

27th September 2023

Re: Mr XXX

Further to Irene's email of 21st of July 2023, I have now carried out endodontic treatment of XXX's UL1. The buccal sinus had persisted, although on the day of treatment it was closed.

Treatment was carried out in two phases. Palatal access into the pulp chamber confirmed necrosis and contamination with pus released. The canal was cleaned and prepared with enhanced disinfection carried out using laser assisted irrigation. Pulsed laser energy producing cavitation and shockwaves through the irrigants push them into the canal complexities. Access was temporarily sealed and a Submarginal Leubke - Obschenbein flap was retracted revealing the bony dehiscence around the resorbed root apex. Granulation tissue was curetted away and the damaged root apex was resected off and removed.

The resected root end was cleaned and sterilised using a diamond ultrasonic retro-tip, hypochlorite, and a diode laser. A retro-seal of bioceramic putty was placed. The temporary seal from the access cavity was then removed and the coronal and middle sections of the canal were obturated with warm injectable GP and a bioceramic sealer.

The flap was replaced using four dissolvable sutures. A bleaching gel was placed into the access cavity and covered with a temporary seal of IRM.

The radiographic result appeared satisfactory, and I would be optimistic of a good result. The loss of 5-6mm of the root apex is obviously not ideal, but that should not have a disastrous effect on the long-term sustainability of this tooth.

I will check soft tissue healing and the result of the internal bleaching shortly and follow-up with radiographic review in nine months to 1 year.

I will keep you updated with the result of our review.

Many thanks again for this kind referral and the opportunity to work with you.

Best wishes,

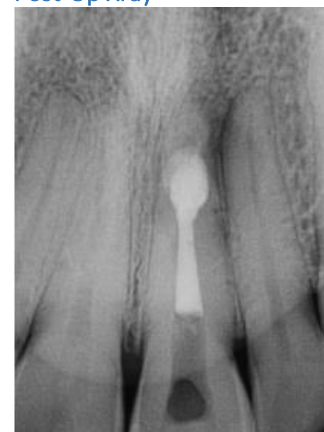


Richard S. Kahan
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Clinical Images



Post-Op Xray



Treatment Grid

UL1

CANAL OBSERVATIONS

Pulp Status

| | |
|----------------|----------|
| UL1\Singleroot | Necrotic |
|----------------|----------|

CANAL PREPARATION

| | EAL 'O' Length (mm) | Ref | Files to 'O' reading | MAF |
|----------------|---------------------|-----|----------------------|-----|
| UL1\Singleroot | 21 | IE | #10 | #70 |

OBTURATION

| | Canal Dry | Sealer | Techniques | Notes |
|----------------|-----------|----------|--------------|--|
| UL1\Singleroot | Yes | BC paste | Obtura alone | Totalfill putty plug while apicectomy, Sendoseal used. |