

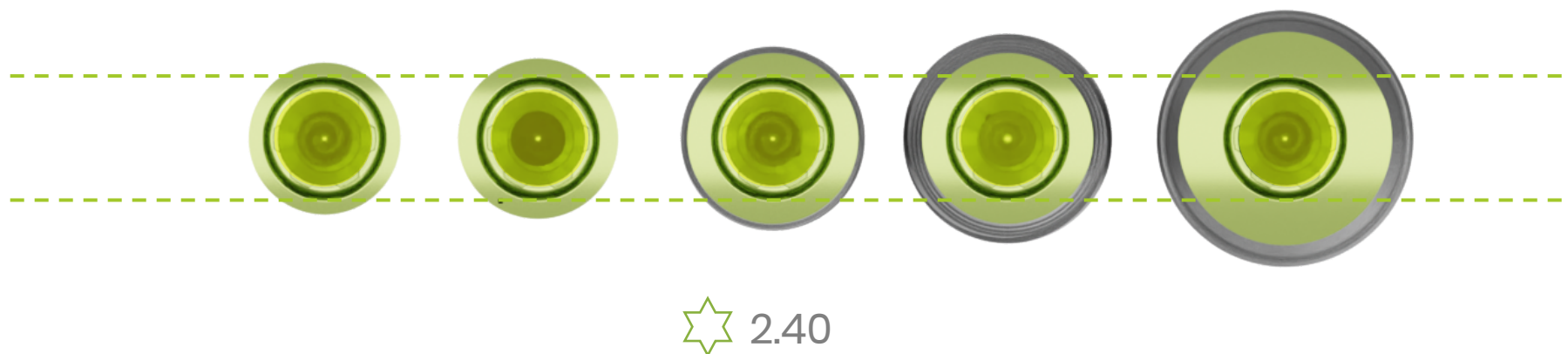


Meet UniFit™ :
Your Unified Connection





Unified conical star connection



5 diameters/6-18mmL*

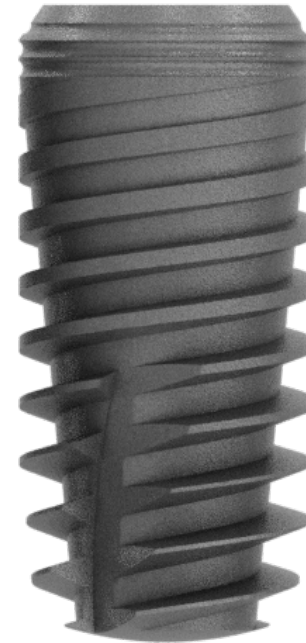
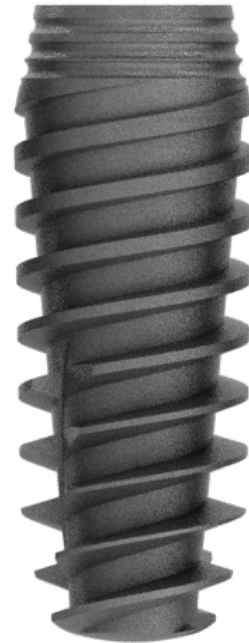
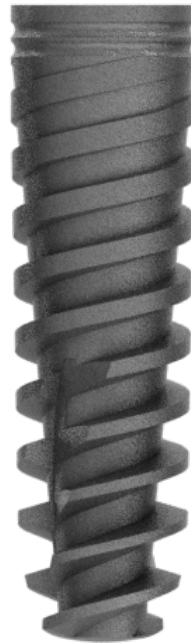
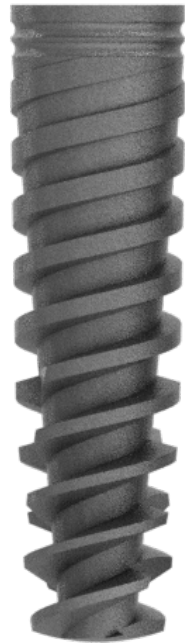
∅: 3.5

∅: 3.75

∅: 4.3

∅: 5.0

∅: 6.0



Strong connection 7° conical star connection



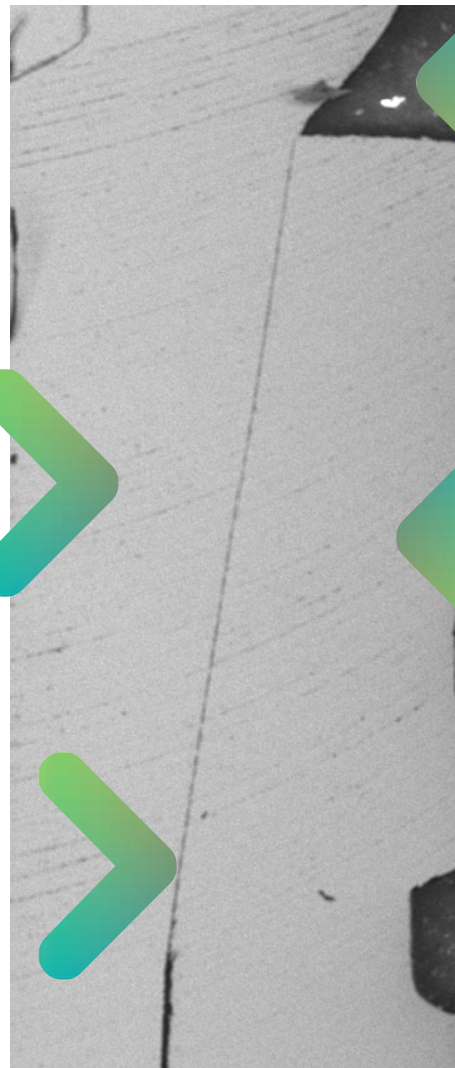
UniFit friction fit

Component

Platform switching

Implant

Perfect fit



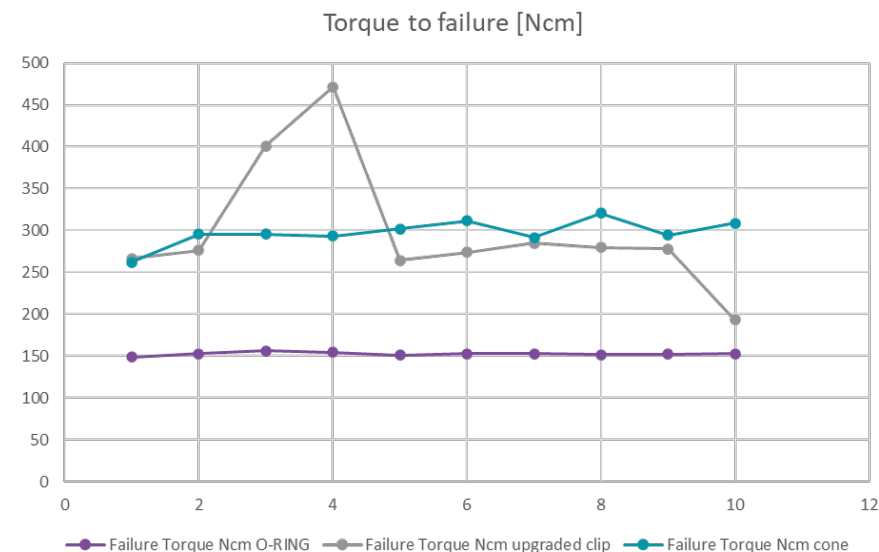
Strong connection

Fatigue Limit-250N (TMA 30°); Straight Abutment-220N@5M cycles

Insertion Torque Strength-150Ncm (recommended up to 50Ncm)

Torque Strength (MU screw) -40Ncm

Torque Strength (abutment retaining screw) -50Ncm



Macro geometry

Built-In Platform Switching

Back tapered collar

Osseofix

Bone - condensing property

Self - drilling

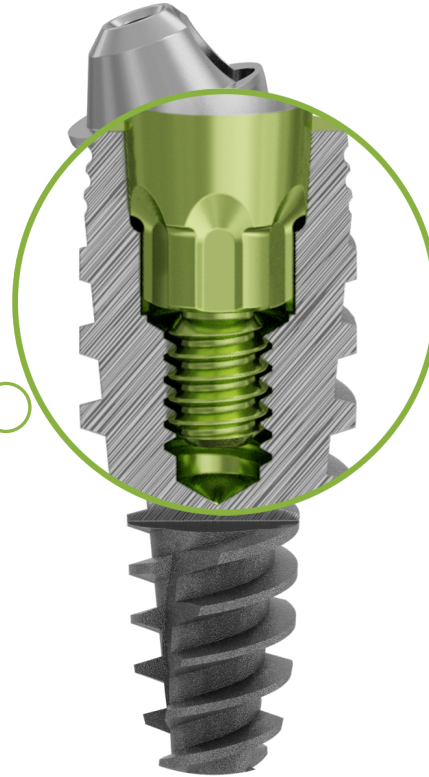
Round Apex

Micro Threads:
Engineered to enhance bone
regeneration, prevent bone loss &
increase bone implant contact

Seven degree
Unified Conical Connection
Six position star
implant - abutment index

TMA-MU new esthetic design

Angled Trans Mucosal Abutment

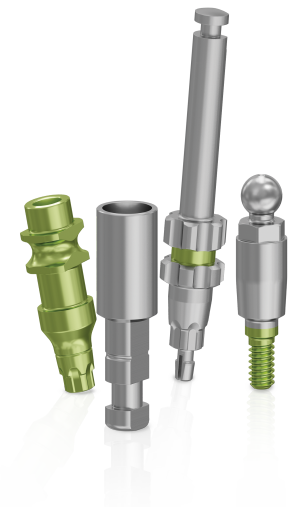
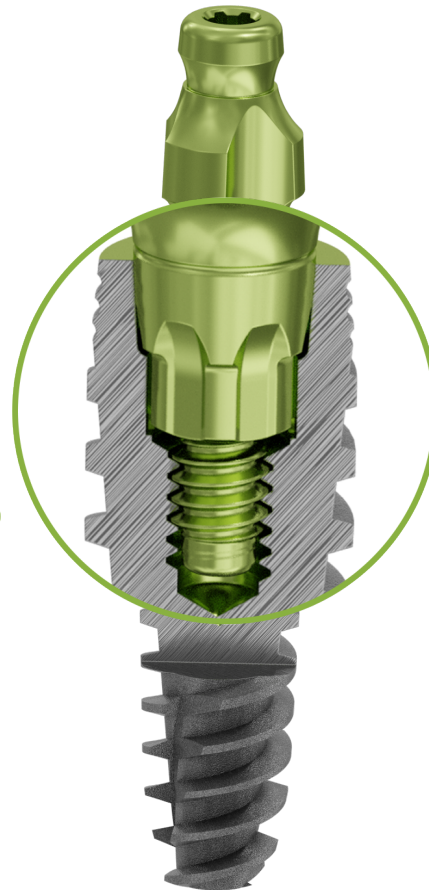


Single unit



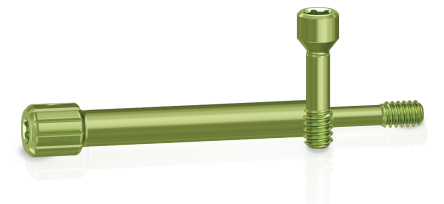
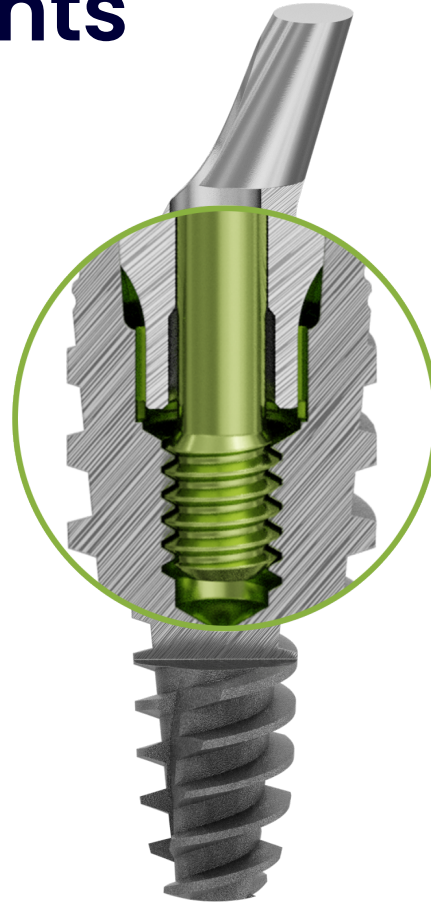
Tools-w/o friction contact

Close Tray Transfer

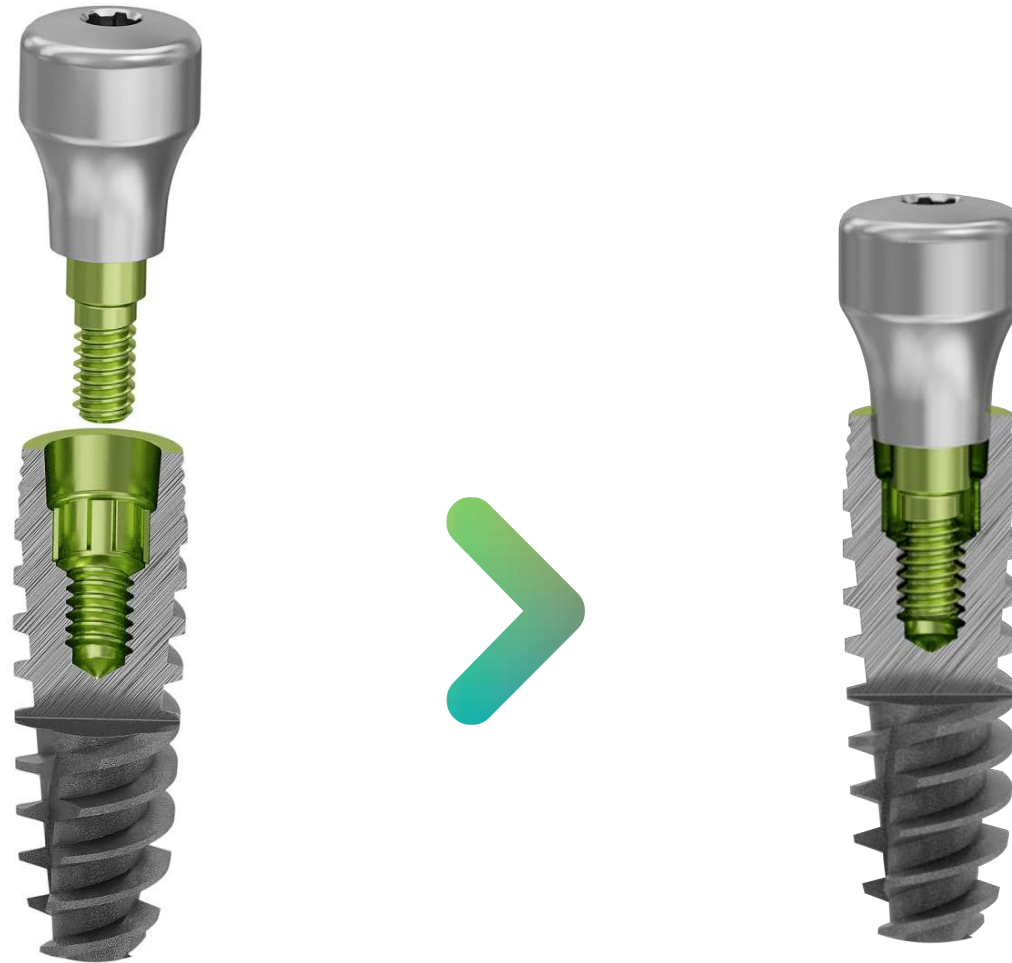


Esthetic cement retained abutments

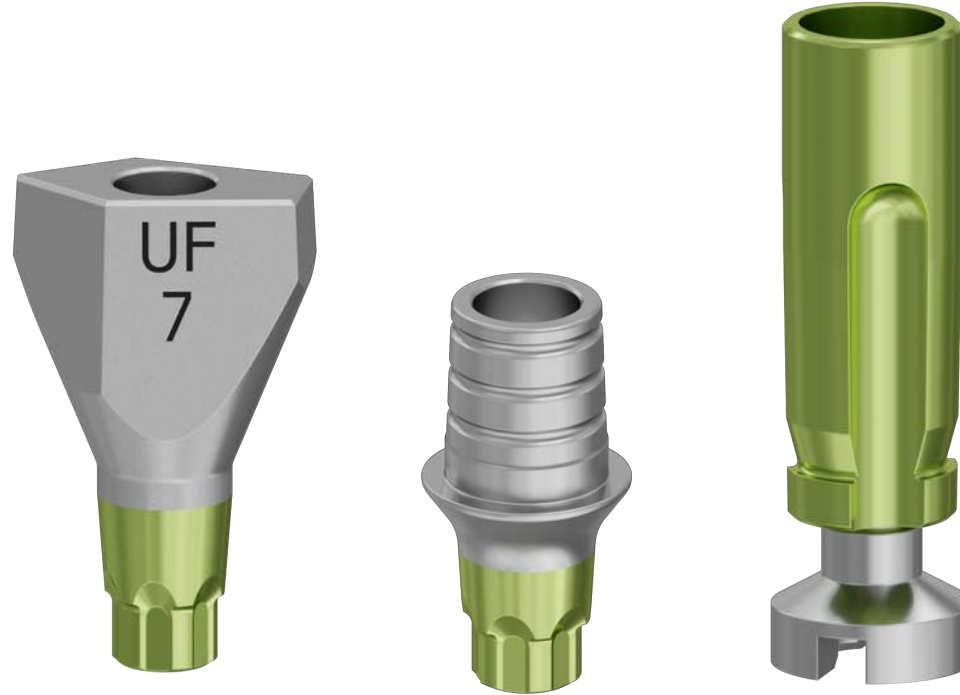
Angled Abutment



Healing Abutment



CAD CAM READY



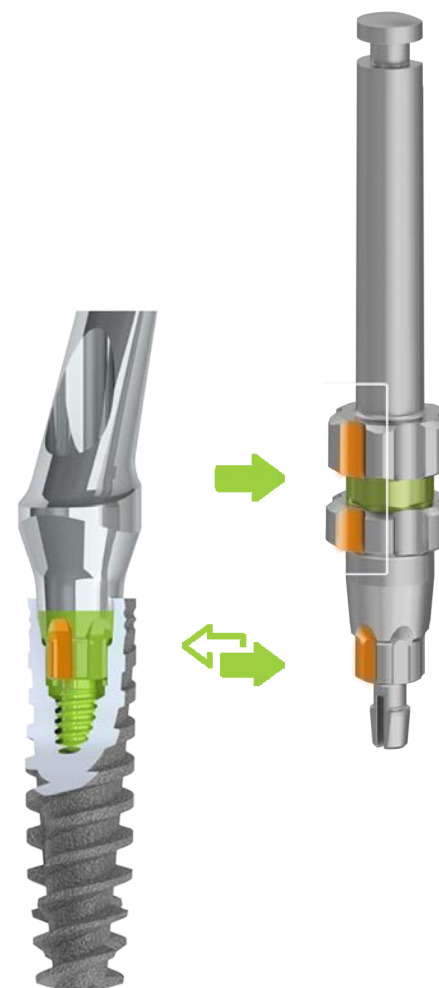
Surgical Kit



Retrieval tool

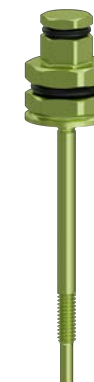
Spline to buccal

Implant–Abutment index is indicated by the spline on the implant driver



GS KIT





Retrieval tool

Something to calm users of RS implants

A 5-Years Report from a Multicenter Randomized Controlled Trial: Dental Implants with Conical *Versus* Internal Hex Connections

Tommaso Grandi^{1*}, Maurizio Cannata² and Rawad Samarani³

¹Private Practice in Modena, Italy

²Private Practice in Rende (Cosenza), Italy

³Department of Periodontology, Saint-Joseph University, Beirut, Lebanon

Abstract

Purpose: To compare implant failure, complications and radiographic bone level changes of dental implants with conical versus internal hex connections, 5 years after loading.

Methods: A total of 90 patients with partial edentulous were selected and randomly divided into two equal groups (n=45) in order to be subjected to implant positioning either with conical connection or with internal hex connection at three dental offices. Patients were followed for a period of 5 years. Outcomes considered were implant failure, any complications and marginal bone level changes.

Conclusion: No statistically or clinically significant differences were observed in outcomes 5 years after loading, between implants with conical and internal hex connection, hence clinicians can decide which type of connection to use according to their preferences.

Four complications occurred in the conical group and five in the internal hex group (9.5% vs. 11.4%, difference 1.9%; 95% CI: -0.7; 4.5; p=0.781).

Five years after loading, patients in the conical group lost an average of 1.41 ± 0.94 peri-implant bone vs. 1.38 ± 0.89 mm for patients in the internal hex group with no significant differences between treatment group (p=0.745). Both treatment groups lost statistically significant marginal peri-implant bone at 5-year post-loading: P=0.0001 for both conical and internal hex group.

Conclusion: No statistically or clinically significant differences were observed in outcomes 5 years after loading, between implants with conical and internal hex connection, hence clinicians can decide which type of connection to use according to their preferences.

OPEN ACCESS

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Modena, Italy phone: +39 3337095223;



Clinical Cases

Prof. Nahum Samet

DMD Prosthodontist



Ms. D.G.

Prof. Nahum Samet

DMD Prosthodontist



Ms. D.G.

Year of birth: 1977

Gender: Female

Medical background: Nonsignificant

- June 2022: Tooth 21 is non-restorable.

Tx plan:

- Extraction
- Immediate placement
- Immediate loading

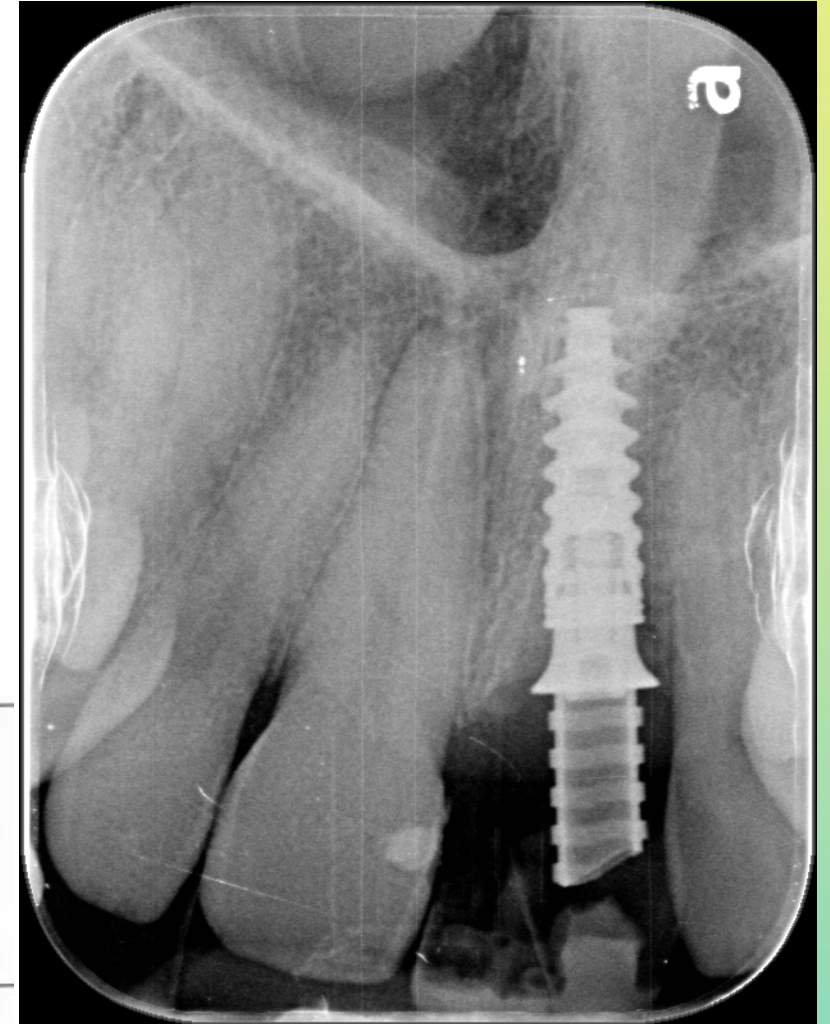
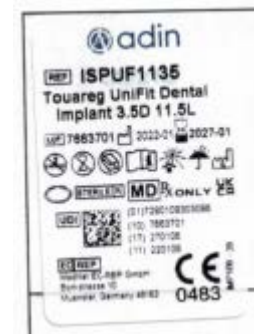
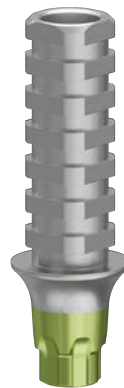


Ms. D.G.

• June 2022:

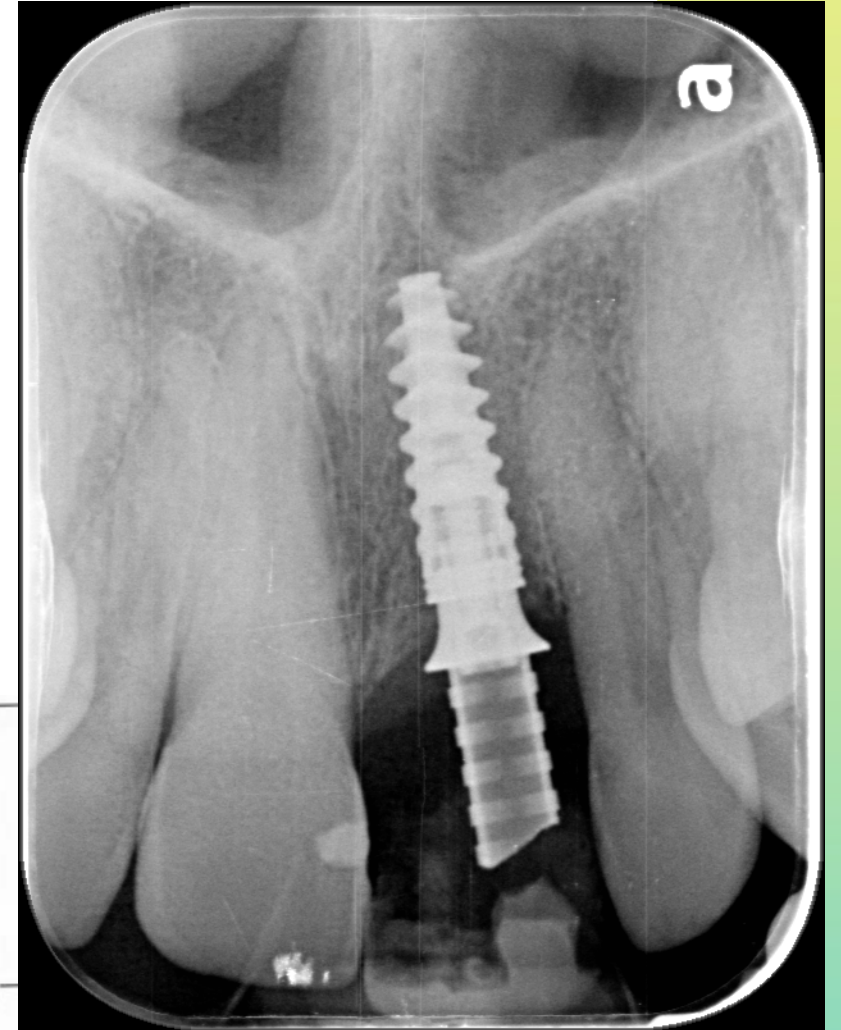
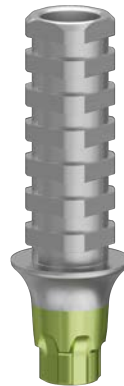
Performed treatment:

- Extraction
- Immediate placement
- Immediate loading



Ms. D.G.

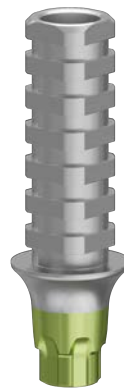
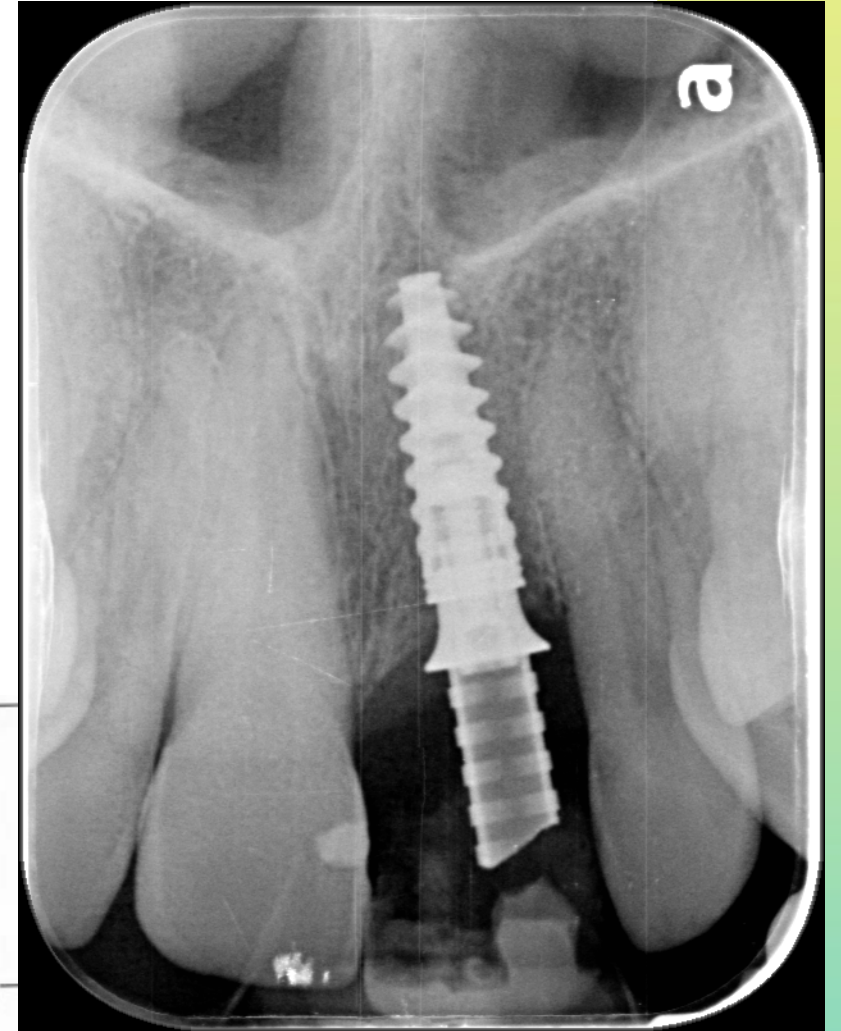
- August 2022:
 - Bone growth around implant's neck



Ms. D.G.



- August 2022:
 - Bone growth around implant's neck



Ms. E.T.

Prof. Nahum Samet

DMD Prosthodontist



Ms. E.T.

Year of birth: 1968

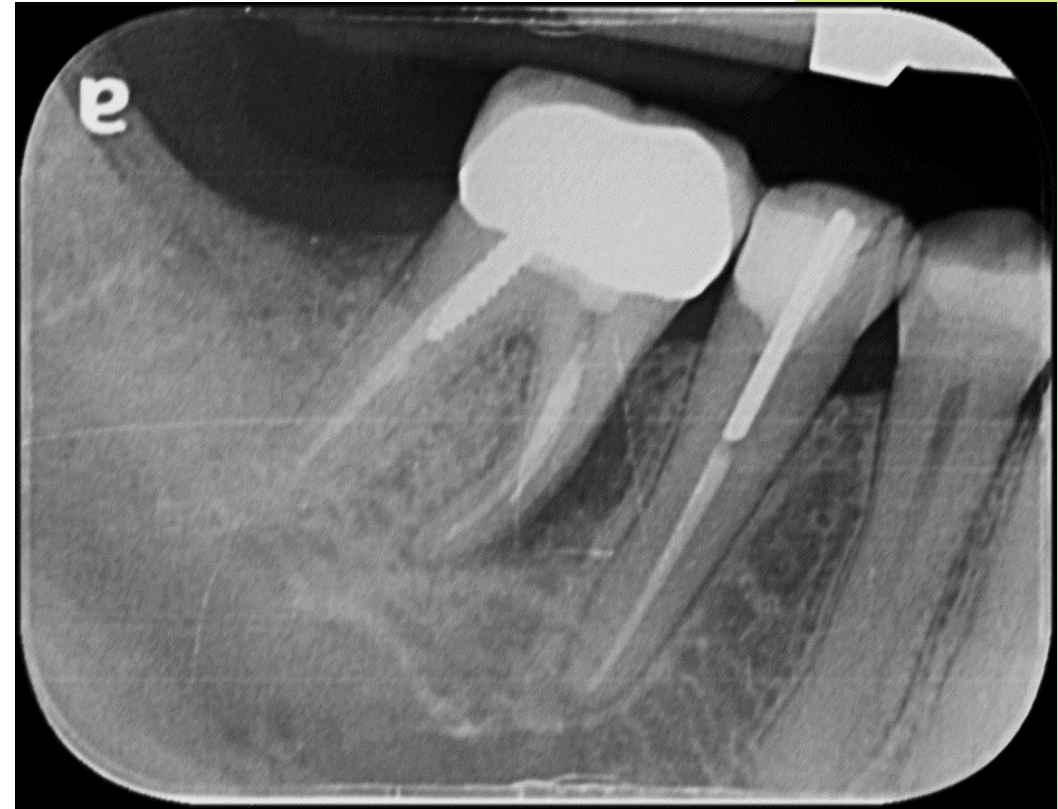
Gender: Female

Medical background: Nonsignificant

- **May 2022:** Tooth 46 with a fractured mesial root.

Tx plan:

- Extraction
- Immediate placement (46)
- Regular placement (47)

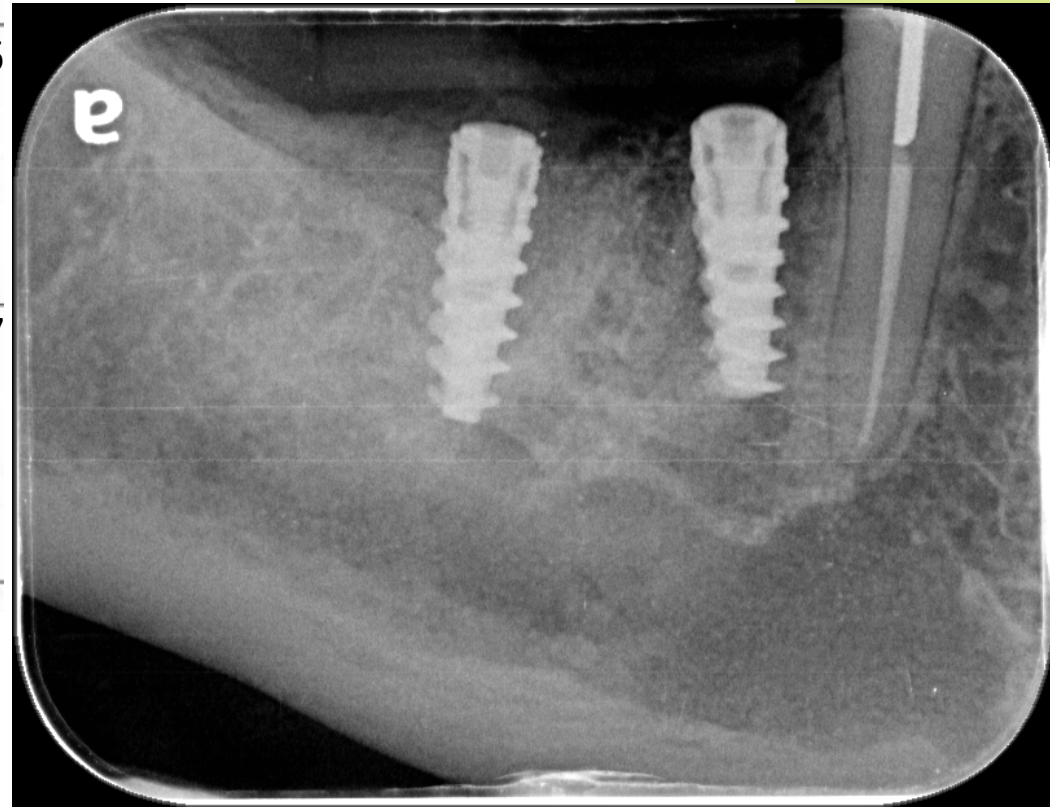
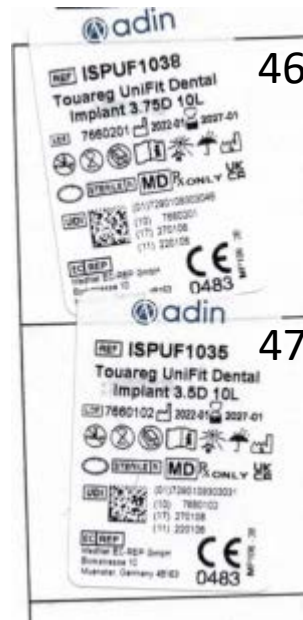


Ms. E.T.

- June 2022:

Performed treatment:

- Extraction (46)
- Immediate placement (46)
- Regular placement (47)

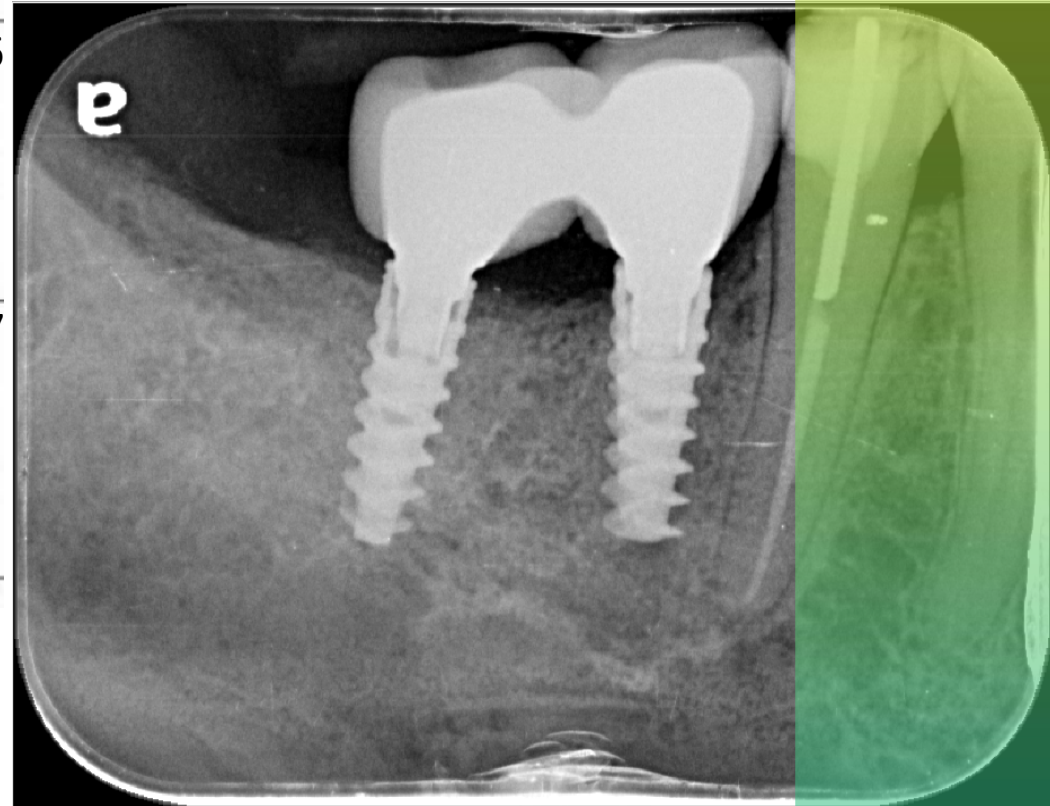


Ms. E.T.

- Aug 2022:

Performed treatment:

- Screw retained restoration
- T-bases



Ms. E.T.

Year of birth: 1968

Gender: Female

Medical background: Nonsignificant

- **Nov 2020:** Tooth 25 fractured.

Tx plan:

- Extraction
- Immediate placement

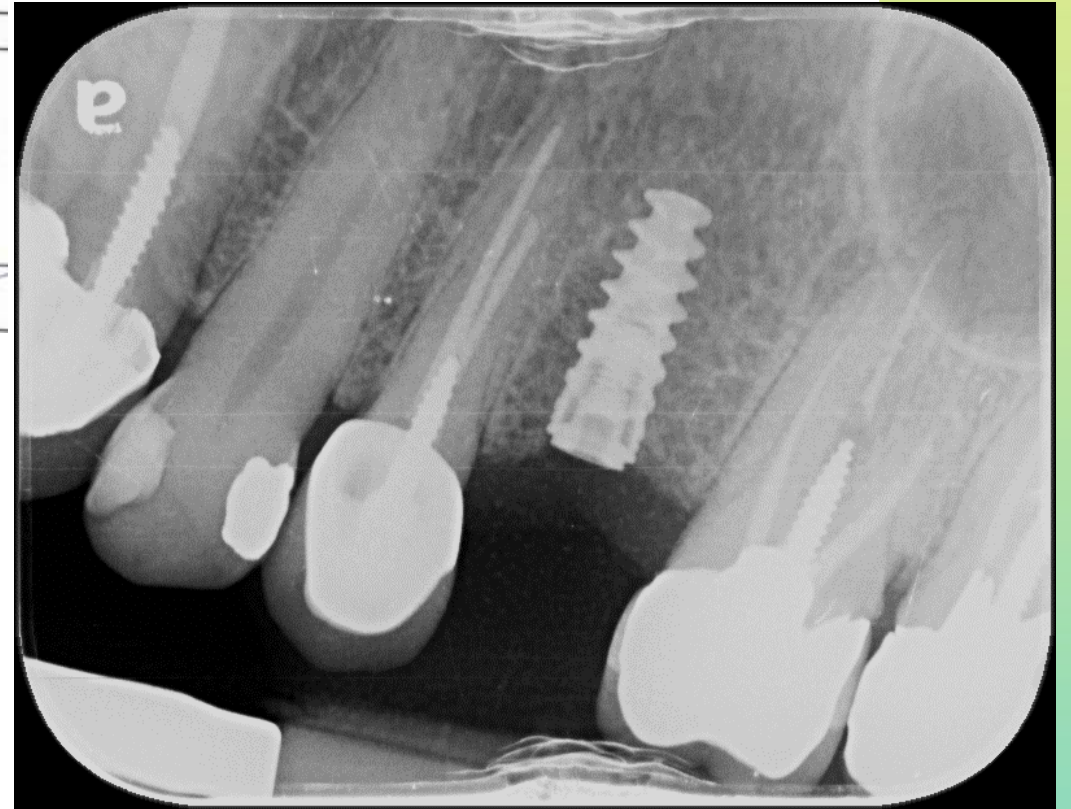


Ms. E.T.

- **May 2022:**

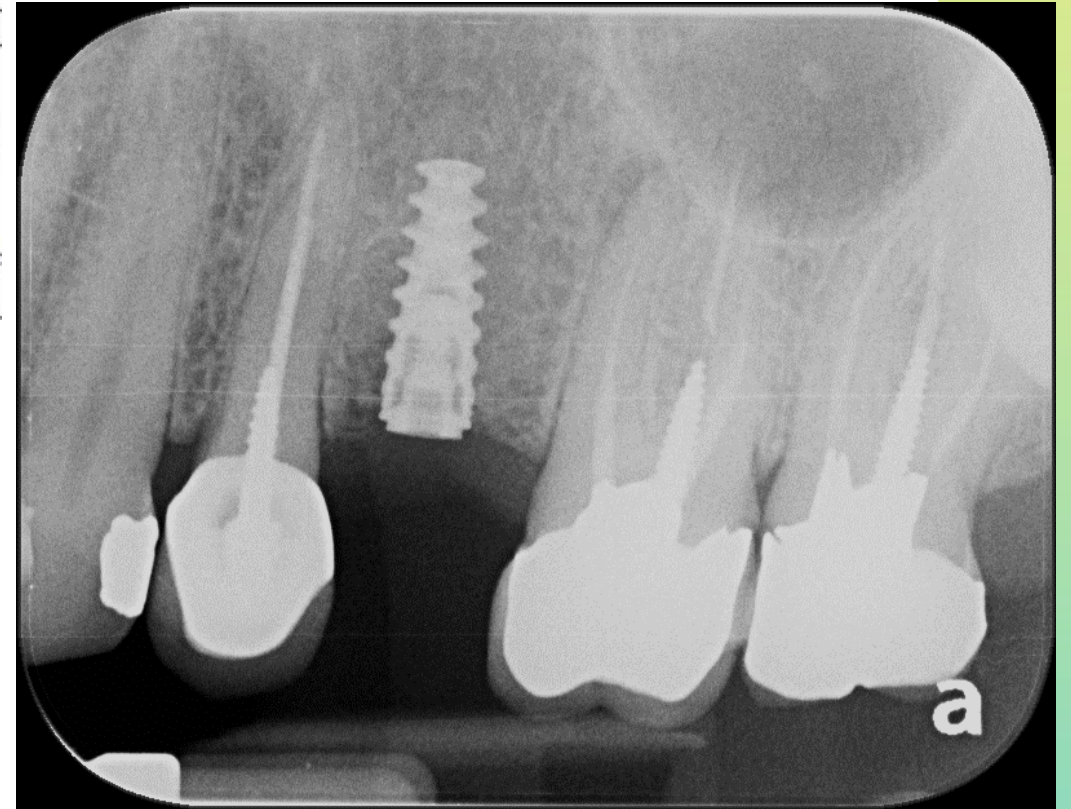
Performed treatment:

- Extraction
- Immediate placement



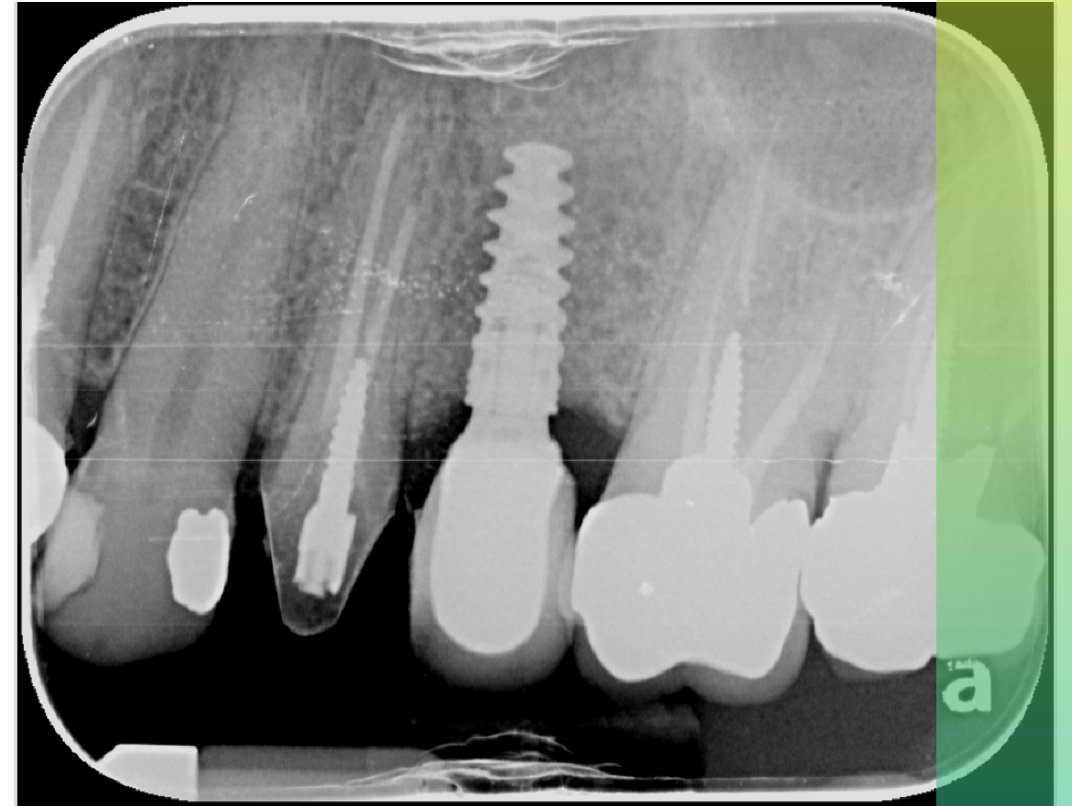
Ms. E.T.

- July 2022:
 - Follow-up



Ms. E.T.

- Sept 2022:
- Performed treatment:
- Cemented crown



Mr. A.H.

Prof. Nahum Samet

DMD Prosthodontist



Mr. A.H.

Year of birth: 1946

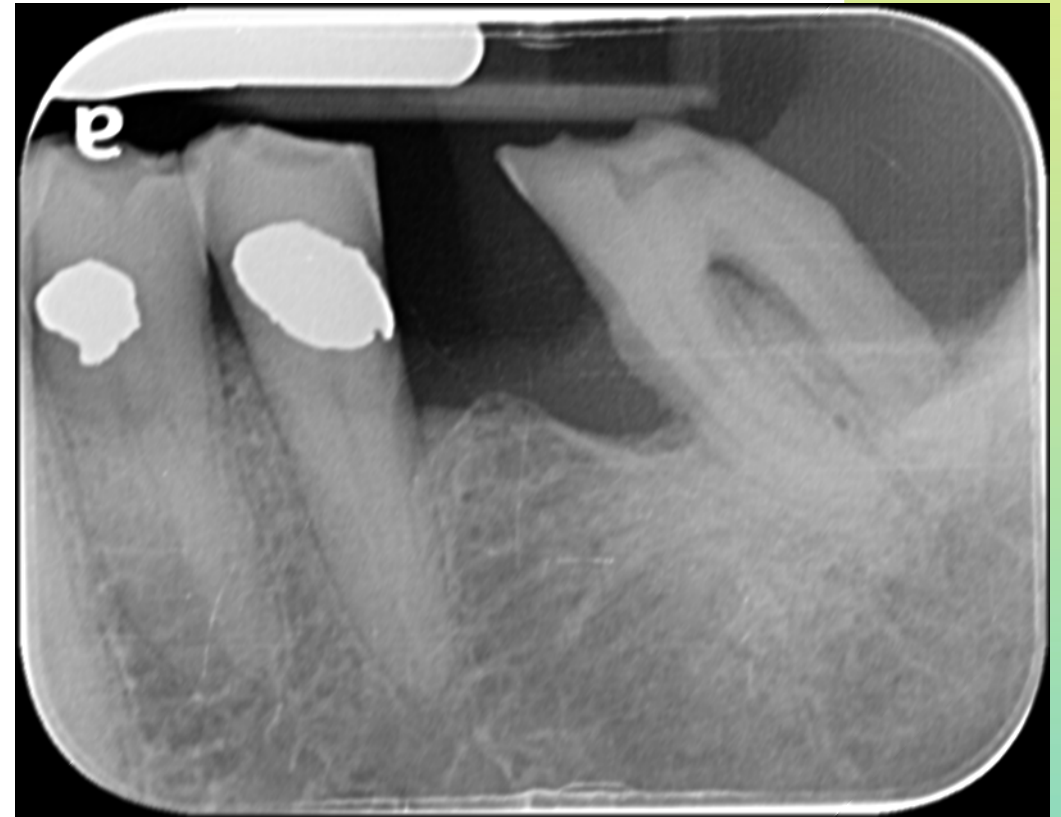
Gender: Male

Medical background: High blood pressure

- **Feb 2022:** Tooth 37 non-restorable.

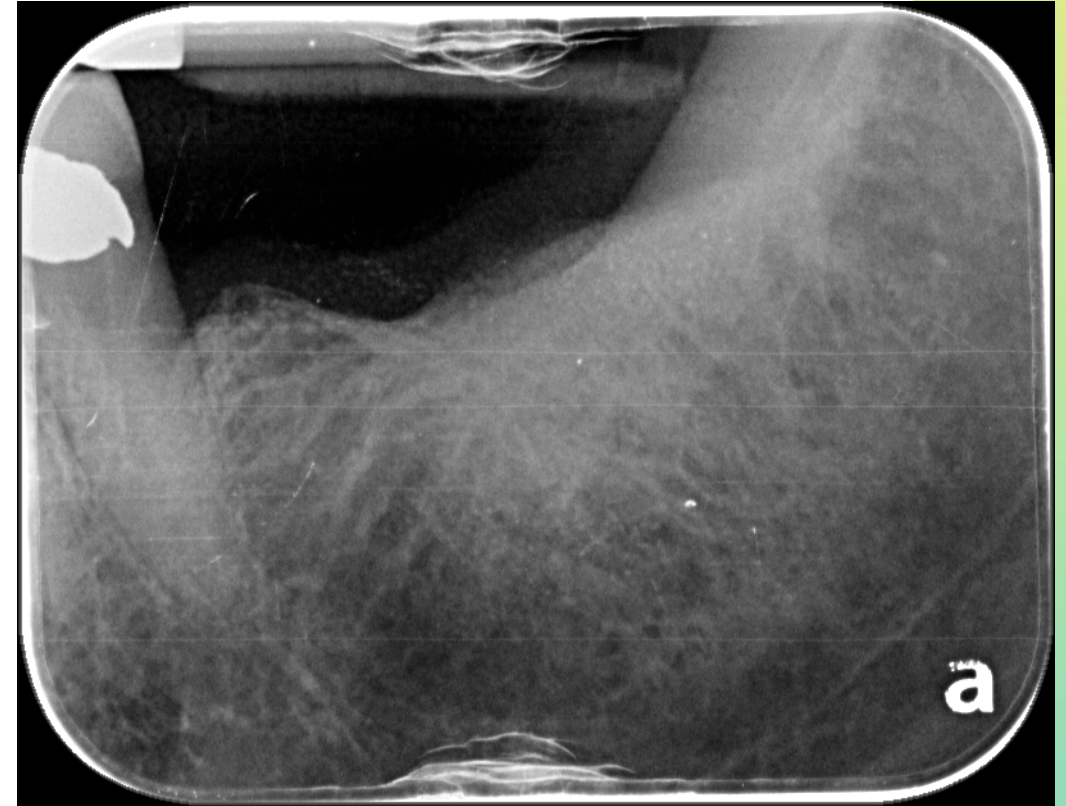
Tx plan:

- Extraction
- Later, Regular placement (36,37)



Mr. A.H.

- **Aug 2022:**
2 months after extraction.

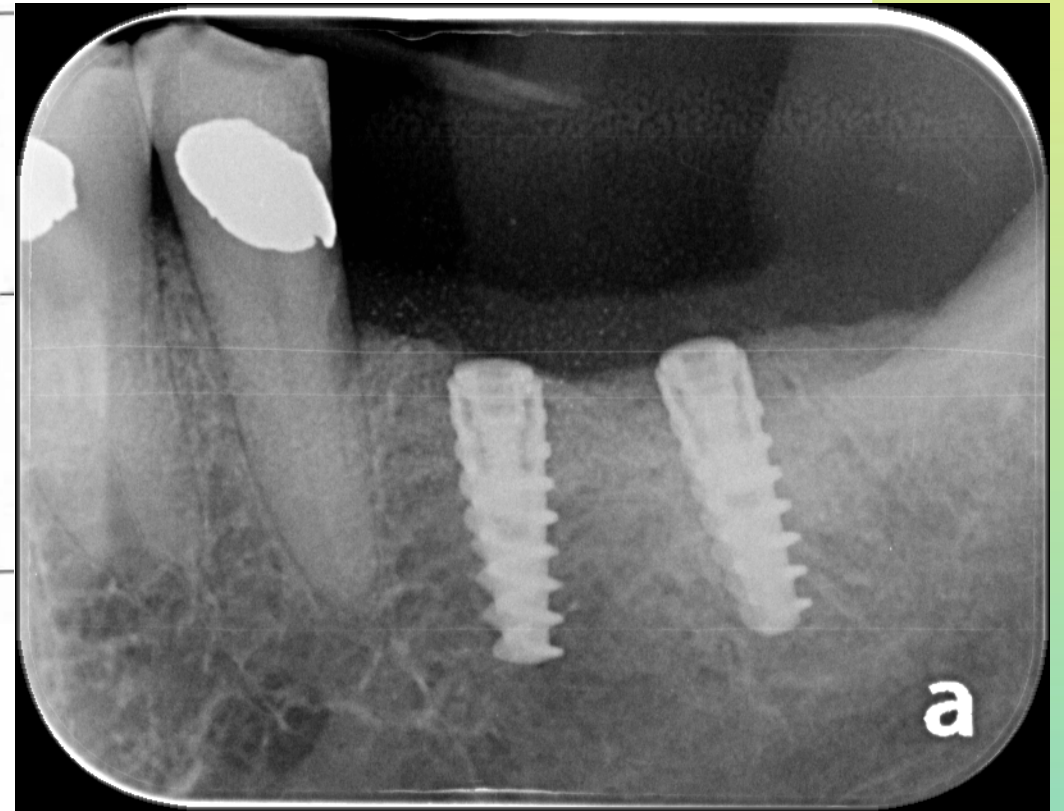


Ms. A.T.

- Sept 2022:

Performed treatment:

- Regular placement (36,37)

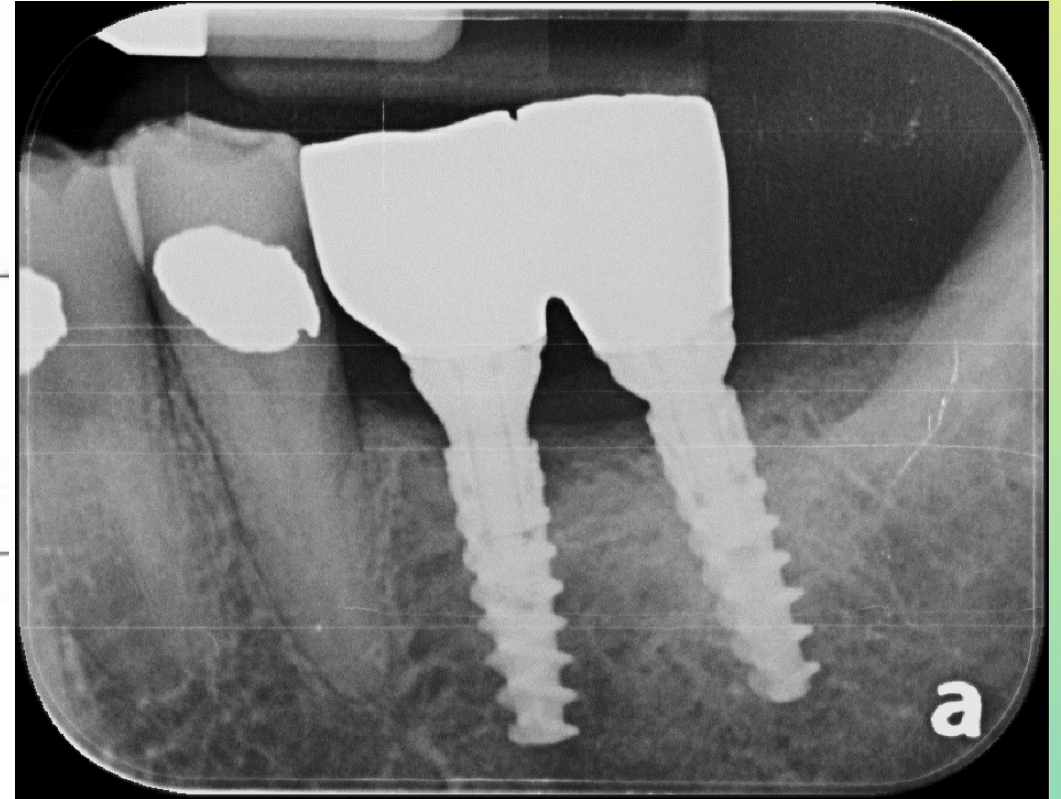


Ms. A.T.

Jan 2023:

Performed treatment:

- TMA based bridge



Mr. D.T.s

Prof. Nahum Samet

DMD Prosthodontist



Mr. D.Ts.

Year of birth: 1974

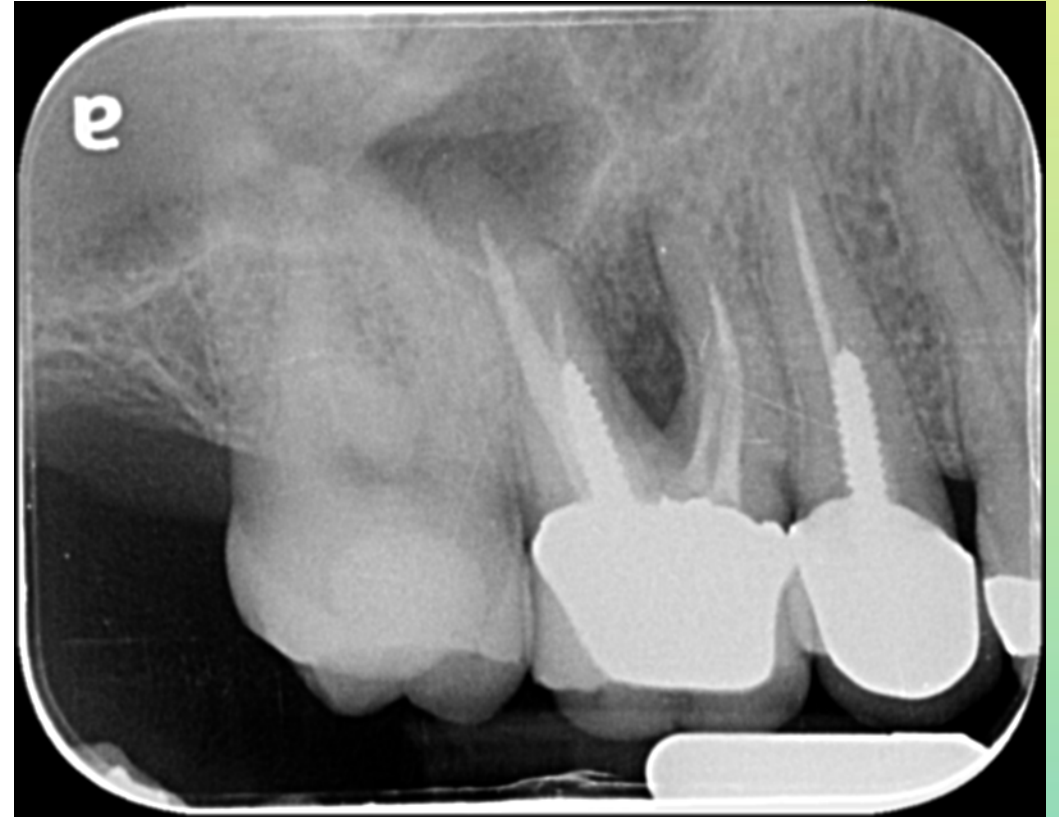
Gender: Male

Medical background: Nonsignificant

- Jan 2022: Tooth 16 with fractured root.

Tx plan:

- Extraction
- Later, Regular placement

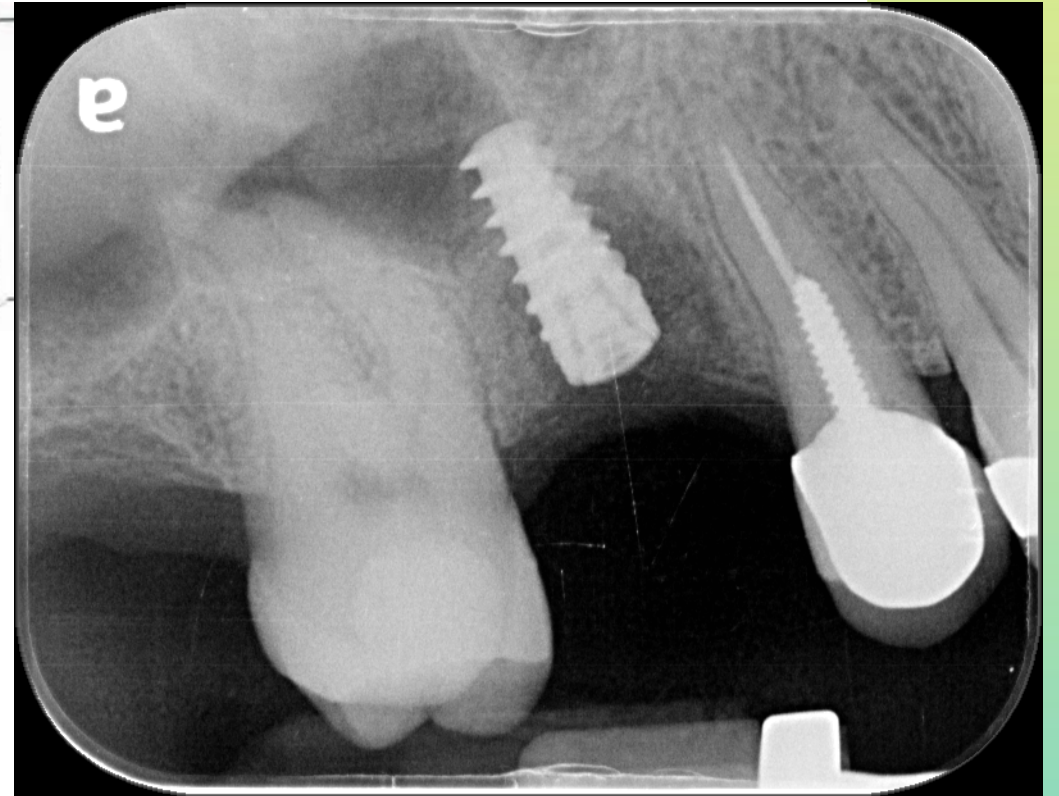


Mr. D.Ts.

- May 2022:

Performed treatment:

- Delayed placement + closed sinus augmentation without additional substitute bone.

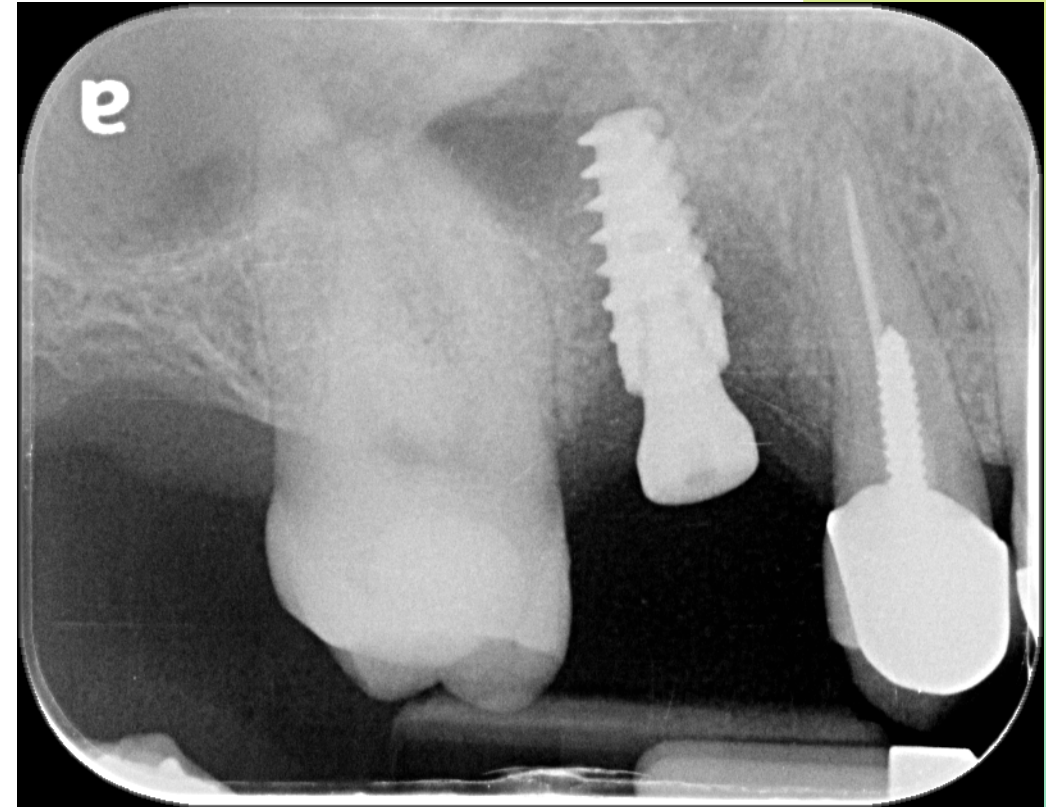


Mr. D.Ts.

- June 2022:

Performed treatment:

- Exposure and healing cap. Bone is visible around the apex of the implant.

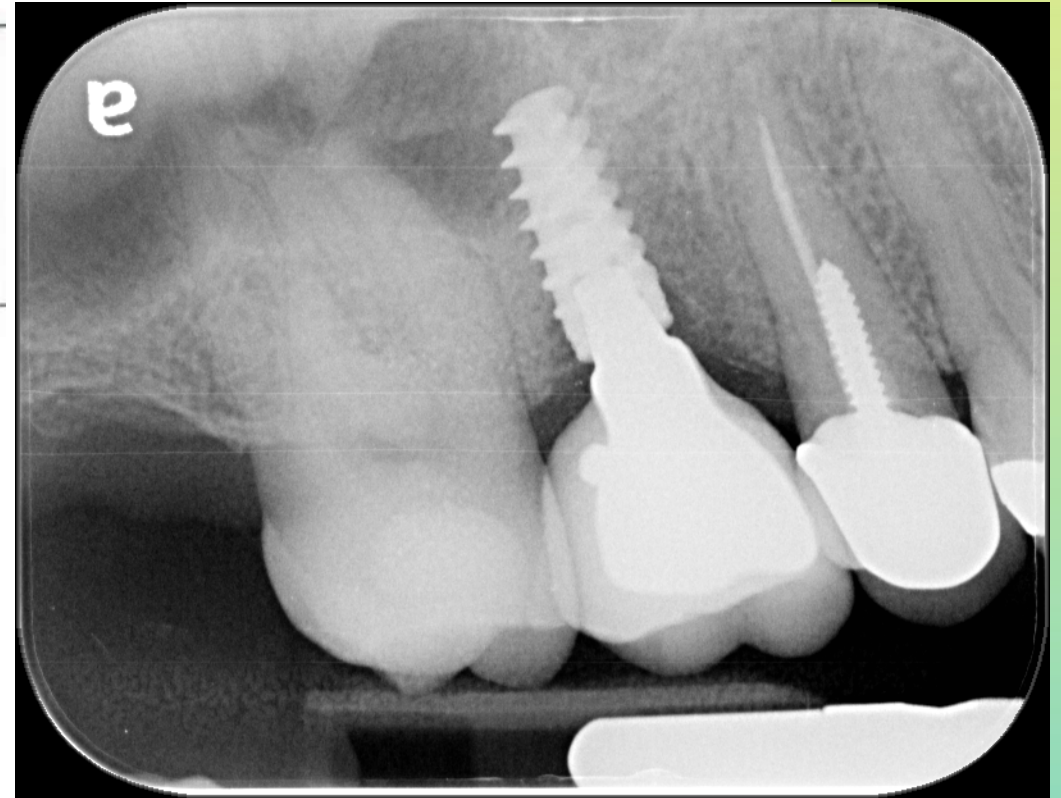


Mr. D.Ts.

- **Aug. 2022:**

Performed treatment:

- Screw-retained crown delivery.
- Additional bone healing around neck.
- Platform switching is also visible.



Mr. D.Y

Prof. Nahum Samet

DMD Prosthodontist



Mr. D.Y.

Year of birth: 1985

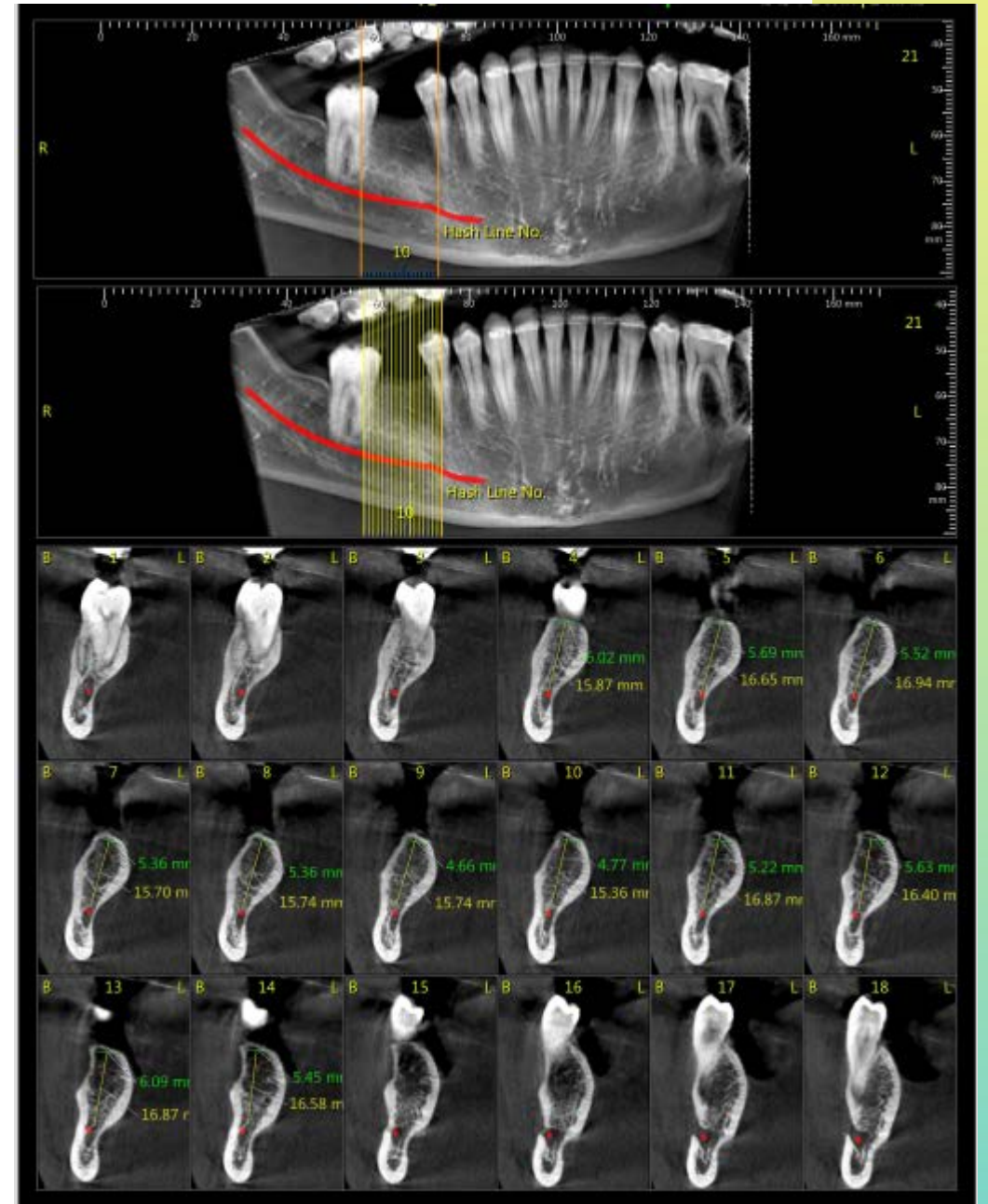
Gender: Male

Medical background: Nonsignificant

- **July 2022:** Missing tooth 46

Tx plan:

- Regular placement

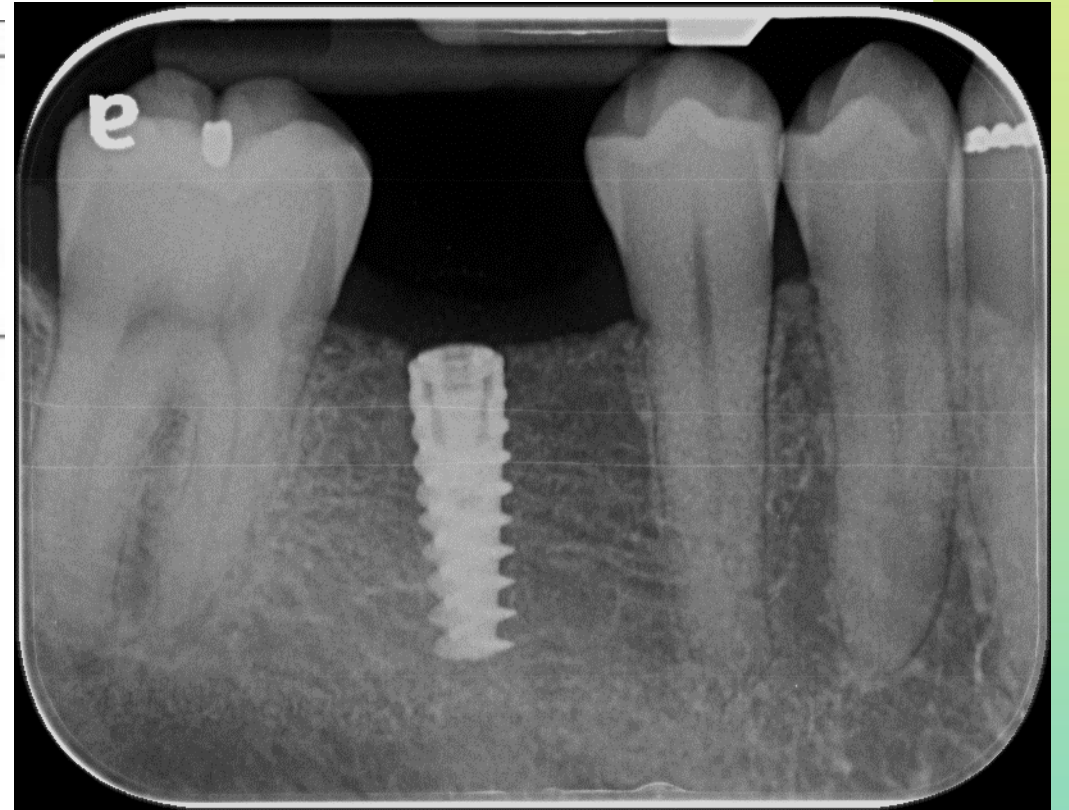


Mr. D.Y.

- Sept 2022:

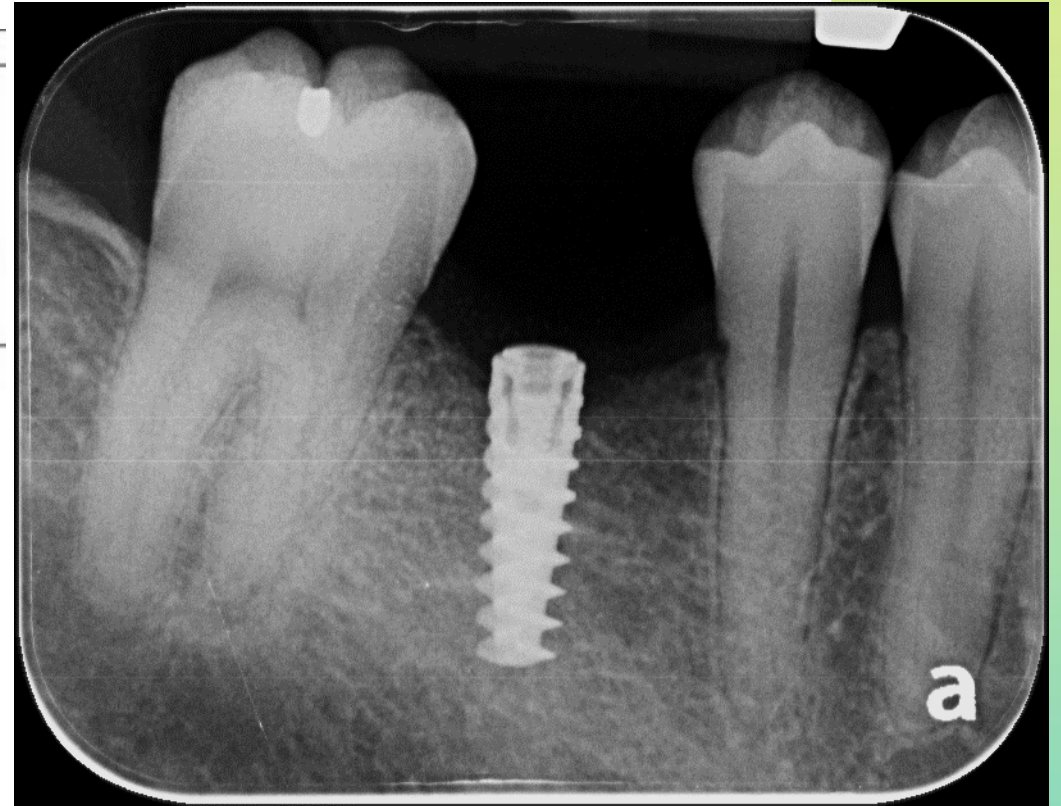
Performed treatment:

- Implant placement



Mr. D.Y.

- Sept 2022
 - It is unclear why some bone was resorbed around implant neck.

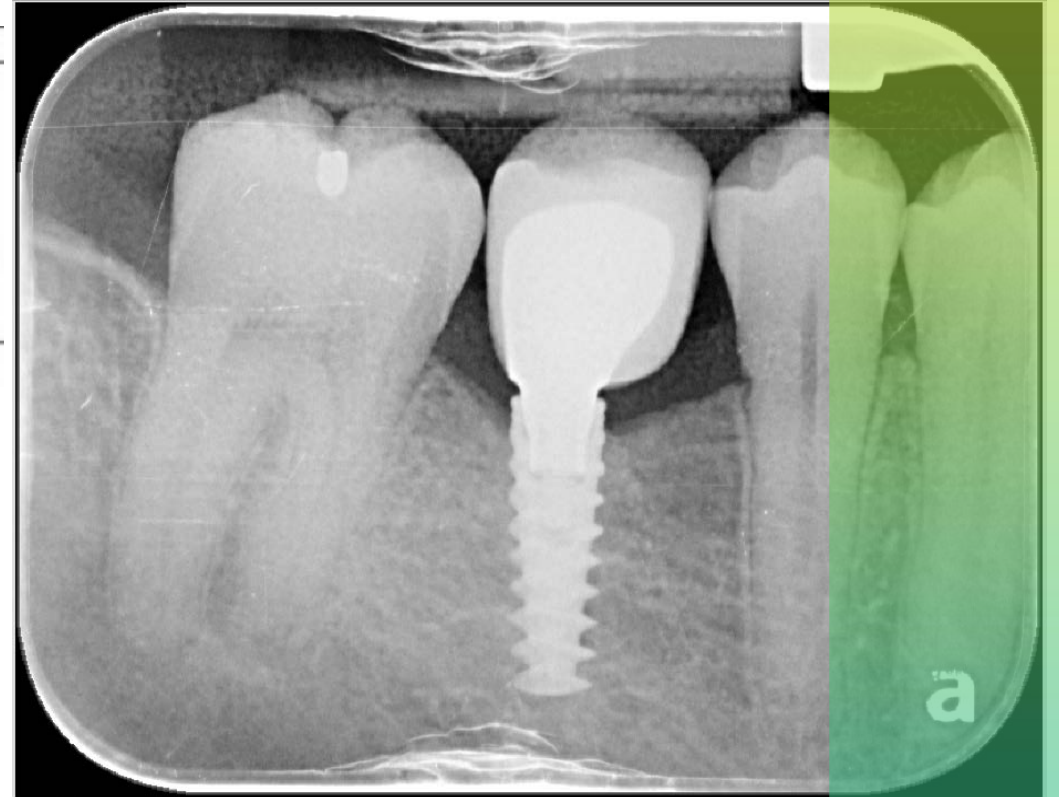


Mr. D.Y.

- Oct 2022

Performed treatment:

- Screw-retained crown on Chrome Cobalt casting abutment



Ms. F.M

Prof. Nahum Samet

DMD Prosthodontist



Ms. F.M.

Year of birth: 1970

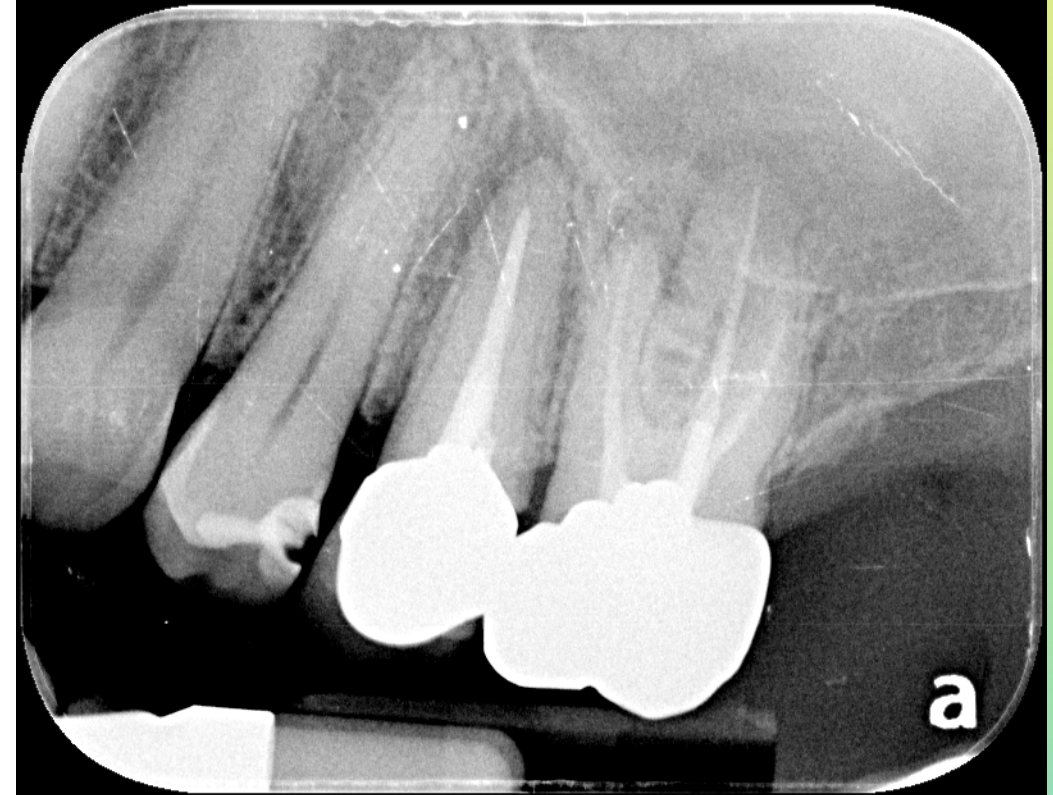
Gender: Female

Medical background: Nonsignificant

- Dec 2021: Fractured root tooth 25

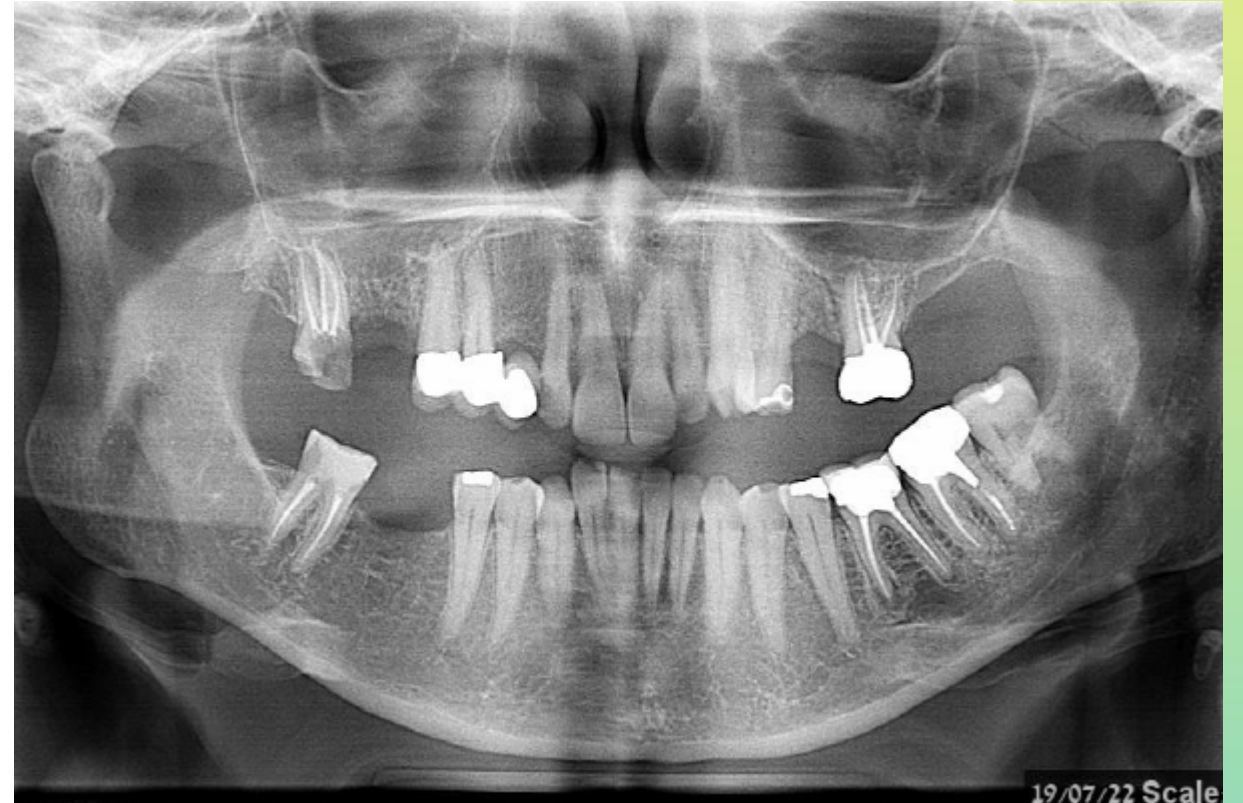
Tx plan:

- Extraction
- Regular placement



Ms. F.M.

- July 2021: Healing of site 25

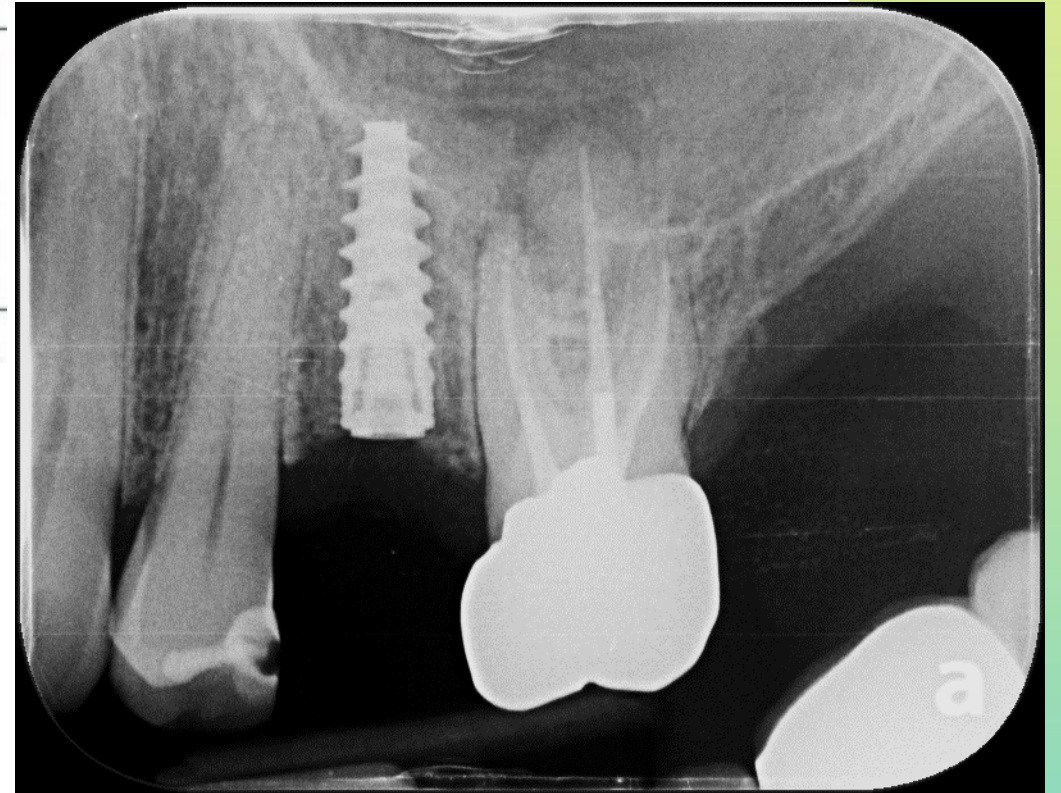


Ms. F.M.

- July 2022:

Performed treatment:

- Implant placement



Ms. R.N

Prof. Nahum Samet

DMD Prosthodontist



Ms. R.N.

Year of birth: 1968

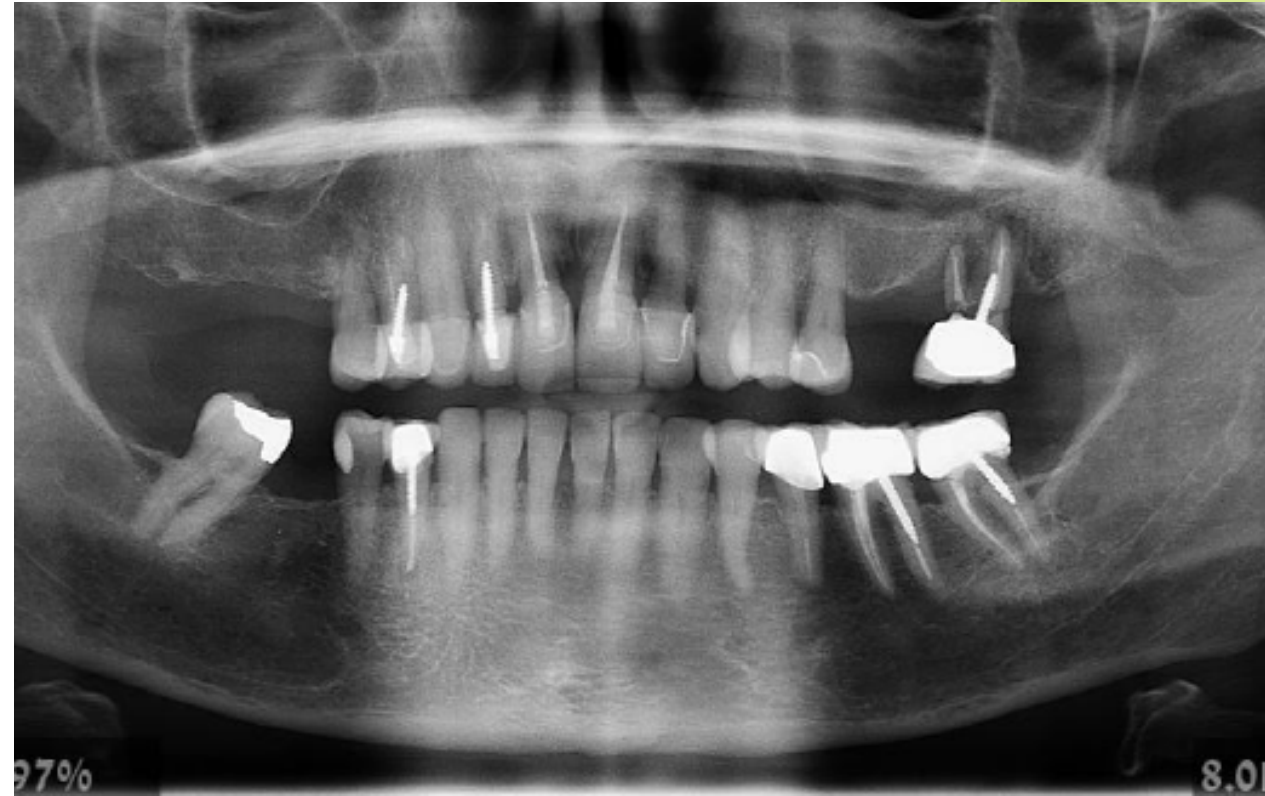
Gender: Female

Medical background: Nonsignificant

- **June 2021:** Missing molars, maxillary right side. She does not want to extract or restore the left maxillary side or the mandibular right side.

Tx plan:

- Regular placement (16,17: 3 implants)

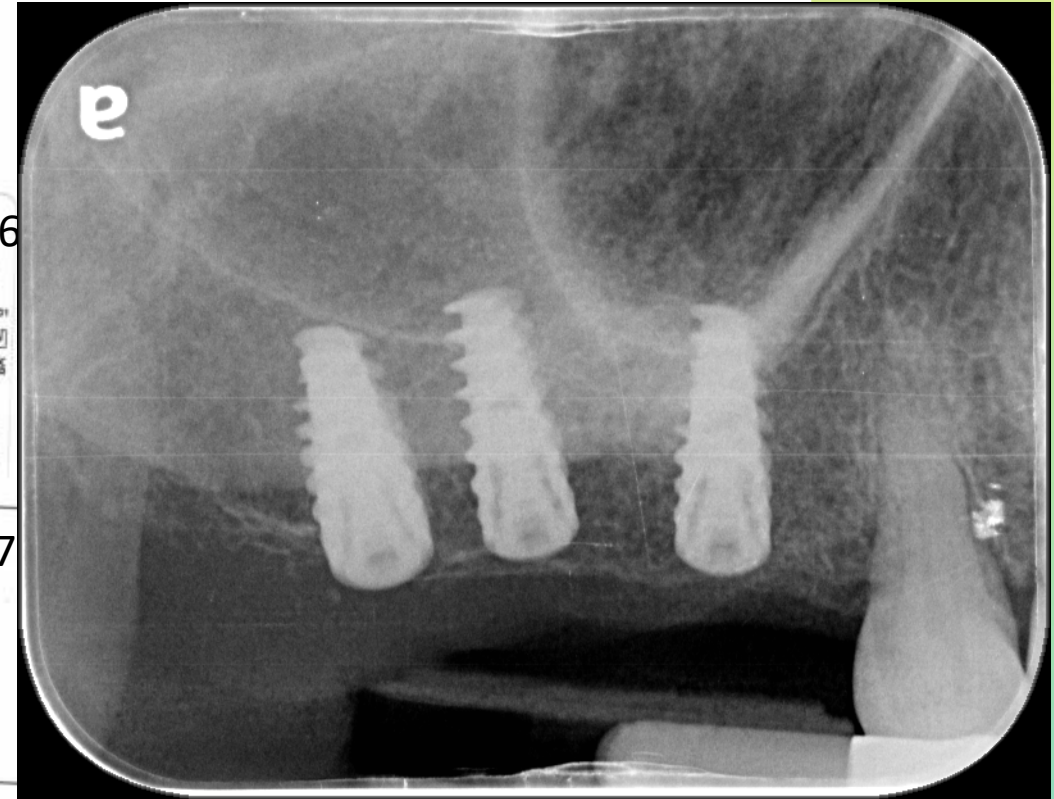


Ms. R.N.

- Sept 2022:

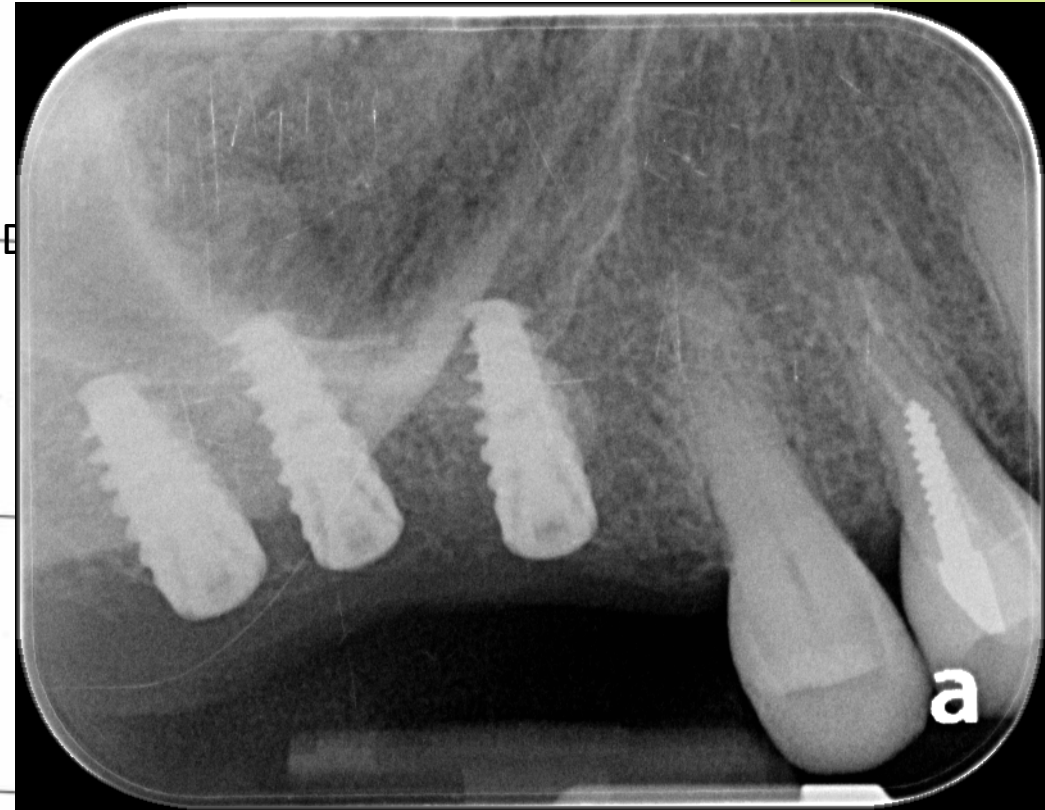
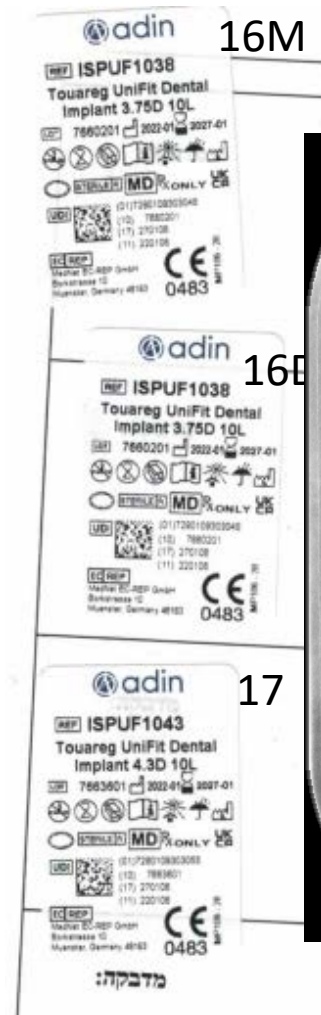
Performed treatment:

- Implant placement (3 implants)



Ms. R.N.

- Oct 2022:
 - Good healing around implants

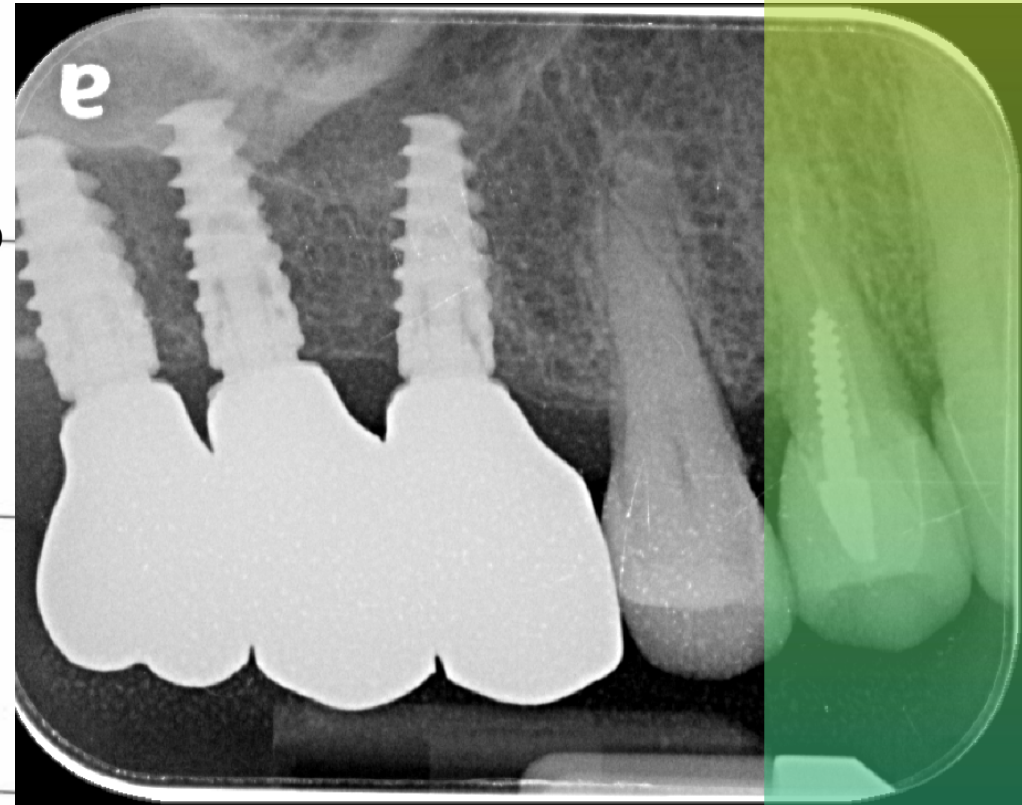
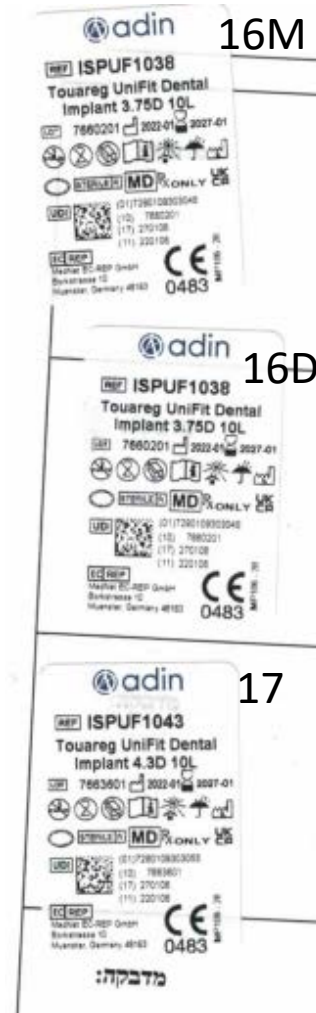


Ms. R.N.

- Nov 2022:

Performed treatment:

- Screw-retained crown T-Base units



Ms. I.Z

Prof. Nahum Samet

DMD Prosthodontist



Ms. I.Z.

Year of birth: 1958

Gender: Female

Medical background: Nonsignificant

- **June 2022:**
6 weeks post extraction tooth #46

Tx plan:

- 1 implant + crown



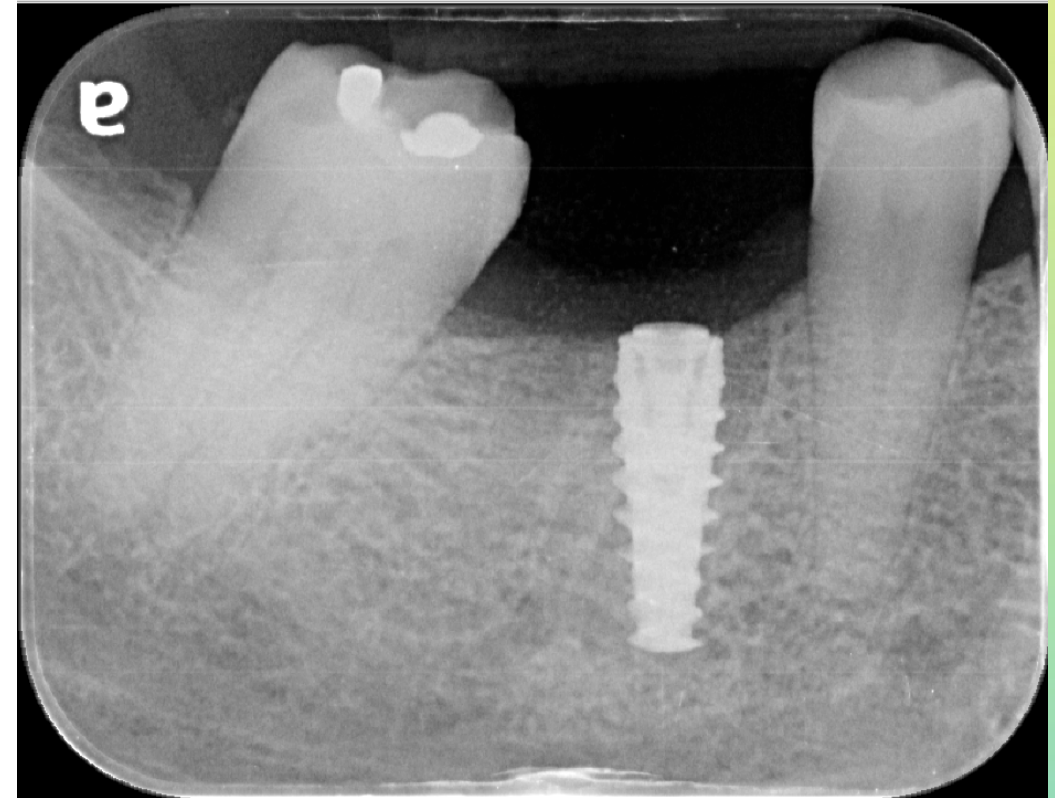
Ms. I.Z.

Year of birth: 1958

Gender: Female

Medical background: Nonsignificant

- **June 2022:**
 - Implant insertion to the mesial root area, due to bone loss at buccal side of distal root area.



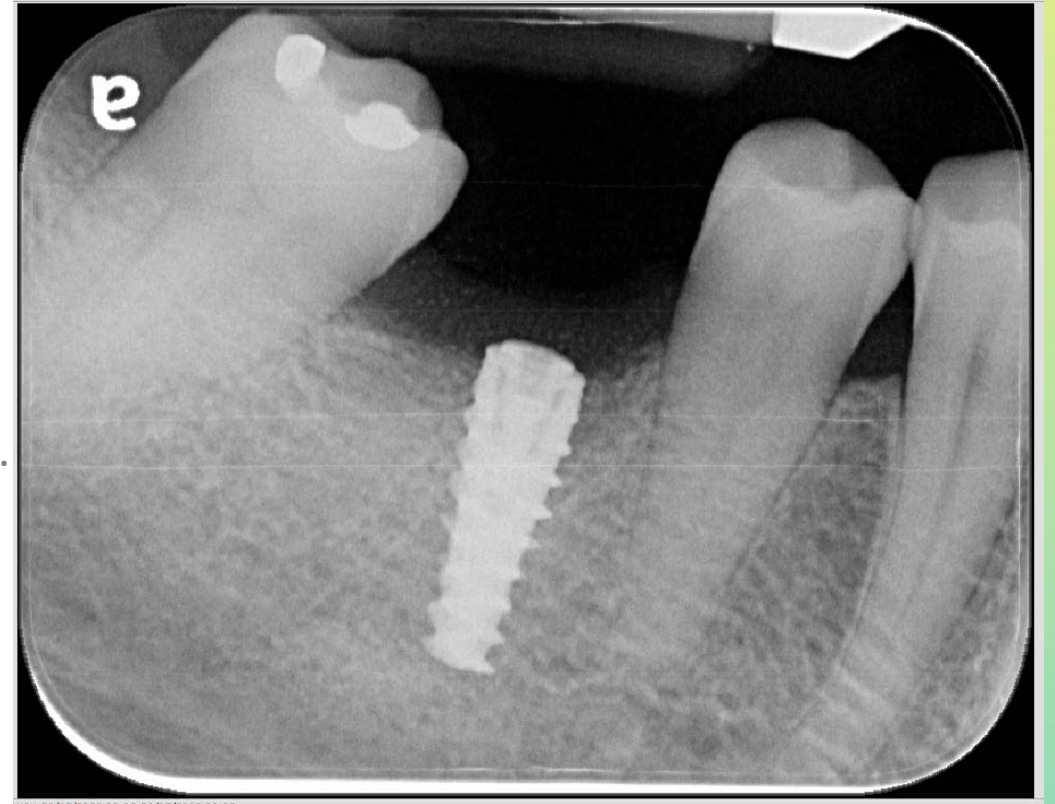
Ms. I.Z.

Year of birth: 1958

Gender: Female

Medical background: Nonsignificant

- **Aug 2022:**
 - Good healing. Still lack of bone around implant's neck.



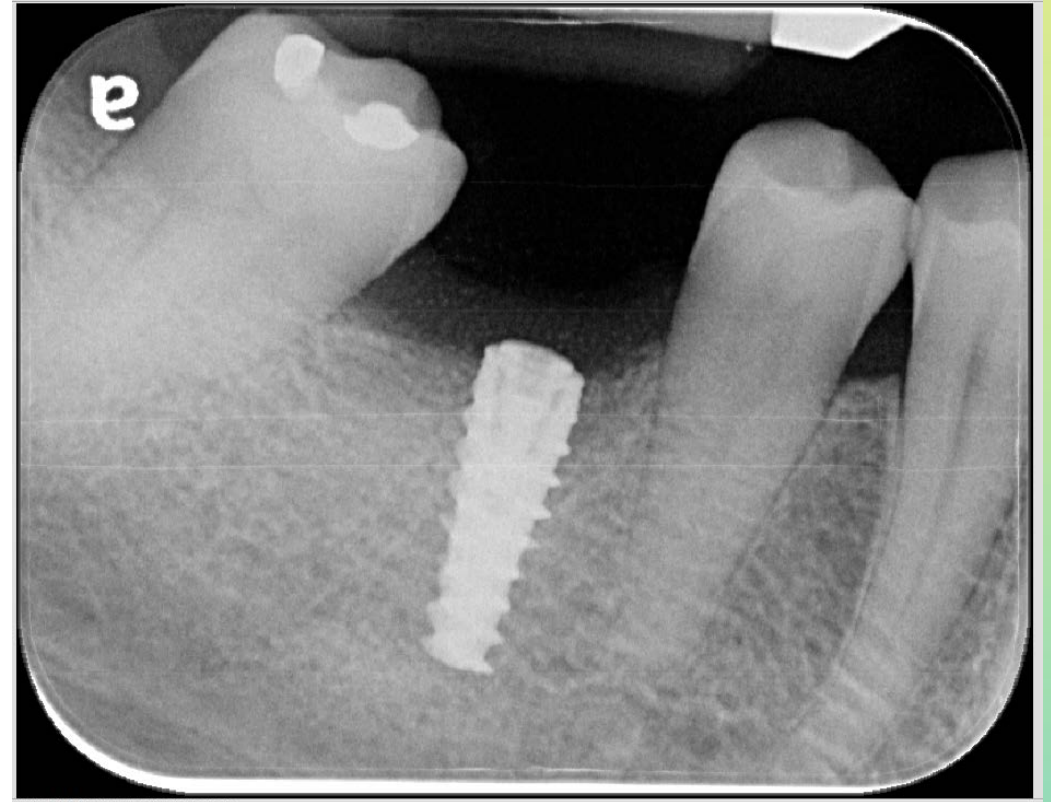
Ms. I.Z.

Year of birth: 1958

Gender: Female

Medical background: Nonsignificant

- **Aug 2022:**
 - Good healing. Still lack of bone around implant's neck.



Ms. I.Z.

Year of birth: 1958

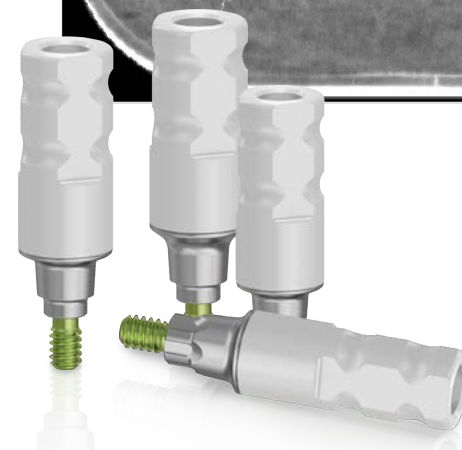
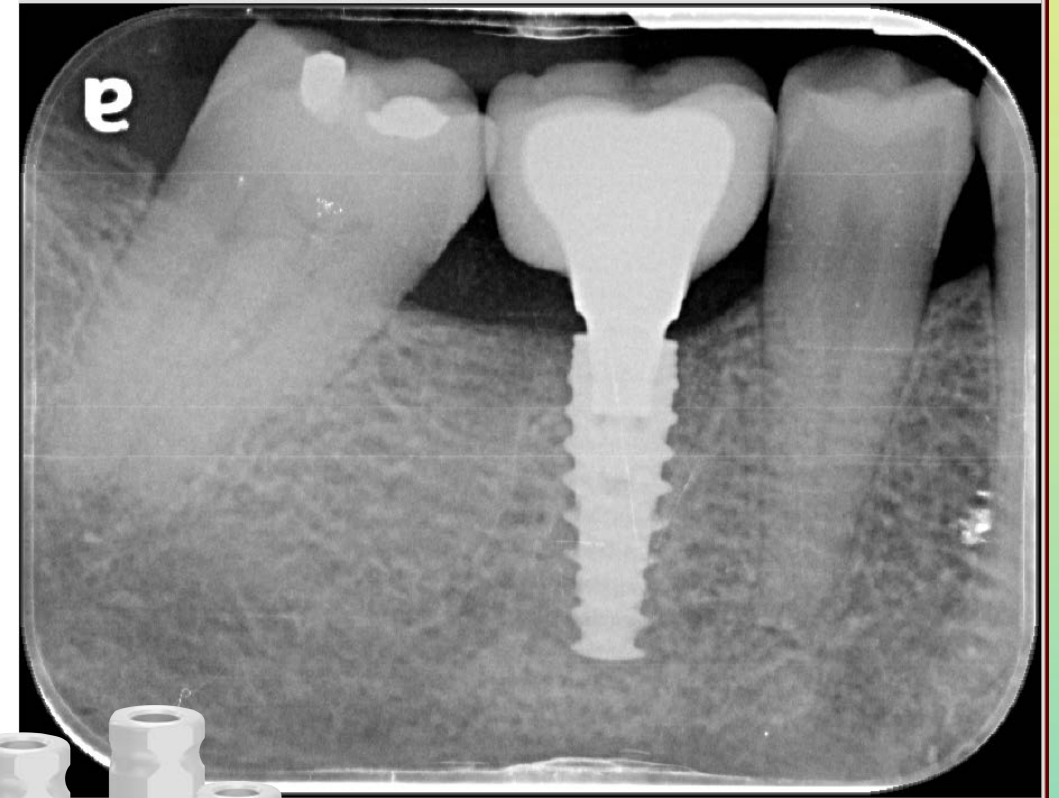
Gender: Female

Medical background: Nonsignificant

- Aug 2022:

Performed treatment:

- Screw-retained crown on Chrome Cobalt casting abutment
- Still some bone is lacking around neck, however, bone gets to the top of the implant.



Ms. A.M

Prof. Nahum Samet

DMD Prosthodontist



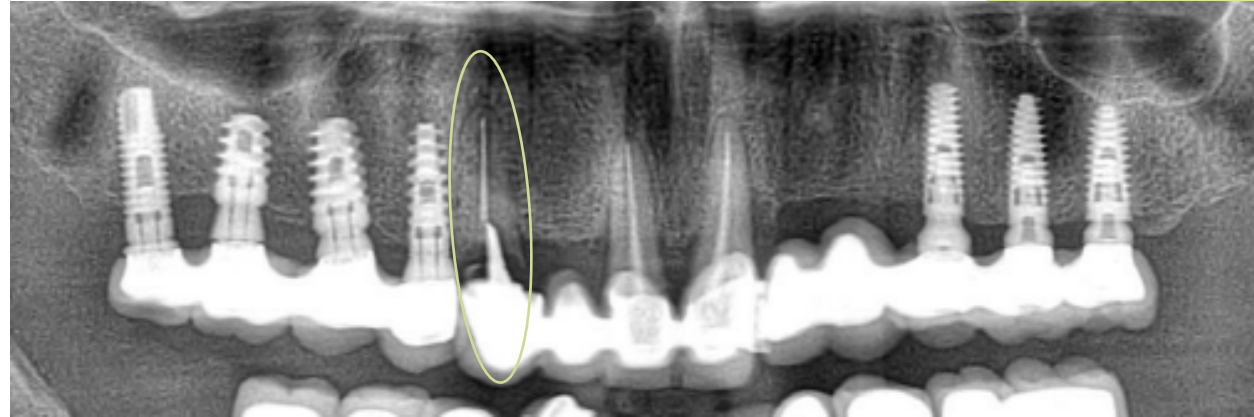
Ms. A.M.

Year of birth: 1953

Gender: Female

Medical background: Nonsignificant

- **Dec 2022:**
 - Tooth 13 disconnected from bridge.
Tooth is hopeless.



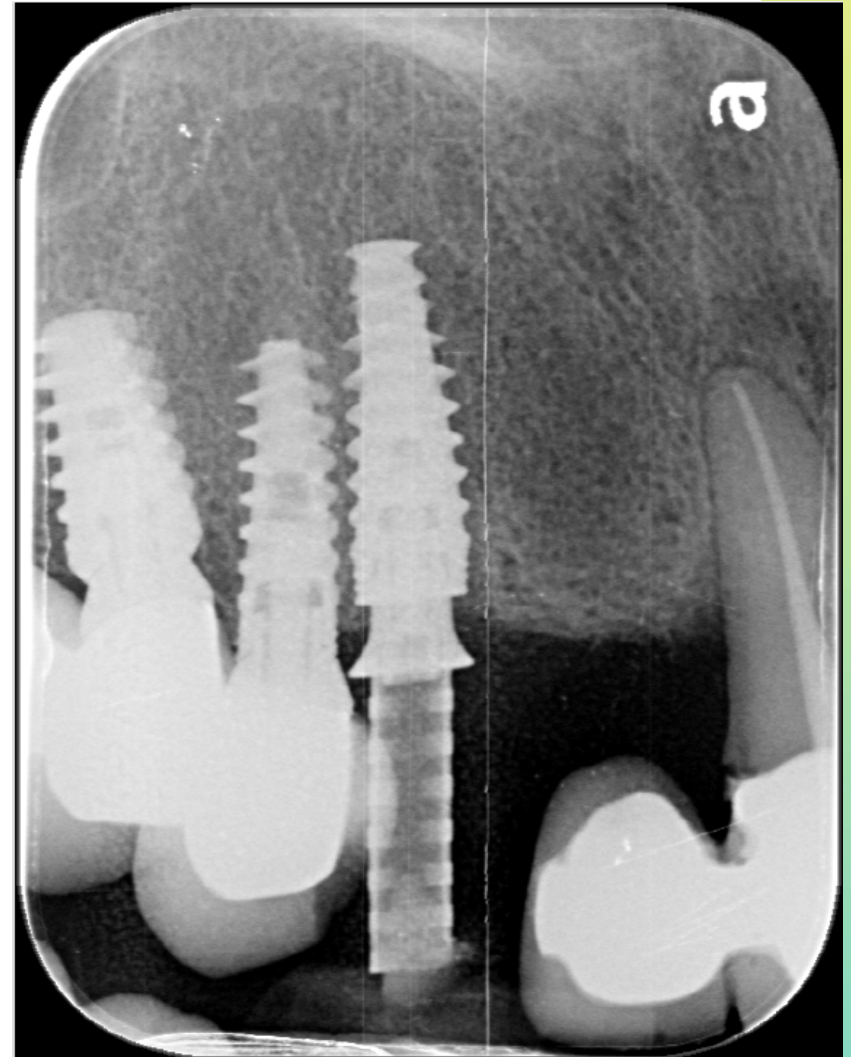
Ms. A.M.

Year of birth: 1958

Gender: Female

Medical background: Nonsignificant

- Dec 2022:
 - Immediate placement and loading



Ms. A.M.

Year of birth: 1958

Gender: Female

Medical background: Nonsignificant

- Jan 2023:
 - 6 days after immediate placement and loading



Ms. A.M.

Year of birth: 1958

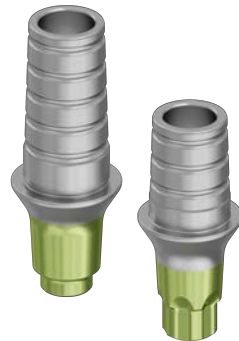
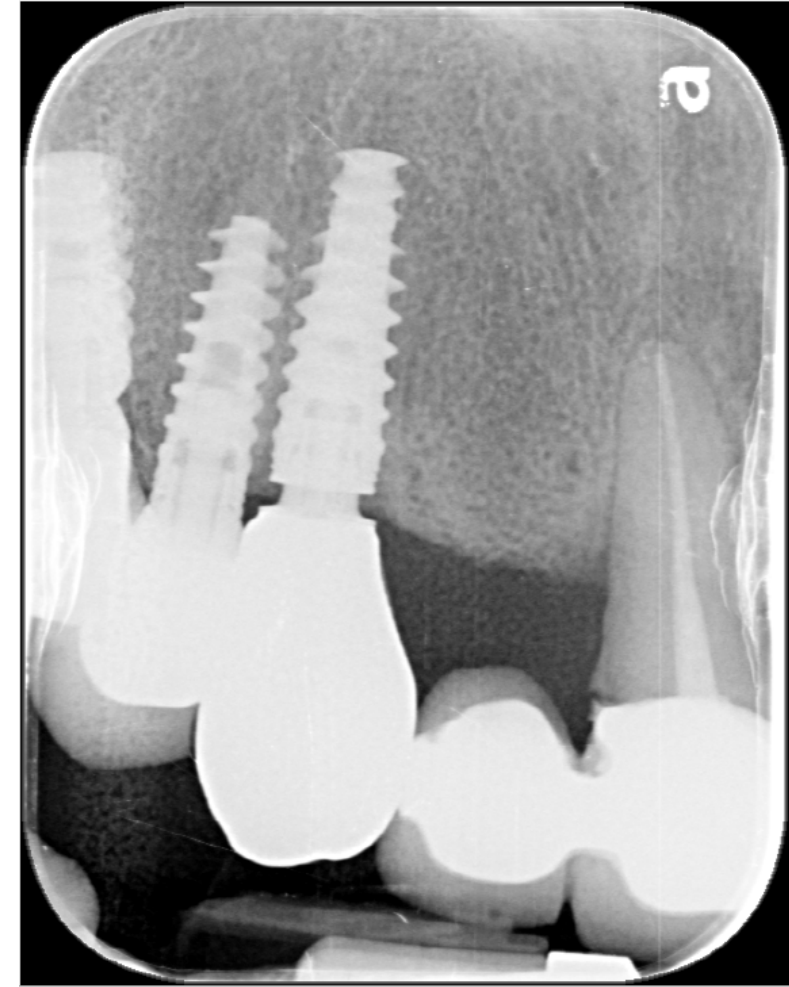
Gender: Female

Medical background: Nonsignificant

- Jan 2023:

Performed treatment:

- Screw-retained crown on T-Base



Ms. O.S

Prof. Nahum Samet

DMD Prosthodontist



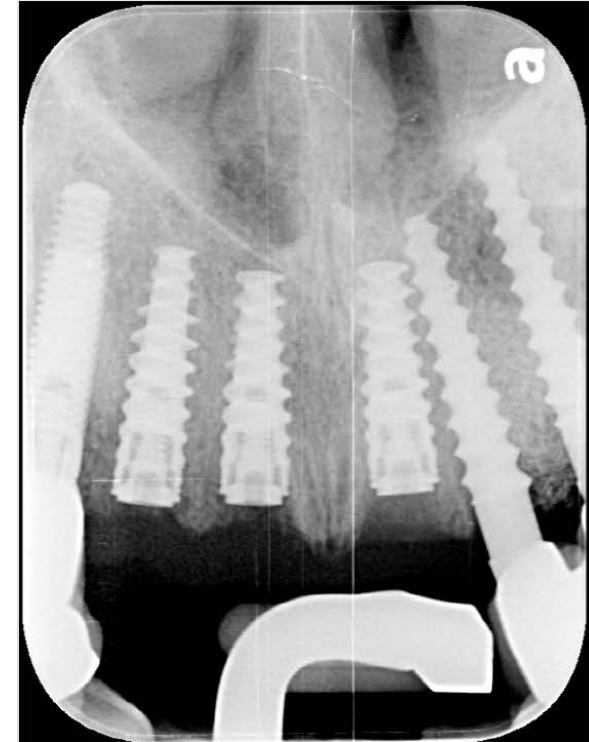
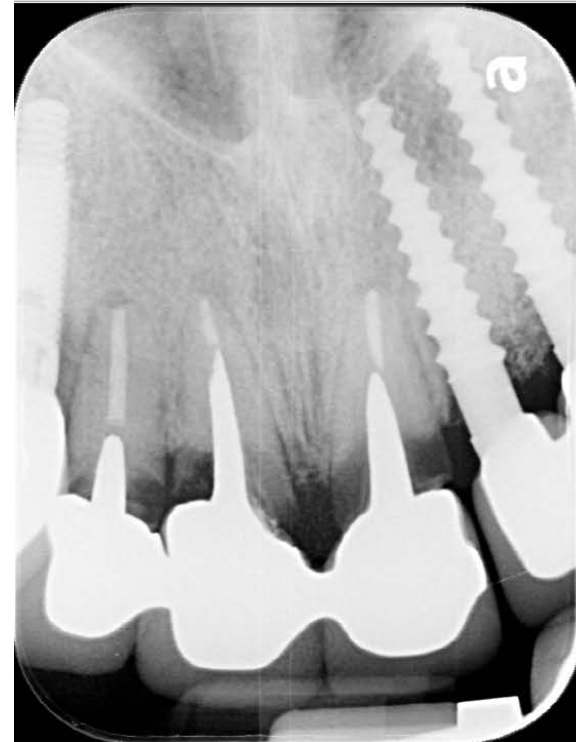
Ms. O.S.

Year of birth: 1963

Gender: Female

Medical background: Nonsignificant

- Jan 2023:
 - Immediate placement



Ms. O.S.

Year of birth: 1963

Gender: Female

Medical background: Nonsignificant

- Feb 2023:

Performed treatment:

- Temporary restoration custom abutments on T-Bases

on

