

# CLINICAL CASE REPORT

## MARCH 2011

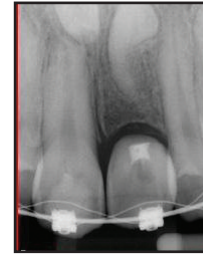
SOUTH JERSEY PERIODONTICS & DENTAL IMPLANTS, LLC

DANIEL KUBIKIAN, DMD

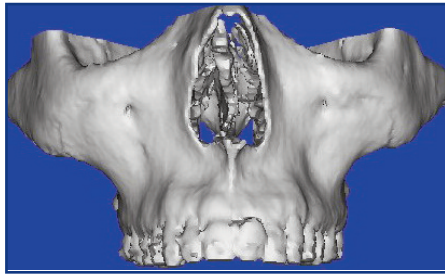
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**Background:** PD was referred by his general dentist to replace missing tooth #9. PD had the anatomic crown attached to the orthodontic bracket during his active orthodontic therapy.

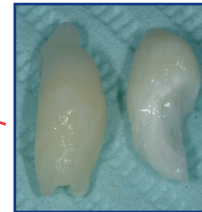
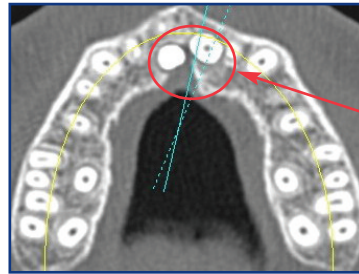
**Initial Findings:** Two supernumerary teeth were present in and near proposed implant site #9. Note: There is a significant discrepancy between the gingival margin heights #8-9.



3D Recreation

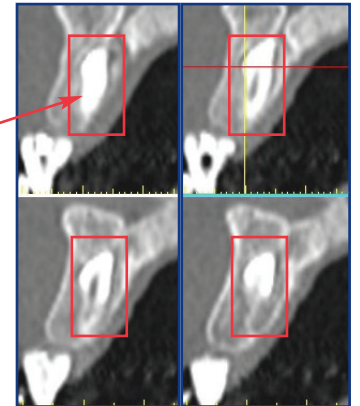


Axial Image



Supernumerary Teeth

Cross Section



**Step #1:** Planning for access to the supernumerary teeth was greatly aided by the use of the **in-office 3D cone beam scan**. (See images above.) The supernumerary teeth were removed with a **piezo surgery machine** which prevented damage to adjacent nerves and blood vessels. Simultaneous bone augmentation was performed at the time of extraction in an effort to provide maximum bone availability.

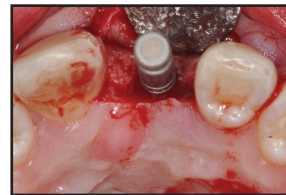
Without Essix Appliance



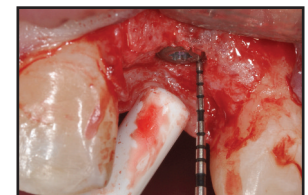
With Essix Appliance



Implant Direction Indicator



Implant Placed Sub-Osseous

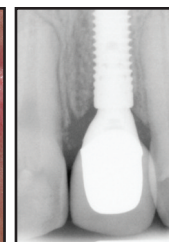


**Step #2:** While the bone augmentation matured, PD wore an **essix appliance** as a transitional restoration. (See images above.) An essix appliance is a thin clear tray (similar to a bleaching tray) fabricated to allow his original anatomic crown to be used. This is a cost effective option for the transitional restoration.

**Step #3:** Implant Placement #9 was performed with simultaneous autogenous bone augmentation, harvesting from the actual osteotomy site. This avoided the use of cadaver bone and minimized overall expense. Note: The implant direction indicator is a preview of the future impression coping position when being restored by the general dentist. (See images above.)

### Case Conclusion:

Implant Restoration #9 was performed at a very high level by the referring dentist. Extra attention was provided in the porcelain shading to match every subtlety including tobacco staining. Note: Today's newer implants do not show radiographic bone loss as we had previously been prepared to expect. (See x-ray image to right.)



*"Thank you for being so meticulous... I'm really thrilled that you worked with my general dentist for a great end result!"*  
Patient PD

*"I am impressed by Dr. Kubikian's technical skill, his persistent commitment to achieving the best result and his superb patient management on this case. There is nothing better than a happy, smiling patient restored back to dental health!"*  
Dr. Sharon Verdinelli

General Dentist  
Orthodontist  
Laboratory

Dr. Sharon Verdinelli  
Dr. Tom Kadar  
Quintessence Lab,  
Frank Wyatt