

Case 4



**Krzysztof
S posterior
single
molars 16
and 46**

History



- 62 year old male
- Healthy, non smoker, compliant patient
- Good periodontal condition
- Patient wants to restore posterior function and does not want to wear down anterior teeth more than naturally would occur
- Tried Partial dentures a few years ago but was not happy.

Treatment Options

- Leave as is
- Removable partial dentures
- Bridges are only an option on RHS but not LHS and 47 prognosis is questionable
- Implant supported crowns



Systemic factors

- Nil medical
- Non smoker

Local factors

- No aesthetic concerns
- TMJ no issues
- Mild bruxer
- Opens wide
- No periodontal issues



Diagnostics

Old OPG revealed
maxillary sinuses will
complicate treatment

Obtained CBVT to help in
diagnosis from another
implant surgeon

Study models

Constructed radiographic
guides which convert to
surgical guides and
arranged a CBVT with
guides in place

Planned on Nobel
Clinician







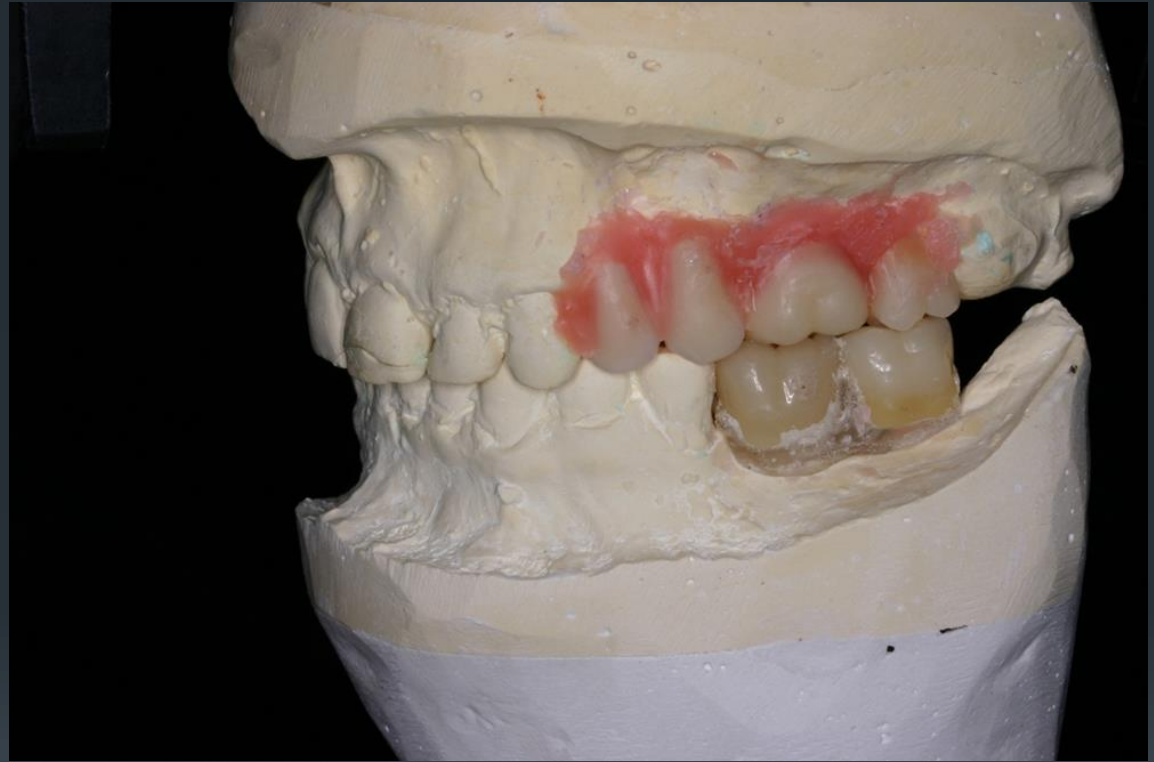
Proposed treatment left side Case3

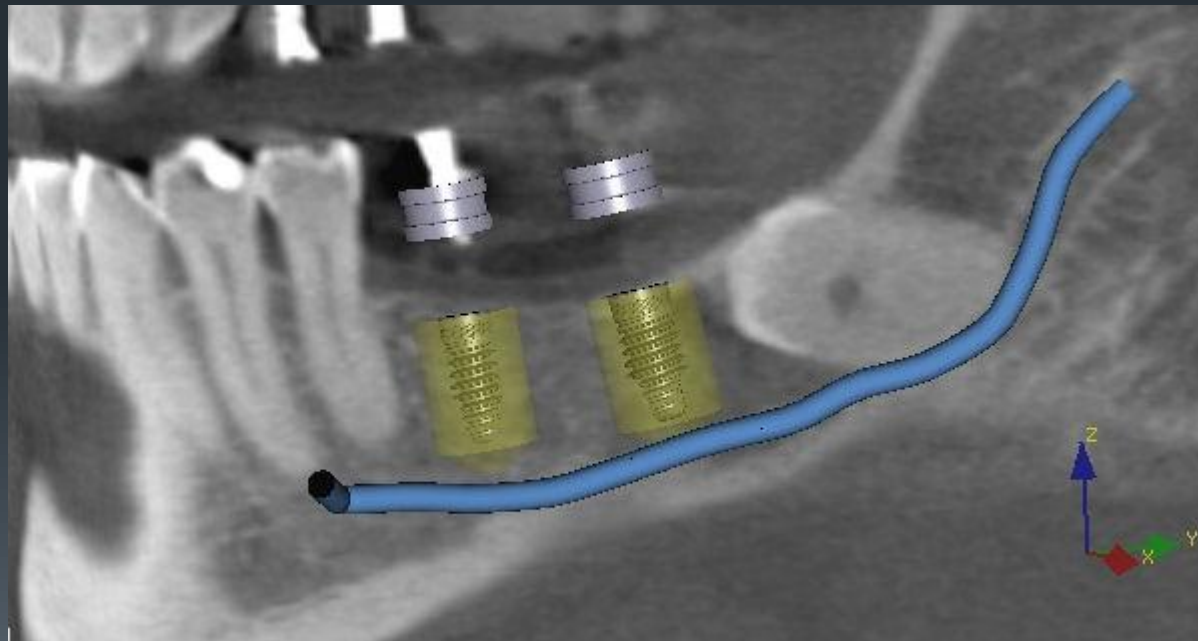
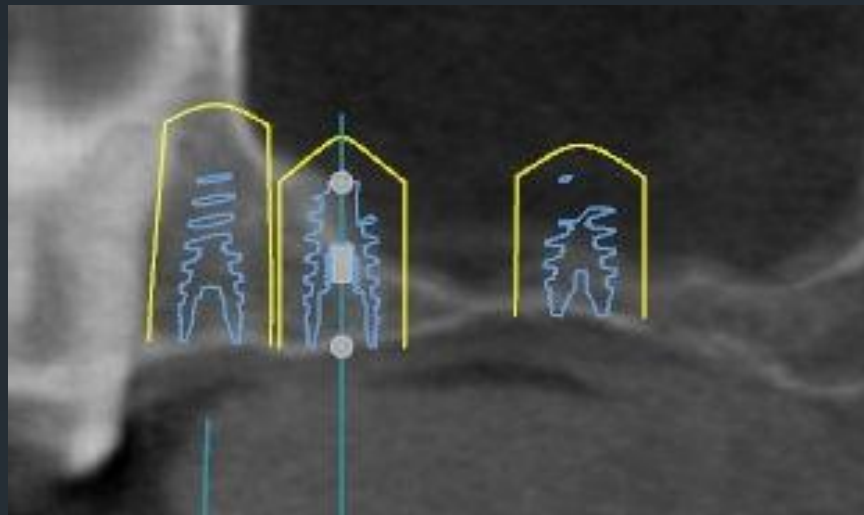
-24 25 26 27 four unit
bridge on three implants
with sinus augmentation(
2-stage surgery), Screw
retained on custom
abutments

-36 single implant

-37 single implant, both
on Ti abutments, cement
on PFM

-Cut down 34, 35 by
1.5mm as over erupted



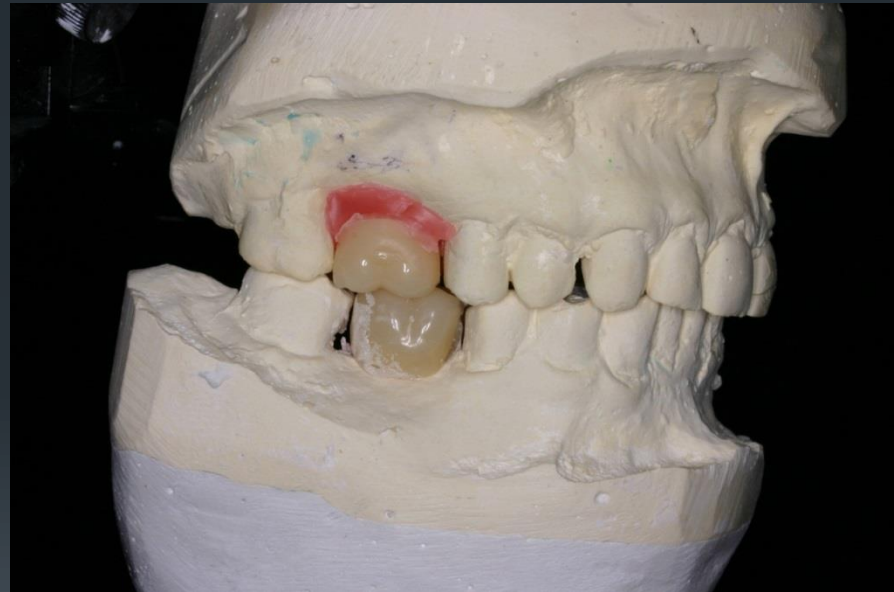


Proposed treatment right side Case4

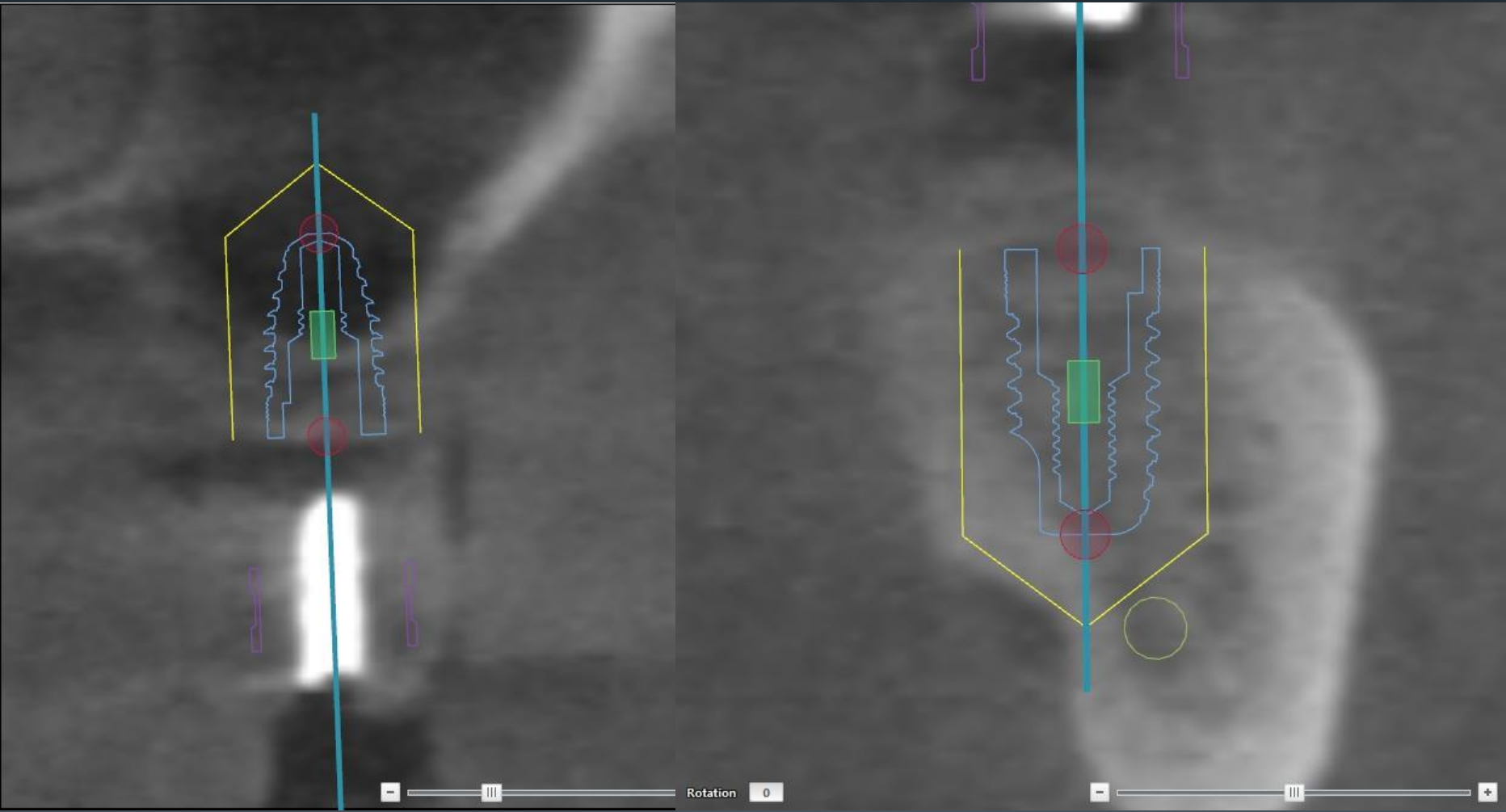
-16 implant with sinus
augmentation (lateral
window) 1-stage implant
surgery if sufficient
torque achieved at
surgery

-46 1-stage implant

-Ti CAD CAM abutment
and cement on PFM
crowns planned for both

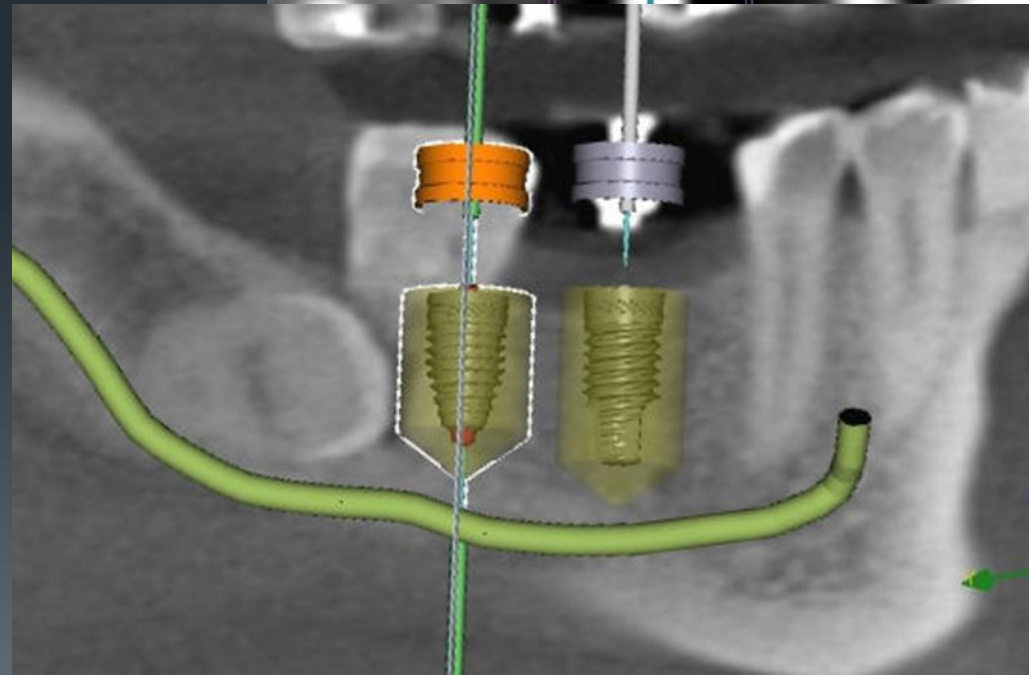
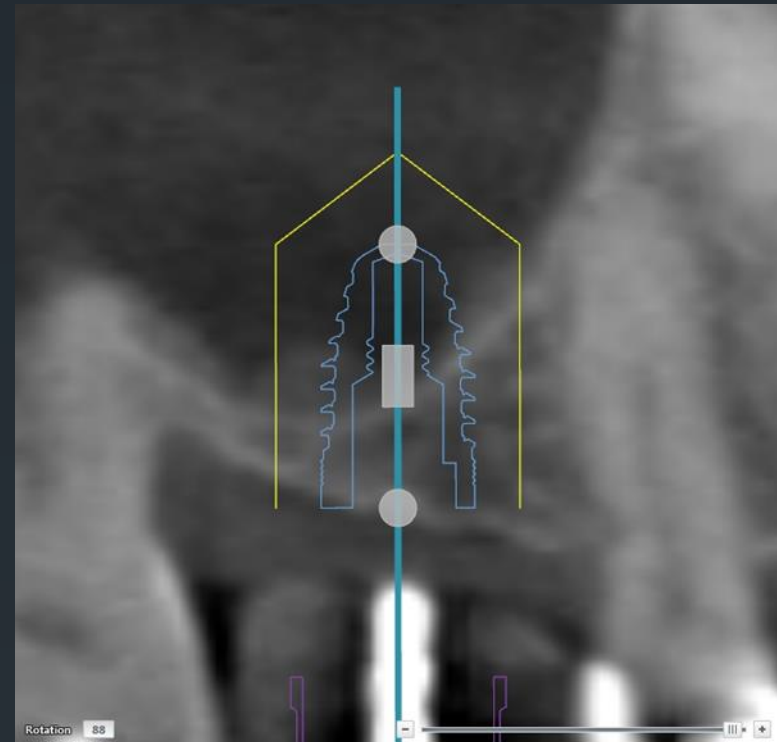


16 planned on Nobel clinician for 5.0x9mm Osseospeed
46 planned for 5.0x9mm Osseospeed



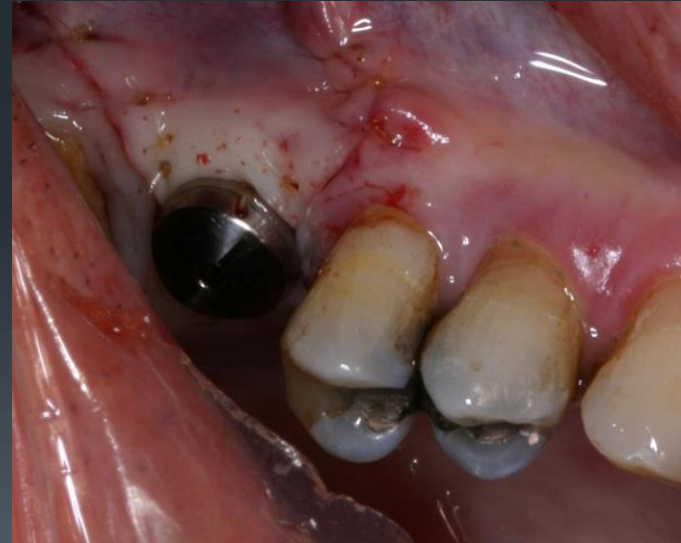
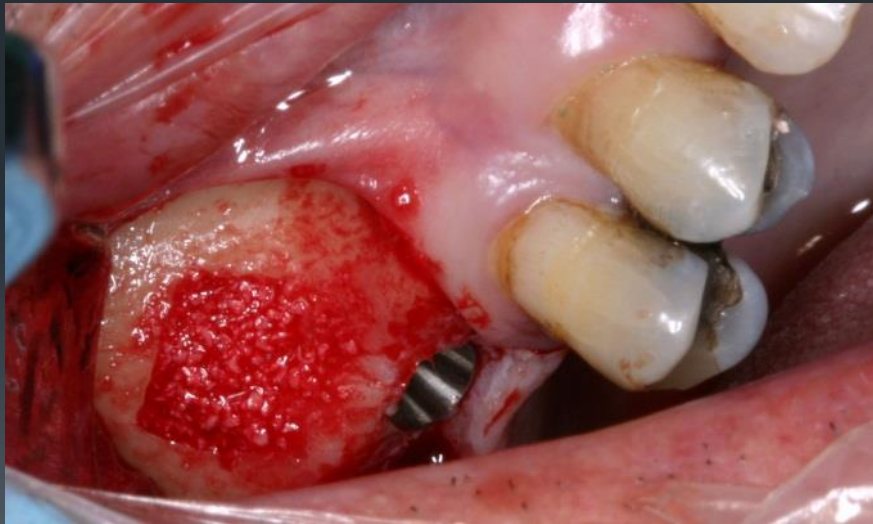
Buccal view

- 47 considered in planning if it was to ever give trouble



Surgery

- All implants placed under GA 8th Oct
- All implants fully torqued to 35N/cm
- Sinus augmentation via lateral window approach using Bio-Oss and Bio-Gide
- Astratech Osseospeed TX implants used 5.0x9mm for all except 24 and 25, 4.5x11mm
- Both implants 1-stage surgery method



OPG 2 weeks post surgery

OPG for trauma, infection, tumour (57960)
OPG
Se: 29/10/2012 5:34:48 PM
Acc #47.6510421
Se: CR #1
Im: 1/1

Benson Radiology
[SLYSZ*KRZYSZTOF]
[22/01/1950]
[M] [062Y]
[# 10572181]



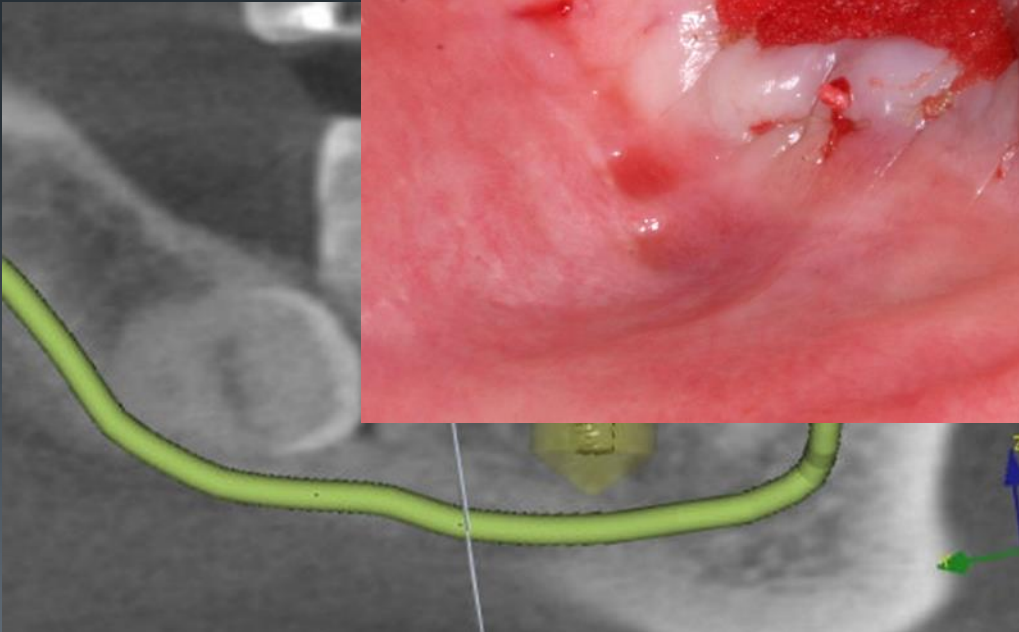
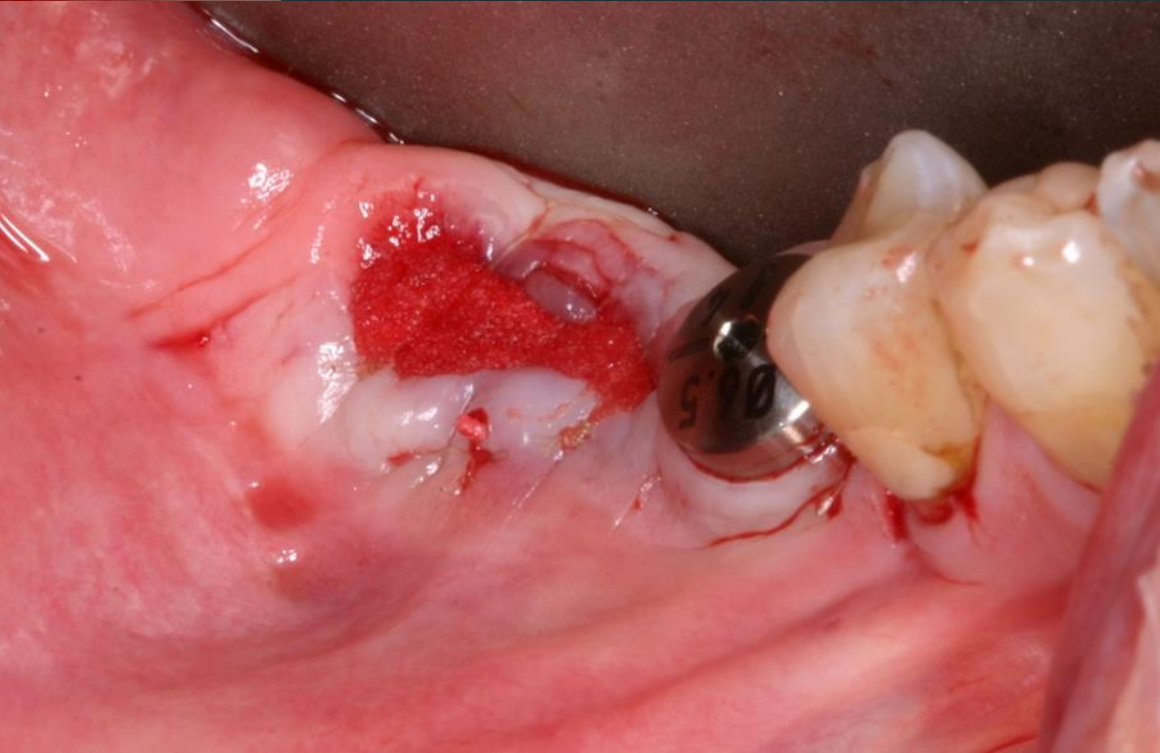
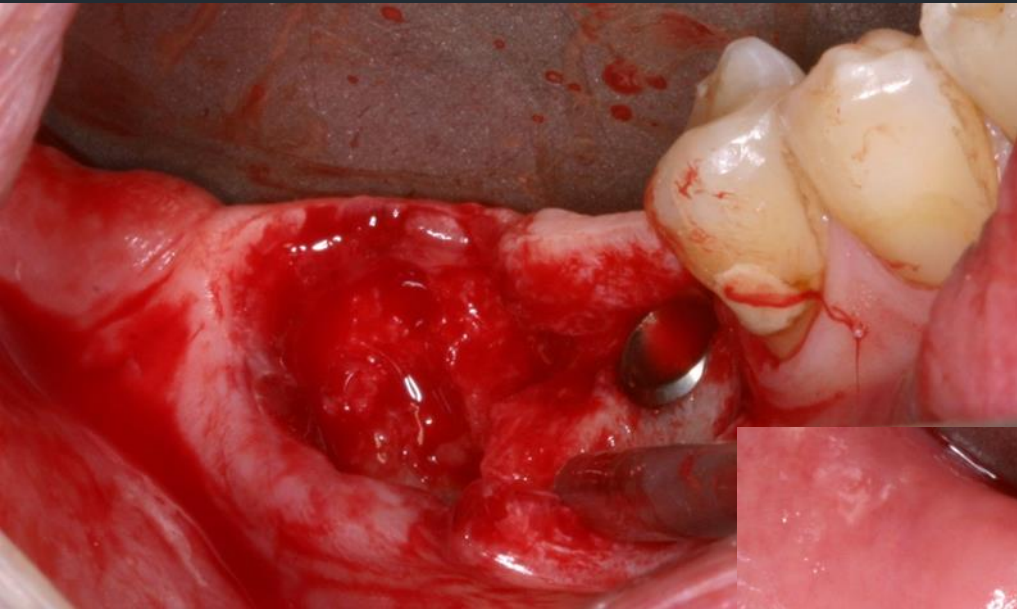
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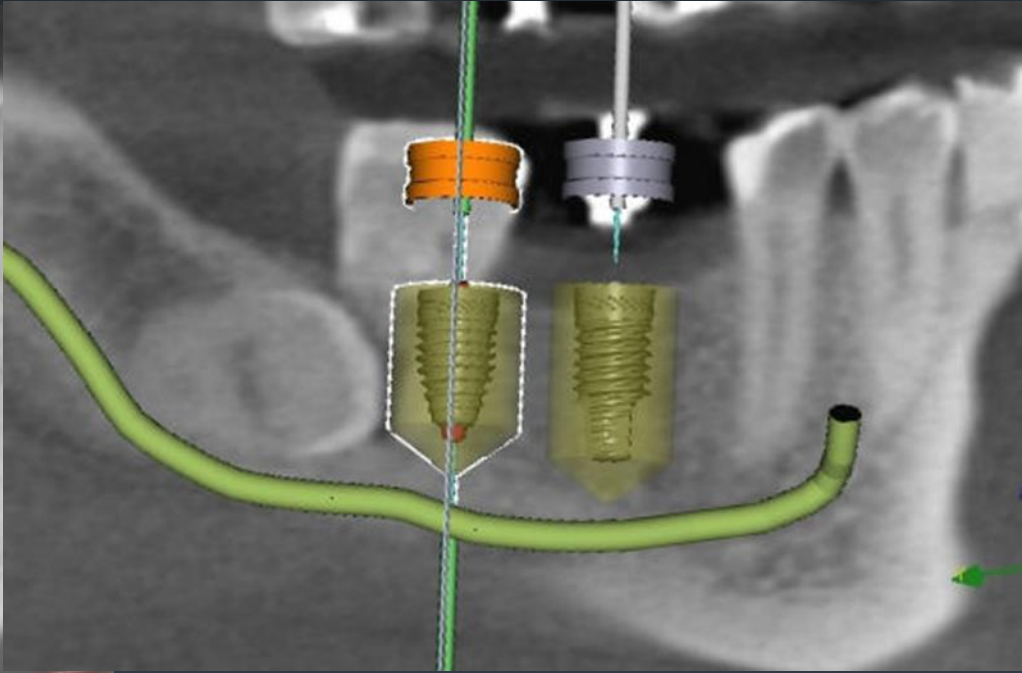
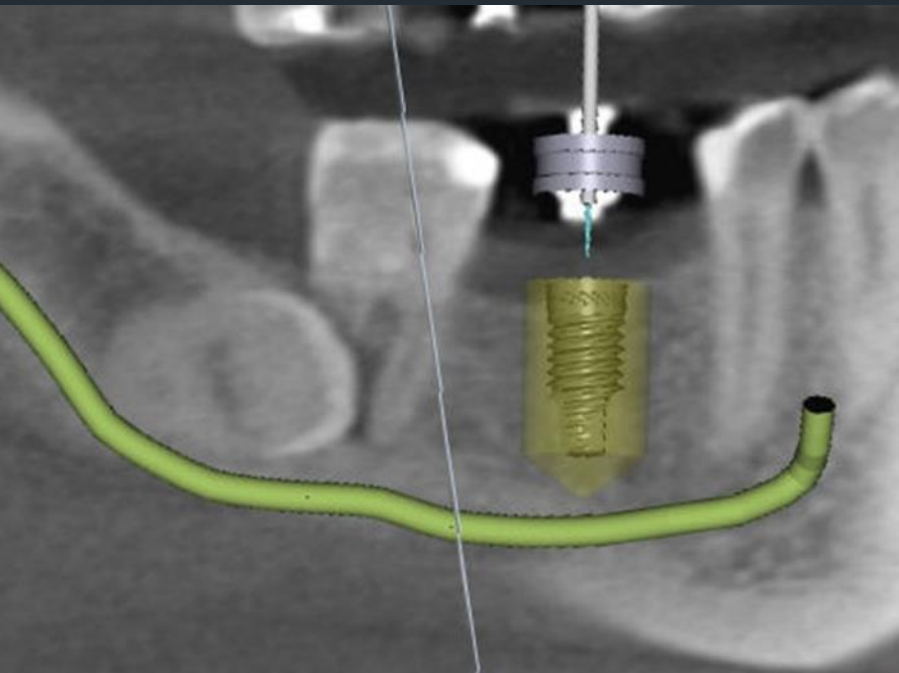


atment plan

e to complications a week

to left in situ as asym
conservatively







Ti abutment 46 and PFM



Right Side

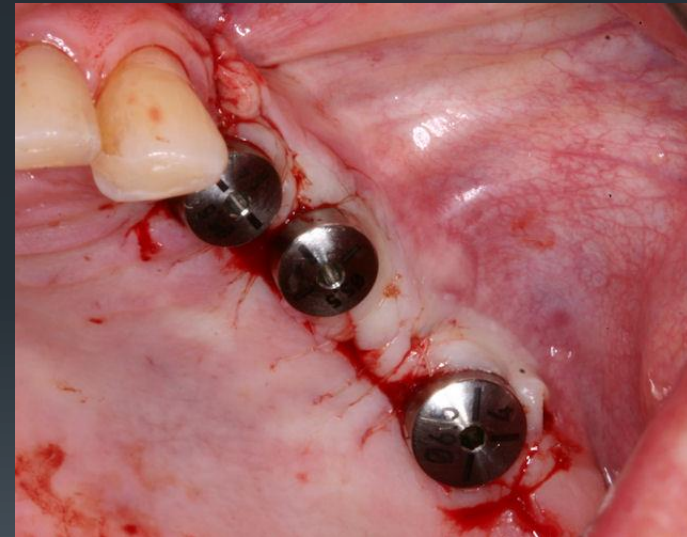
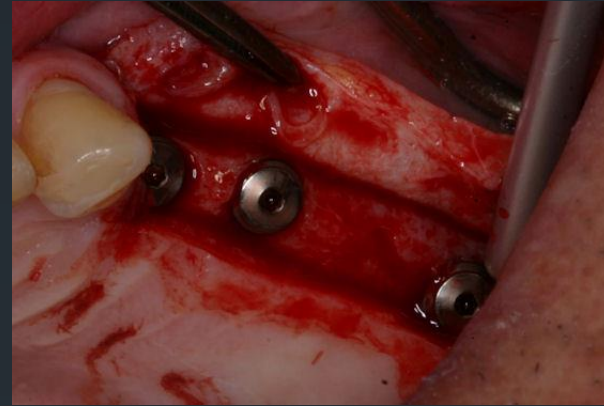


Next Phase of Treatment

- April 2013 second stage surgery 2nd quadrant (case3), implant in the 47 site at the same appointment, impressions 2 weeks later
- The 4 teeth in 2nd quadrant link all as one bridge. Screw retained.
- Finish second quadrant by June 2013
- Final crown on 47 August this year after 3 months

2nd Stage Surgery, April 2013

- Performed under LA
- Modified Pallaci flap with a connective tissue graft (same site)



47 Implant placement

