# A Multidisciplinary Oral Rehabilitation

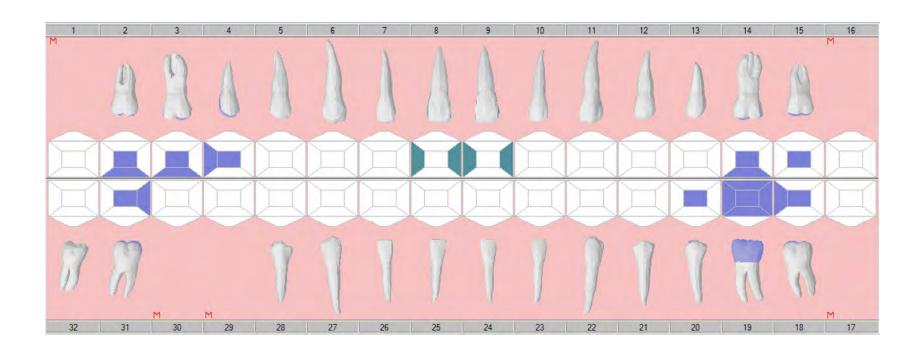
Ramteen Rafii - DDS 2021

#### **Patient Information**

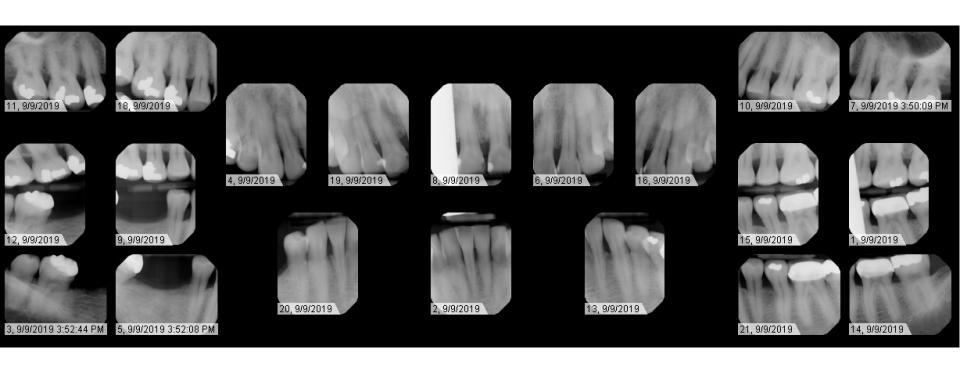
- 46 y/o Male
- Chief Concern "I want to fill the spaces where I don't have teeth, I
  want to fix my broken teeth, floss shreds when I floss my bottom left
  molars, and I want to replace my silver fillings to tooth colored fillings"
- HCC Patient lost #29 & #30 about 26 years ago due to caries. He fractured the facial surfaces of #8 & #9 a year back and recently fractured the ML cusp of #18 while eating.
- MH Non-Contributory
- Meds Pt reports no medications
- Allergies NKDA, seasonal allergies
- DH Last time he saw a dentist was 5 years ago because of tooth pain.
- SH Patient lives in Chico with his wife and daughter. He works in San Francisco as a painter. He moved from Oaxaca Mexico in 1995. Pt is a recovering alcoholic and is 12 years sober.

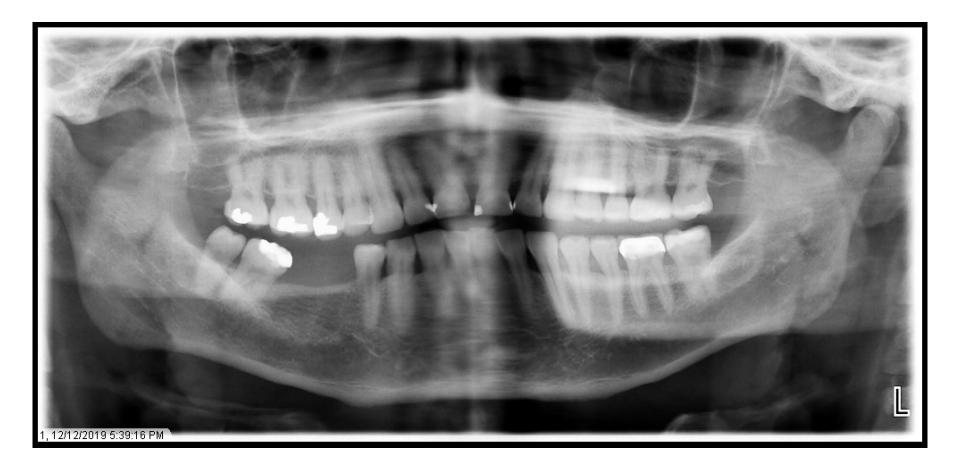


## **Initial Odontogram**



#### **Initial FMX**

























- Loss of tooth structure mentioned in patient's Chief Concern can be seen radiographically
- Missing restoration on #8



Radiolucency





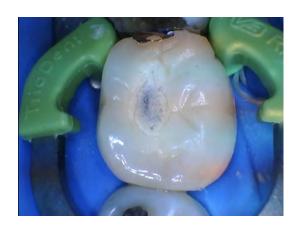
#### **Clinical Photos**

- Erosion Visualized on both F and L surfaces of #8 & #9
- Missing ML restoration on #8





- Large MO amalgam and fractured ML cusp on #18
- PFM crown on #19. Recurrent
   Decay was seen clinically



Radiolucency from Fractured Cusp



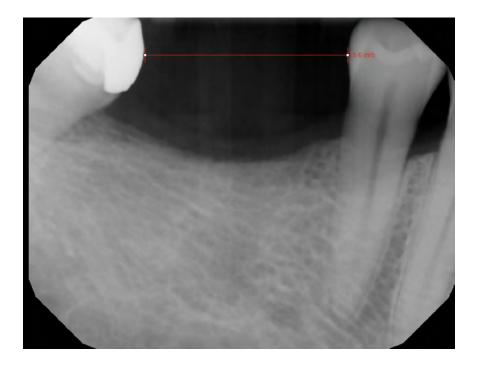


- #31 is tipped mesially due to loss of #29 and #30
- Onlay of #31 has an open margin and recurrent decay





- 15.6mm span of edentulous space
- IA Canal far from ridge crest



#### **Periodontal Findings**

#### Assessment:

- Pocket Depths: 3-5mm (some 6 & 7's)
- Attachment loss: 1-5mm (some 6's)
- Mobility: 1 on #25, 0 on all other teeth
- Furcation Involvement: Class I furcations on F of #3, 14, and 31, and on L of #19
- Plaque Score: 1.7 Poor

**Perio Dx:** Stage III, Grade B periodontitis or Generalized Moderate Chronic Periodontitis

**Etiology**: Bacterial plaque, calculus, poor restoration margins

**Prognosis:** Generalized good prognosis. Fair

for teeth #3, 14, 19, 28, and 32

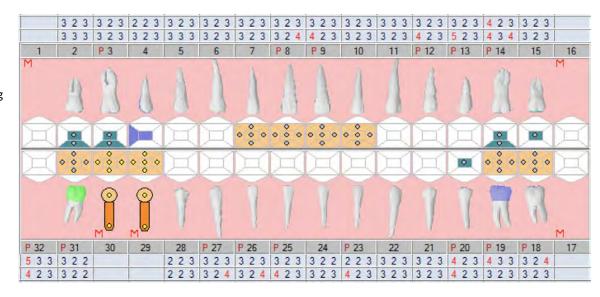
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#### **Hard Tissue Findings**

#### Findings:

- #2 and 3 OL Amalgam
- #4 DO Amalgam
- #7 M, 8 M&D, 9 M&D, 10 M Composite
  - 8 Mesial Composite Restoration missing
- #8 and 9 fractured facial surface
- #9 Missing Restoration
- #14 OL Amalgam
- #15 O Amalgam
- #18 MO Amalgam. Fractured ML cusp
- #19 PFM Crown Overhanging Margin
- #20 O Amalgam
- #29 & #30 missing
- #31 Metal Onlay Large Open Margin



Large and Potentially deep #4 DO amalgam... better to leave it alone.



#### **Treatment Plan**

#### **Urgent Phase:**

- No Treatment
- Vitality testing on #18

#### Disease Control:

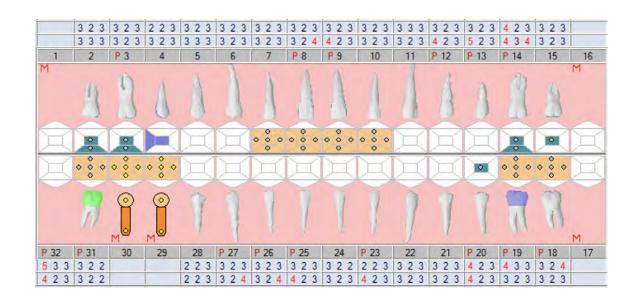
• 4 Quads Limited SRP with OHI

#### Restorative Phase:

- Buildup on #18 & #20 O composite
- #14 OL composite ##15 O composite
- #2 & #3 OL composite
- Extract #32
- Zirconia Crown #18
- Zirconia Crown #19
- Zirconia Crown #31 (Upright)
- Implant Placement #29 &#30
- Lithium Disilicate Crowns on #7-10
- Implant Crown Delivery #29 and #30
  - Zirconia, Screw Retained

#### Maintenence Phase:

- Nightguard
- 4 month SPT Recall



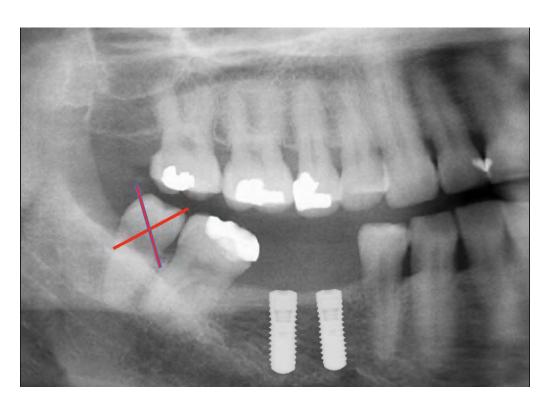
# **Implant Work-flow**



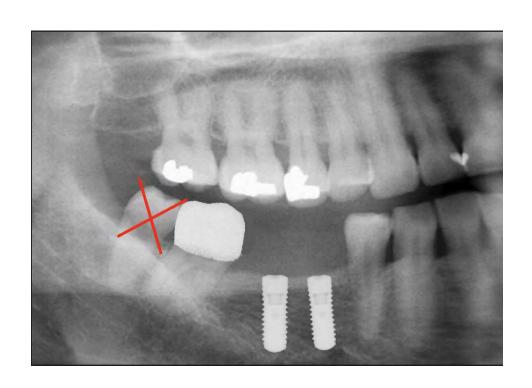
#### **Problem: Insufficient space for 2 implant crowns**



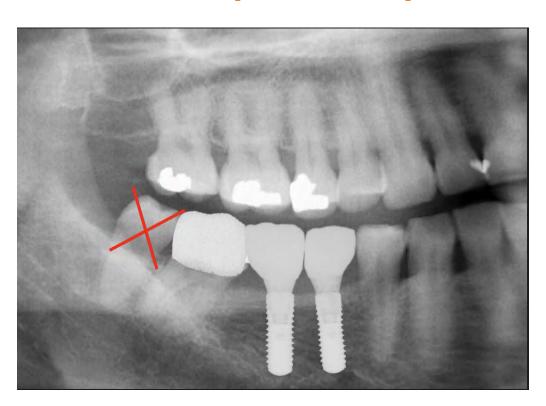
#### **Solution: Extract #32**

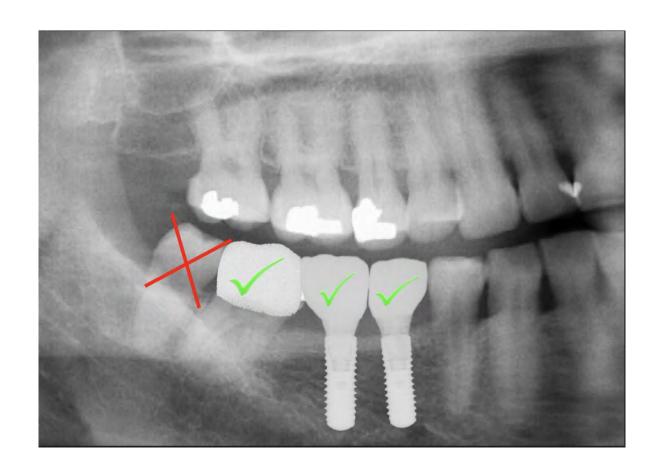


#### Solution: Place Zirconia Crown on #31 to Upright tooth



### **Gained 2-3mm of space for Implant Crowns**





### **Clinical Result**

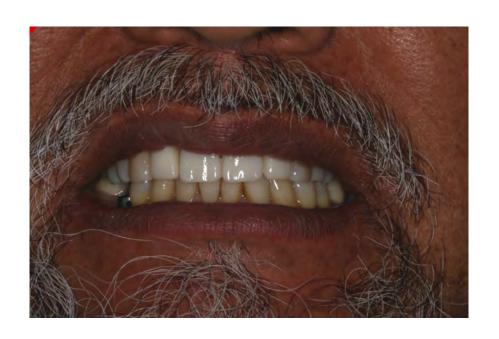


#### **Utilization of Digital Dentistry - Trios Scanner**





# **Temporaries in Place**





### **Smile Design**

- Temporaries used for both the patient and myself to offer feedback
- Photos sent to lab for them to make necessary adjustments on final restorations



# **Shade Matching**







#### **Final Result!**









### **Final Result!**





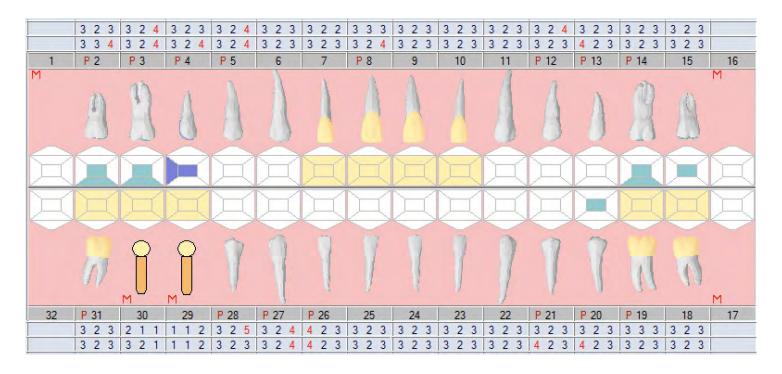








### **Final Odontogram**



### Radiographs taken at recall

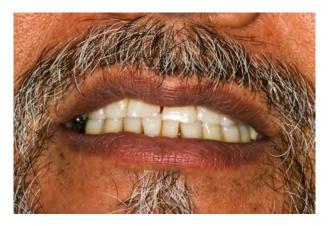


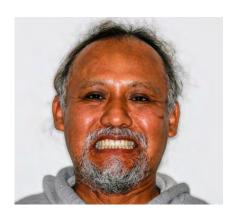


# **Before/After**













# **Before/After**









**Additional Intraoral Photos** 

# #20 Prep & Fill





#### #18 Presented with Large MO amalgam and ML cusp Fracture



#### Old restoration and caries removed

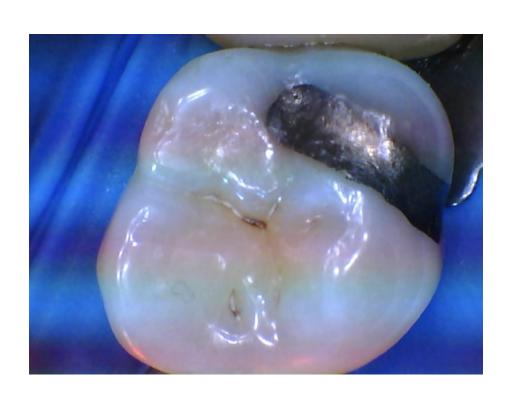
- Rubber dam isolation used for amalgam/caries removal and isolation for buildup
- All remaining tooth structure is hard and non carious
- Staining observed from amalgam restoration



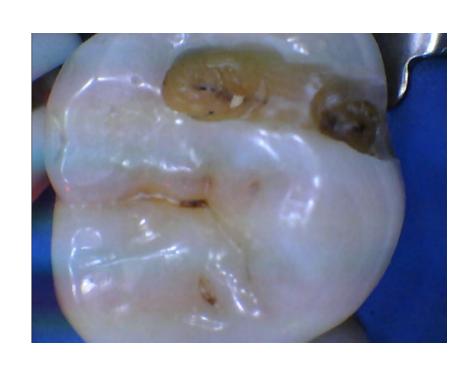
# **Buildup Placed**



#### #14 O and OL



### **Caries Removal**





## **#14 Final Restoration**



# **#15 0**

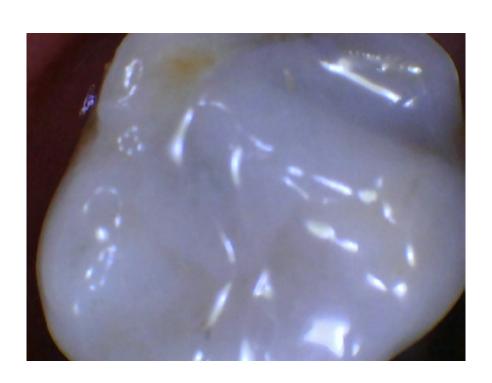


#### **Caries Removal**

- Again, all remaining tooth structure is hard and sound
- Amalgam staining observed



#### **Final Restoration**



### #3 O and OL



# **No Recurrent Decay found**



## **#3 Final Restoration**



## #31 Onlay with open margin and recurrent decay



#### **Caries Removal**

Initial Mid-Caries Removal Final







### **Activa and Buildup Placed**





Notes: A little less activa could have been used

&

Buildup has not yet been finished/polished

#### **Summary**

\$14,000 treatment plan

Treatment initiated: 10/15/2019

Treatment completed: 5/7/2021

Total Treatment time: 19 months

Disciplines involved: diagnostic, periodontics, direct & indirect restorative, oral surgery, implant dentistry

# Thank you!