥ position	11, 16, 17, 22, 23, 25, 26, 27, 31, 32, 41, 42, 46
⑦ implant	Dynamix Ø3.8 L10, L11.5, L13	⑧ quantity	13
Healing screw	CO-7103	Abutment	CO-8036
COVER SCREW	NA		
SCREW FOR ABUTMENT	CO-S030		

⑨

A. Findings

- #11, 16, 17, 22, 23, 25, 26, 27, 31, 32, 41, 42, 46 implantation
- Smoker

B. Plan and operation

- #11, 16, 17, 22, 23, 25, 26, 27, 31, 32, 41, 42, 46 implantation
- Immediate loading at the same day

C. Operation

- 2010.09.
- #11, 16, 17, 22, 23, 25, 26, 27, 31, 32, 41, 42, 46 implantation

D. Clinical follow-up after operation

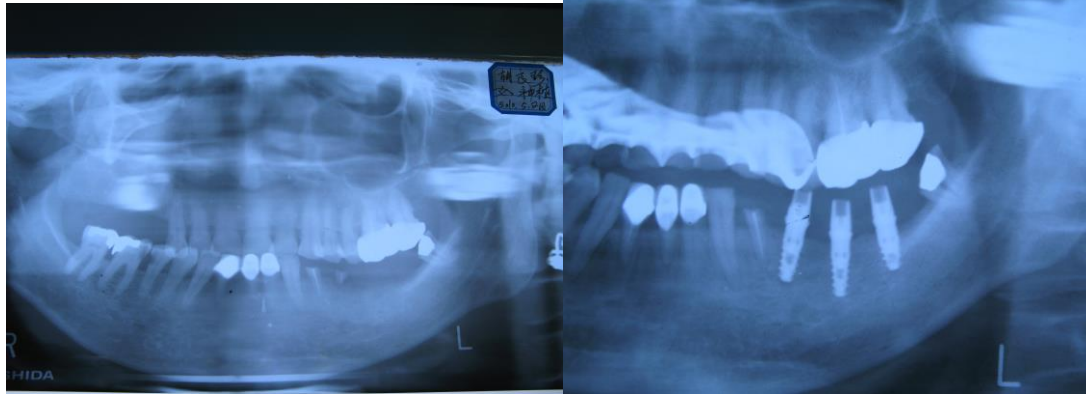
1. The follow-up check dental X-ray of 1 year and 4 months after implant placement shows no marginal bone resorption and nice recovery and healing of the papillae.



### E. Conclusion

Bone integration in good situation, had not inspected inflammation symptom around implant, no fibrosis/fibrous capsule, no degeneration as determined by changes in tissue morphology, etc.

### Clinical Case 17:



35 residual root replaced with implant; 36, 37 were missing, implantation. 12 weeks after surgery, no material fragment, fatty infiltration, granuloma, ect.

① doctor	Dr. Laster Zvika	② operation time	07. 2010
③ patient		④ age	50
⑤ sex	M	⑥ position	35,36,37
⑦ implant	Dynamix Ø3.8 L11.5	⑧ quantity	3
Healing screw	CO-7103	Abutment	CO-8036
COVER SCREW	NA		
SCREW FOR ABUTMENT	CO-S030		

⑨

#### A. Findings

- #35,36,37 implantation
- Smoker

#### B. Plan and operation

- #35,36,37 implantation
- immediate loading at the same day

#### C. Operation

- 2010.07.
- #35,36,37 implantation
- immediate loading at the same day

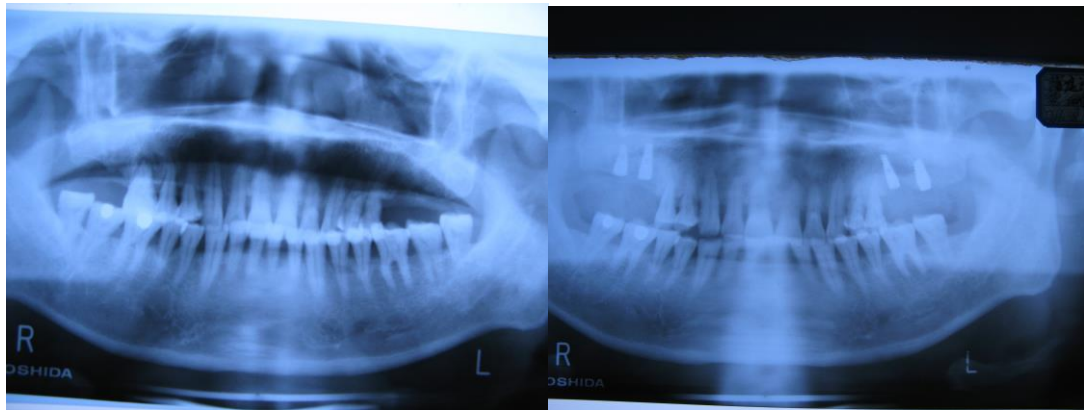
#### D. Clinical follow-up after operation

1. The follow-up check dental X-ray of 1 year and 5 months after implant placement shows no marginal bone resorption and nice recovery and healing of the papillae.

**E. Conclusion**

Bone integration in good situation, had not inspected inflammation symptom around implant, no fibrosis/fibrous capsule, no degeneration as determined by changes in tissue morphology, etc.

**Clinical Case 18:**



16, 17, 26, 27 were missing, bone mass insufficient, sinus lifts and implantation in the corresponding period.

16 weeks after surgery, bone integration in good situation, had not inspected inflammation symptom around implant, no fibrosis/fibrous capsule, no degeneration as determined by changes in tissue morphology, etc.

① doctor	Dr. Laster Zvika	② operation time	06. 2009
③ patient		④ age	51
⑤ sex	F	⑥ position	16, 17, 26, 27
⑦ implant	Dynamix Ø3.8 L11.5	⑧ quantity	4
Healing screw	CO-7103	Abutment	CO-8036
COVER SCREW	NA		
SCREW FOR ABUTMENT	CO-S030		

⑨

**A. Findings**

- #16, 17, 26, 27 missing
- Smoker

**B. Plan and operation**

- #16, 17, 26, 27 implantation
- immediate loading at the same day

**C. Operation**

- 2009.06.
- #16, 17, 26, 27 implantation
- immediate loading at the same day

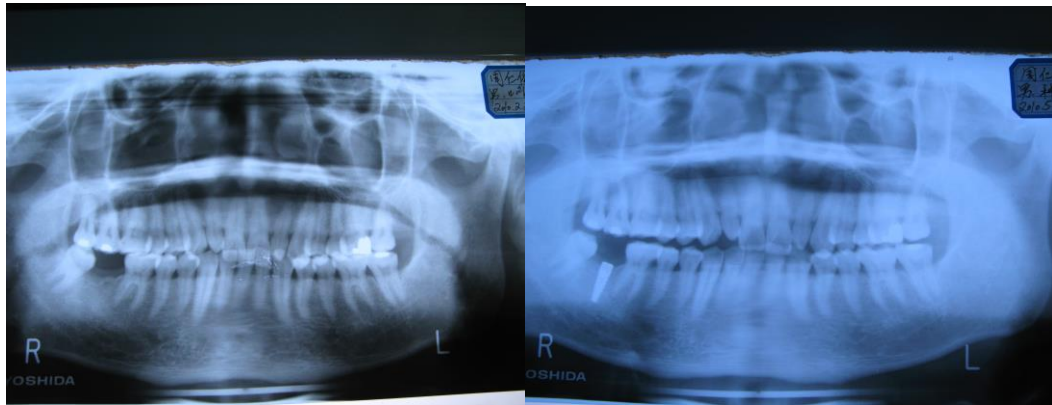
D. Clinical follow-up after operation

1. The follow-up check dental X-ray of 1 year and 8 months after implant placement shows no marginal bone resorption. Had not inspected inflammation around implant

E. Conclusion

There were no signs of peri-implantitis around the implants on 1 year and 8 months after implant placement, no fibrosis, and bone loss value. The bone integration around the implant progressed according to plan without fatty infiltration, granuloma, etc.

### Clinical Case 19:



47 was missing, implantation.

12 weeks after surgery, bone integration in good situation, had not inspected material fragment, inflammation cell, fatty infiltration, granuloma, etc.

① doctor	Dr. Laster Zvika	② operation time	05. 2009
③ patient		④ age	50
⑤ sex	M	⑥ position	47
⑦ implant	Dynamix Ø4.2 L11.5	⑧ quantity	1
Healing screw	CO-7103	Abutment	CO-8036
COVER SCREW	NA		
SCREW FOR ABUTMENT	CO-S030		

⑨

A. Findings

- #47 missing
- Non Smoker

B. Plan and operation

- #47 implantation

- immediate loading at the same day

C. Operation

- 2009.05.
- #47 implantation
- immediate loading at the same day

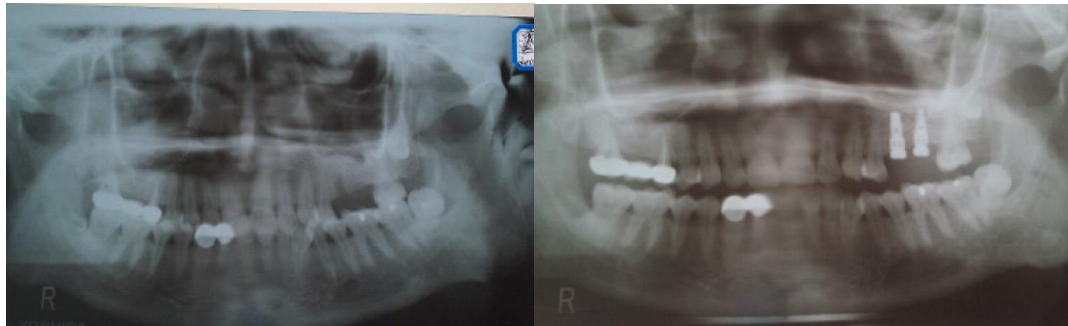
D. Clinical follow-up after operation

1. The follow-up check dental X-ray of 1 year and 7 months after implant placement shows no marginal bone resorption and nice recovery and healing of the papillae.

E. Conclusion

Bone integration in good situation, had not inspected inflammation symptom around implant, no fibrosis/fibrous capsule, no degeneration as determined by changes in tissue morphology, etc.

**Clinical Case 20:**



26, 27 were missing, implantation.

16 weeks after surgery, had not inspected inflammation symptom around implant, no tissue necrosis, material fragment, fatty infiltration, granuloma, ect. Bone integration in good situation.

① doctor	Dr. Laster Zvika	② operation time	09. 2009
③ patient		④ age	50
⑤ sex	F	⑥ position	26, 27
⑦ implant	Dynamix Ø4.2 L11.5	⑧ quantity	2
Healing screw	CO-7103	Abutment	CO-8036
COVER SCREW	NA		
SCREW FOR ABUTMENT	CO-S030		

⑨  
A. Findings



- #26, 27 missing
- Non Smoker

**B. Plan and operation**

- #26, 27 implantation
- immediate loading at the same day

**C. Operation**

- 2009.09.
- #26, 27 implantation
- immediate loading at the same day

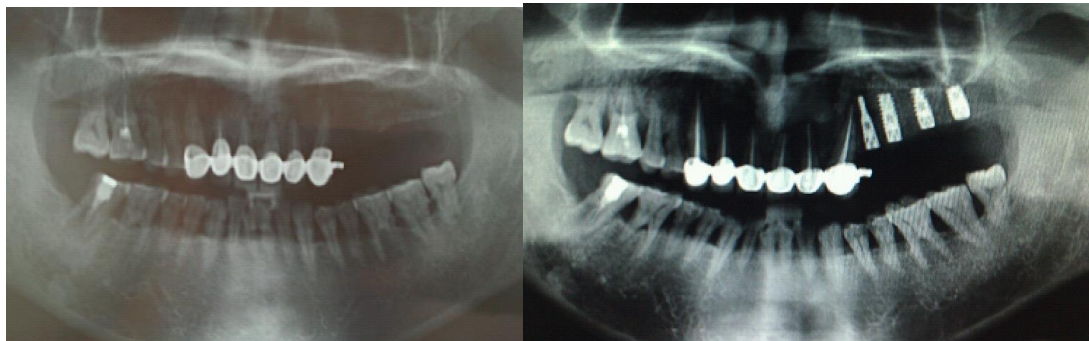
**D. Clinical follow-up after operation**

1. The follow-up check dental X-ray of 1 year and 7 months after implant placement shows no marginal bone resorption and nice recovery and healing of the papillae.

**E. Conclusion**

Bone integration in good situation, had not inspected inflammation symptom around implant, no fibrosis/fibrous capsule, no degeneration as determined by changes in tissue morphology, etc.

**Clinical Case 21:**



24, 25, 26, 27 were missing.

16 weeks after surgery, around implant patient did not have uncomfortable feeling, bone integration in good situation, had not inspected inflammation, necrosis, fragment, fatty infiltration, granuloma, etc.

① doctor	Dr. Laster Zvika	② operation time	11. 2009
③ patient		④ age	47
⑤ sex	F	⑥ position	24, 25, 26, 27
⑦ implant	Dynamix Ø3.8 Ø4.2 L10, L11.5	⑧ quantity	4
Healing screw	CO-7103	Abutment	CO-8036

COVER SCREW	NA		
SCREW FOR ABUTMENT	CO-S030		
<p>⑨</p> <p>A. Findings</p> <ul style="list-style-type: none"> <li>• #24, 25, 26, 27 missing</li> <li>• Non Smoker</li> </ul> <p>B. Plan and operation</p> <ul style="list-style-type: none"> <li>• #24, 25, 26, 27 implantation</li> <li>• immediate loading at the same day</li> </ul> <p>C. Operation</p> <ul style="list-style-type: none"> <li>• 2009.11.</li> <li>• #24, 25, 26, 27 implantation</li> <li>• immediate loading at the same day</li> </ul> <p>D. Clinical follow-up after operation</p> <ol style="list-style-type: none"> <li>1. The follow-up check dental X-ray of 1 year and 5 months after implant placement shows no marginal bone resorption and nice recovery and healing of the papillae.</li> </ol> <p>E. Conclusion</p> <p>Bone integration in good situation, had not inspected inflammation symptom around implant, no fibrosis/fibrous capsule, no degeneration as determined by changes in tissue morphology, etc.</p>			

### Clinical Case 22:



15-17 bridge repair, 16 was missing, remove and implantation. 25 earlier stage implantation, 26, 27 bone mass insufficient, sinus lifts and implantation in the corresponding period. 47 periodontitis, alveolar absorb, remove and implantation. 18 weeks after surgery, bone integration in good situation, around implant had not inspected material fragment, fatty infiltration, granuloma, etc.

① doctor	Dr. Laster Zvika	② operation time	11. 2010
③ patient		④ age	53
⑤ sex	M	⑥ position	15, 16, 17, 26, 27, 47

⑦ implant	Dynamix Ø3.8 Ø4.2 L10, L11.5	⑧ quantity	6
Healing screw	CO-7103	Abutment	CO-8036
COVER SCREW	NA		
SCREW FOR ABUTMENT	CO-S030		
<p>⑨</p> <p>A. Findings</p> <ul style="list-style-type: none"> <li>• #16 missing, #15-17 bridge, #26-27 sinus lift &amp; implantation, #47 alveolar absorb</li> <li>• Non Smoker</li> </ul> <p>B. Plan and operation</p> <ul style="list-style-type: none"> <li>• #15, 16, 17 implantation</li> <li>• #26, 27, 47 extraction &amp; implantation</li> <li>• immediate loading at the same day</li> </ul> <p>C. Operation</p> <ul style="list-style-type: none"> <li>• 2010.11.</li> <li>• #15, 16, 17 implantation</li> <li>• #26, 27, 47 extraction &amp; implantation</li> <li>• immediate loading at the same day</li> </ul> <p>D. Clinical follow-up after operation</p> <ol style="list-style-type: none"> <li>1. The follow-up check dental X-ray of 1 year and 9 months after implant placement shows no marginal bone resorption and nice recovery and healing of the papillae.</li> </ol> <p>E. Conclusion</p> <p>Bone integration in good situation, had not inspected inflammation symptom around implant, no fibrosis/fibrous capsule, no degeneration as determined by changes in tissue morphology, etc.</p>			

### Clinical Case 23:



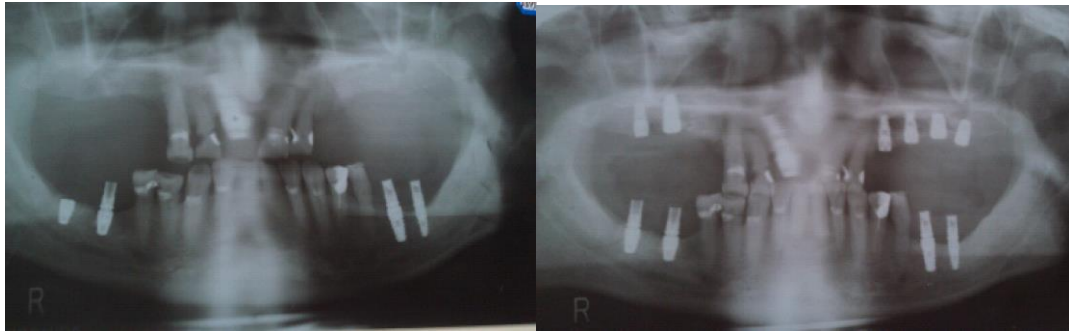
44, 45 bad single-ended prosthesis, 46, 47 were missing, remove, 46, 47 implantation. 13 weeks after surgery, bone integration in good situation, around implant and drill base had not

inspected inflammation symptom, material fragment, fatty infiltration, granuloma, etc.

① doctor	Dr. Laster Zvika	② operation time	06. 2010
③ patient		④ age	54
⑤ sex	F	⑥ position	44, 45, 46, 47
⑦ implant	Dynamix Ø3.8 L11.5	⑧ quantity	4
Healing screw	CO-7103	Abutment	CO-8036
COVER SCREW	NA		
SCREW FOR ABUTMENT	CO-S030		
<p>⑨</p> <p>A. Findings</p> <ul style="list-style-type: none"> <li>• #46, 47 missing, #44, 45 restoration</li> <li>• Non Smoker</li> </ul> <p>B. Plan and operation</p> <ul style="list-style-type: none"> <li>• #46, 47 implantation, #44, 45 restoration</li> <li>• immediate loading at the same day</li> </ul> <p>C. Operation</p> <ul style="list-style-type: none"> <li>• 2010.06.</li> <li>• #46, 47 missing, #44, 45 restoration</li> <li>• immediate loading at the same day</li> </ul> <p>D. Clinical follow-up after operation</p> <ol style="list-style-type: none"> <li>1. The follow-up check dental X-ray of 1 year and 9 months after implant placement shows no marginal bone resorption and nice recovery and healing of the papillae.</li> </ol> <p>E. Conclusion</p> <p>Bone integration in good situation, had not inspected inflammation symptom around implant, no fibrosis/fibrous capsule, no degeneration as determined by changes in tissue morphology, etc.</p> <p>.</p>			



## Clinical Case 24:



15, 16, 17, 23, 24, 25, 26, 27 were missing;  
16, 17, 23, 24, 25, 26 implantation.

16 weeks after surgery, bone integration in good situation, around implant and drill base had not inspected inflammation symptom, material fragment, fatty infiltration, granuloma, etc.

① doctor	Dr. Laster Zvika	② operation time	08. 2010
③ patient		④ age	56
⑤ sex	M	⑥ position	16, 17, 23, 24, 25, 26
⑦ implant	Dynamix Ø4.2 L8, L10	⑧ quantity	6
Healing screw	CO-7103	Abutment	CO-8036
COVER SCREW	NA		
SCREW FOR ABUTMENT	CO-S030		

⑨

### A. Findings

- #15, 16, 17, 23, 24, 25, 26, 27 missing
- Smoker

### B. Plan and operation

- #16, 17, 23, 24, 25, 26 implantation
- immediate loading at the same day

### C. Operation

- 2010.08.
- #16, 17, 23, 24, 25, 26 implantation
- immediate loading at the same day

### D. Clinical follow-up after operation

1. The follow-up check dental X-ray of 1 year and 10 months after implant placement shows no marginal bone resorption and nice recovery and healing of the papillae.

### E. Conclusion

Bone integration in good situation, had not inspected inflammation symptom around implant, no fibrosis/fibrous capsule, no degeneration as determined by changes in tissue morphology, etc.

## Clinical Case 25:

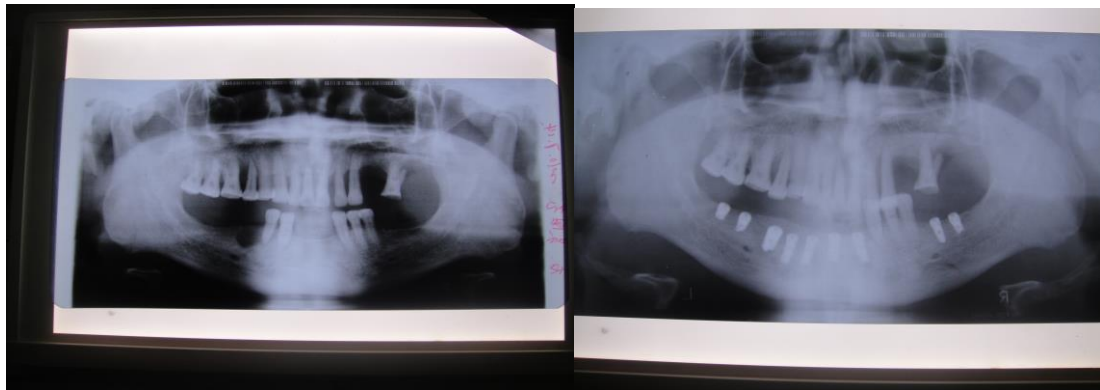


26, 27 were missing, dental implantation.

16 weeks after surgery, around implant no adverse reaction, fibrosis/fibrous capsule, tissue necrosis, fatty infiltration, granuloma, etc.

① doctor	Dr. Laster Zvika	② operation time	06. 2010
③ patient		④ age	58
⑤ sex	M	⑥ position	26, 27
⑦ implant	Dynamix Ø3.8 Ø4.2 L8, L10	⑧ quantity	2
Healing screw	CO-7103	Abutment	CO-8036
COVER SCREW	NA		
SCREW FOR ABUTMENT	CO-S030		
<p>⑨</p> <p>A. Findings</p> <ul style="list-style-type: none"> <li># 26, 27 missing</li> <li>Smoker</li> </ul> <p>B. Plan and operation</p> <ul style="list-style-type: none"> <li>#26, 27 implantation</li> <li>immediate loading at the same day</li> </ul> <p>C. Operation</p> <ul style="list-style-type: none"> <li>2010.06.</li> <li>#26, 27 implantation</li> <li>immediate loading at the same day</li> </ul> <p>D. Clinical follow-up after operation</p> <ol style="list-style-type: none"> <li>The follow-up check dental X-ray of 1 year and 10 months after implant placement shows no marginal bone resorption and nice recovery and healing of the papillae.</li> </ol> <p>E. Conclusion</p> <p>Bone integration in good situation, had not inspected inflammation symptom around implant, no fibrosis/fibrous capsule, no degeneration as determined by changes in tissue morphology, etc.</p>			

## Clinical Case 26:



24, 25, 27, 28, 31, 32, 36, 37, 38, 41, 44, 45, 46, 47, 48 were missing; 31, 36, 37, 41, 42, 43, 44, 46, 47 implantation. 20 weeks after surgery, around implant no adverse reaction, fibrosis/fibrous capsule, tissue necrosis, fatty infiltration, granuloma, etc.

① doctor	Dr. Laster Zvika	② operation time	09. 2010
③ patient		④ age	57
⑤ sex	M	⑥ position	31, 36, 37, 41, 42, 43, 44, 46, 47
⑦ implant	Dynamix Ø3.8 L6, L8, L10, L11.5	⑧ quantity	9
Healing screw	CO-7103	Abutment	CO-8036
COVER SCREW	NA		
SCREW FOR ABUTMENT	CO-S030		

⑨

### A. Findings

- # 24, 25, 27, 28, 31, 32, 36, 37, 38, 41, 44, 45, 46, 47, 48 missing
- Non Smoker

### B. Plan and operation

- #31, 36, 37, 41, 42, 43, 44, 46, 47 implantation
- immediate loading at the same day

### C. Operation

- 2010.09.
- #31, 36, 37, 41, 42, 43, 44, 46, 47 implantation
- immediate loading at the same day

### D. Clinical follow-up after operation

1. The follow-up check dental X-ray of 2 year and 1 month after implant placement shows no marginal bone resorption and nice recovery and healing of the papillae.

### E. Conclusion

Bone integration in good situation, had not inspected inflammation symptom around implant, no fibrosis/fibrous capsule, no degeneration as determined by changes in tissue morphology, etc.

**Clinical Case 27:**



14, 15 residual root, 26, 27, 28, 36, 37, 41, 42, 46, 47, 48 were missing; 36, 37, 41, 43, 46, 47 implantation.

20 weeks after surgery, around implant no adverse reaction, fibrosis/fibrous capsule, tissue necrosis, fatty infiltration, granuloma, etc.

① doctor	Dr. Laster Zvika	② operation time	04. 2011
③ patient		④ age	54
⑤ sex	M	⑥ position	36, 37, 41, 43, 46, 47
⑦ implant	Dynamix Ø3.8 L6, L8, L10, L11.5	⑧ quantity	6
Healing screw	CO-7103	Abutment	CO-8036
COVER SCREW	NA		
SCREW FOR ABUTMENT	CO-S030		

⑨

A. Findings

- # 26, 27, 28, 36, 37, 41, 42, 46, 47, 48 missing
- Non Smoker

B. Plan and operation

- #36, 37, 41, 43, 46, 47 implantation
- immediate loading at the same day

C. Operation

- 2011.04.
- #36, 37, 41, 43, 46, 47 implantation



- immediate loading at the same day

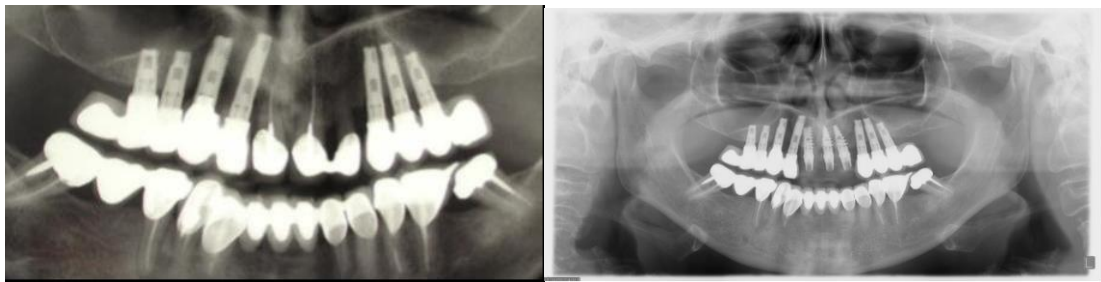
D. Clinical follow-up after operation

1. The follow-up check dental X-ray of 1 year and 7 months after implant placement shows no marginal bone resorption and nice recovery and healing of the papillae.

E. Conclusion

Bone integration in good situation, had not inspected inflammation symptom around implant, no fibrosis/fibrous capsule, no degeneration as determined by changes in tissue morphology, etc.

**Clinical Case 33:**



Repair front root apex pathological changes, periodontal disease changes, remove and repair with implant.

12 weeks after surgery, around implant and drill base not inspected inflammation symptom, tissue changes and degeneration, material fragment, fatty infiltration and granuloma. Bone integration in good situation.

① doctor	Dr. Laster Zvika	② operation time	07. 2011
③ patient		④ age	55
⑤ sex	F	⑥ position	12, 13, 14, 15, 23, 24, 25
⑦ implant	Dynamix Ø3.8 L11.5	⑧ quantity	7
Healing screw	CO-7103	Abutment	CO-8036
COVER SCREW	NA		
SCREW FOR ABUTMENT	CO-S030		

⑨

A. Findings

- repair front root apex
- Non Smoker

B. Plan and operation

- # 12, 13, 14, 15, 23, 24, 25 implantation
- immediate loading at the same day

### C. Operation

- 2011.07.
- # 12, 13, 14, 15, 23, 24, 25 implantation
- immediate loading at the same day

### D. Clinical follow-up after operation

1. The follow-up check dental X-ray of 1 year and 6 month after implant placement shows no marginal bone resorption and nice recovery and healing of the papillae.

### E. Conclusion

Bone integration in good situation, had not inspected inflammation symptom around implant, no fibrosis/fibrous capsule, no degeneration as determined by changes in tissue morphology, etc.

.