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Dr. Beena Rani Goel

Case History

A 23 year old female patient came to get the root canal treatment completed for the lower left incisor tooth. She told the root canal treatment was started a year back by another Dentist and after two, three appointments she didn't go. She gave the history of recurrent swelling, which used to subside with antibiotics. At the time of presentation, there was no swelling. On examination, there was a temporary restoration on 31. There was no tenderness.

Radiographic Evaluation For The Treatment

The radiograph (Fig. 1) showed large periapical radiolucency in relation to the 31, which was extending to the root tips of 41 and 32 (they gave positive response to cold test). The 31 root canal had been prepared very wide in the coronal and middle third.



Treatment Procedure

On removal of the temporary restoration, the canal was found moist, but no excess exudate. The working length was determined with **Root ZX. R3 of iRace** was used to clean the canal walls in the coronal and

middle thirds, and **LightSpeed LSX** for the apical preparation. **Endovac** irrigation was done and the obturation done with # 70 **SimpliFill** (Fig 2). Remaining space was left for post.



Patient Review

The patient was asymptomatic following the treatment.

Why I chose LSX and SimpliFill ?

This was a long standing case with large periapical radiolucency. Biologically optimal apical preparation is very crucial for healing, which dictates the use of **LSX**. Obturation with **SimpliFill** makes the post and core restoration easy and fast.

How Will You Solve This Case ?

Get back to us with your reviews and queries. We will be publishing a few of the same in a future issues of Famdent with answers from the International Academy for Rotary Endodontics- USA.

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