Intentional Replant #31: A Case Report by Katie Burley

44 year-old Hispanic Male for evaluation and treatment of tooth #31.

Subjective Findings:

Chief complaint: "My tooth hurts if I bite down on it or even touch it lightly. And if I accidentally do bite on it, it will hurt for 3-4 hours sometimes." 

Medical History: ASA I. No medical conditions. NKDA. No medications other than occasional Ibuprofen for tooth pain

Dental History: RCT #31 completed by an endodontist 1/27/12. Pre-op DX: Irreversible pulpitis with symptomatic periapical periodontitis. Pt reports always having had some sensitivity & reports that the top of the tooth had been ground down to make it so it didn't touch, but chewing in the area still hurts

Objective findings:

Extra-Oral Exam: WNL, No signs of lymphadenopathy or asymmetry. Intra-Oral Exam: WNL. No signs of swelling or sinus tract. #31 has an amalgam restoration and is not in occlusion.

Diagnostic Findings:

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Radiographic Interpretation: Previous RCT #31 with adequate length, taper & density. Access restored with what appears consistent with amalgam. Marginal bone levels & Trabeculation WNL. Root apices #31 appear in close proximity to IA canal.
**Assessment:** Previously Treated with Symptomatic Periapical Periodontitis

**Tx Options:** Intentional Replant, Re-Tx, Apicoectomy, Extraction, No-Tx.

PARQ. Pt elects Intentional Replant.
Treatment:

8/15/12 Intentional Replant #31
Topical anesthetic. Administer 72mg lidocaine 36ug epi. (IA, L, LB),
72mg Septocaine with 18ug epi. (Buccal Local. Infilt) and 9mg marcaine
18ug epi. (IA & B loc. infilt). No adverse Rxn.
CHX rinse for 1 min. Administer 600mg Ibuprofen with water.
Extract #31 with 151 forceps without elevation. Tooth removed intact
with interradicular bone remaining between roots. No obturation
material extruded from the tooth seen. Resect apical 3mm. Stain with
Methylene blue. No fractures noted. Retroprep M & D roots with 1/2
round bur. Retrofill with MTA. Root kept moist with sterile saline.
Dexamethasone dripped on tooth prior to reimplantation. Socket
suctioned out from the level of the alveolus. Tooth snapped back into
place. POIG.
Rec. 600mg Ibuprofen Q6H for the next couple days.
Pt declined Rx for additional pain medication.
NV: 1 wk post op.

11/26/12 Post-op evaluation #31
Pt reports he has been unable to come in earlier due to his being out of
town for his job.
S: RMH: no changes. CC: none. Pain: 0/10
O: BP: 125/84 P: 68
Extra Oral Eval: WNL, No signs of lymphadenopathy or asymmetry.
Intra Oral Eval: WNL. No signs of swelling or sinus tract.
Teeth Tested: 27-31
Percussion: WNL
Palpation: WNL
Probing: no probing
Mobility: WNL
Cold: WNL except NR #31
Radiographic Findings: #31 appears to have increase bone fill at the
apices.
A: 31 - Previously Treated & Replanted with Healing Periapical Tissues
#31 Pre-op PA: 8/15/12

Prognosis: Favorable.
Radiographs:

#31 Post-op film: 8/15/12

#31 Post-op film at Recall: 11/26/12