

# CLINICAL CASE REPORT

## WINTER 2013

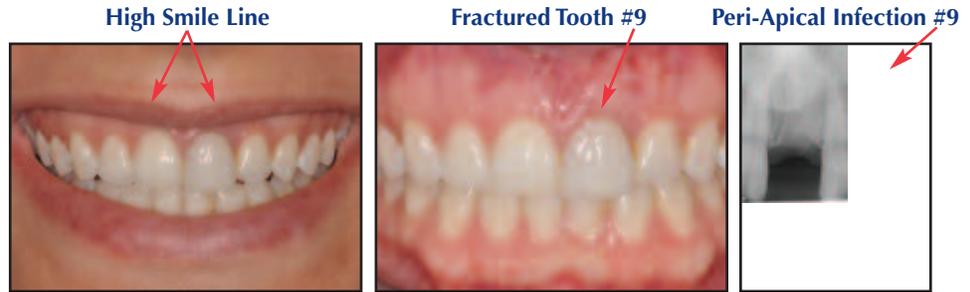
SOUTH JERSEY PERIODONTICS & DENTAL IMPLANTS, LLC

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**Background:** AM suffered trauma at a young age on tooth #9 and recently sustained a vertical fracture which caused severe pain, resulting in tooth #9 requiring immediate extraction with simultaneous bone augmentation.

**Initial Findings:** Her case challenge was her high smile line and we didn't want to commit her to restoring her adjacent tooth/teeth. As a transitional restoration, her current crown was reinserted into an essix appliance.

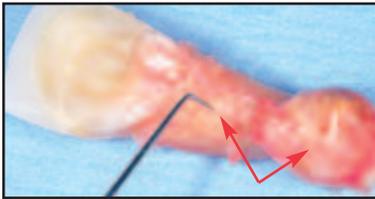


Pre-operative Photographs and Radiograph

### Step #1:

Upon extracting tooth #9, the socket was debrided of granulation tissue and simultaneous bone augmentation was performed. The current crown was then inserted into the emergency pre-fabricated essix appliance.

#### Peri-Apical Pathology and Vertical Fracture



#### With Essix Appliance #9 (Clear Tray Holding in Original Crown)



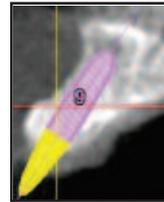
### Step #2:

The in-office, 3D cone beam scan was taken to determine implant size, location and angulation. Upon implant placement #9, the transitional appliance was reinserted. The patient had changed from an essix appliance to a transitional removable partial denture (flipper).

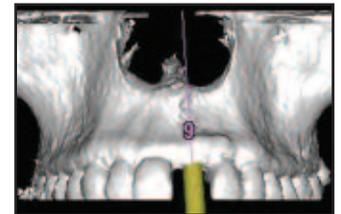
#### Healed Socket after Bone Augmentation



#### Cross Section #9



#### 3D Re-creation for Implant Planning



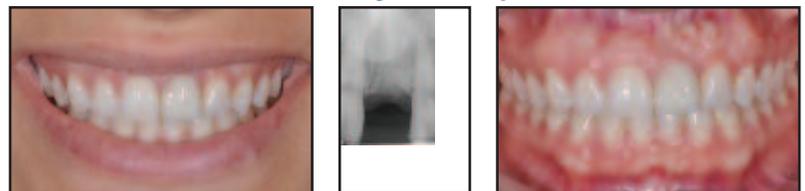
#### Implant Direction Indicator (this is where the future impression coping will emerge)



#### With Flipper #9 Re-Inserted



### Final: Here is her final single tooth implant restoration #9



### Case Conclusion:

Implant restoration #9 looked terrific by Dr. Carl Wyckoff. The implant crown shade, porcelain contour and overall esthetics help meet AM's expectations, even with a high smile line.

"I think that the process was much easier than expected and I was guided through the process well. I'm very pleased with the end result!"  
AM - Wenonah, NJ

"AM was temporized for six weeks in order to establish papillae and soft tissue contours. Ceramistar Dental Lab worked closely with us to create both an acrylic temporary crown and a porcelain final restoration that were esthetically pleasing."  
General Dentist Dr. Carl Wyckoff  
Wenonah, NJ

"The case turned out as well as it did because the proper course of treatment was performed. The patient had good implant placement, a lab processed provisional for proper gingival contours and was seen in our laboratory for custom shading to her satisfaction. Thank you for using Ceramistar."  
Laboratory Don Forjohn, Owner  
Ceramistar, Cherry Hill, NJ