

# REPLACEMENT OF DECIDUOUS TEETH INTO PERMANENT WITH HELP OF DENTAL IMPLANT

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A patient aged 23 years came to the clinic with chief complaint of mobile retained lower deciduous 2<sup>nd</sup> molars on both (left & right) side. On oral examination, both deciduous molars were grade I mobile with no other finding. On radiographic examination, there was minimal support of bone of around 2-3mm of root was held by bone.

## Treatment options:

- A removable partial denture is one option for the replacement of a single missing tooth. However, patient was not satisfied with this alternative due to the bulk of acrylic and the unsightly clasps necessary to stabilize the prosthesis.
- Two most common treatment options for single tooth replacement are the fixed partial denture (three unit bridge); patient was not ready for the reduction of surrounding healthy tooth.
- Single tooth implant.

## Treatment plan:

### Step 1: Examination and Planning

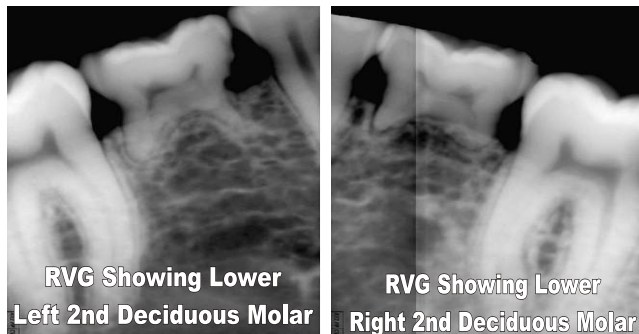
#### On oral examination:

- Both the deciduous teeth were grade I mobile
- Crowding in lower arch



#### On radiographic examination:

- Minimal tooth support i.e. 2-3mm of root was in the socket, with resorbed roots.
- Succedaneous tooth (2<sup>nd</sup> premolars) was absent.



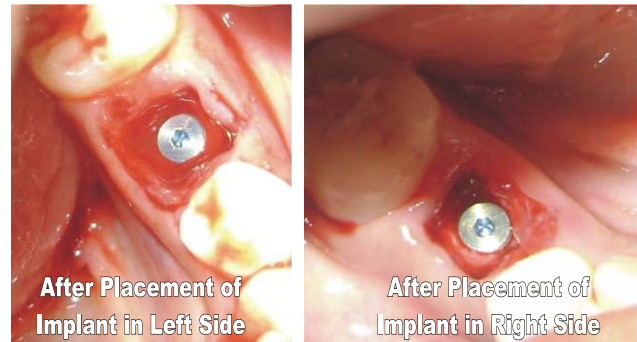
### Step 2: Placing the Dental Implant

- Stage 1 Surgery- Implants are placed in jaw.
- Sutures are removed 7 to 10 days following surgery.
- A soft diet is recommended during the first 4 to 6 weeks.

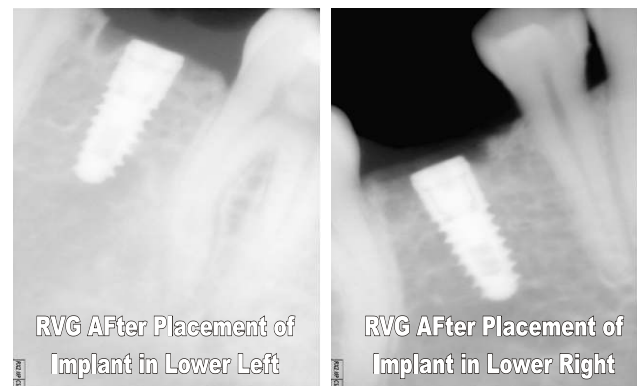
### Step 3: Placing the Gingival Former

- Stage 2 surgery: implants are uncovered.

#### Intra-Oral View:



#### Radiographic View:



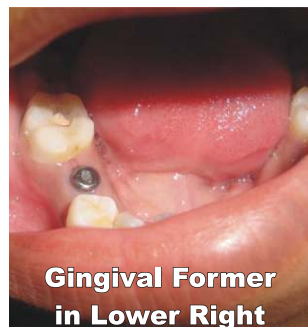
- Sutures are removed 7 to 10 days following surgery.
- A soft diet is recommended during the first 4 to 6 weeks.

### Step 3 : Placing the Gingival Former

- Stage 2 surgery : implants are uncovered.
- Placement of gingival former.



Gingival Former  
in Lower Left



Gingival Former  
in Lower Right

- Patient is asked to wait for other 21 days, for formation of gingival collar.

### After 21 days :



Beauty of Gingival  
Former in Lower Left

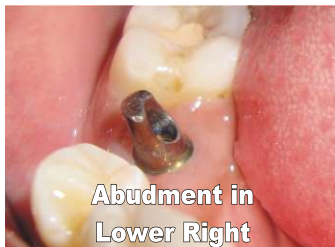


Beauty of Gingival  
Former in Lower Right

- Connecting the abutment and impression making of the both arches



Abudment in  
Lower Left



Abudment in  
Lower Right

### Step 4: Restoration or Placement of Prosthesis



Crown in Lower Left



Crown in Lower Right

### ADVANTAGES

1. A dental implant provides several advantages over other tooth replacement options. In addition to looking and functioning like a natural tooth, a dental implant replaces a single tooth without sacrificing the health of neighboring teeth. The other common treatment for the loss of a single tooth, a tooth-supported fixed bridge,



requires that adjacent teeth be ground down to support the cemented bridge.

2. Because a dental implant will replace your tooth root, the bone is better preserved. With a bridge, some of the bone that previously surrounded the tooth begins to resorb (deteriorate). Dental implants integrate with your jawbone, helping to keep the bone healthy and intact.
3. In the long term, a single implant can be more esthetic and easier to keep clean than a bridge. Gums can recede around a bridge, leaving a visible defect when the metal base or collar of the bridge becomes exposed. Resorbed bone beneath the bridge can lead to an unattractive smile. And, the cement holding the bridge in place can wash out, allowing bacteria to decay the teeth that anchor the bridge.

The success rate of dental implants is highly predictable.

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