



Hardness Testing in Root Canal with Extreme Curvature

DIAGNOSIS

- Patient with pain in tooth 26 and deep distal carious defect.

CHALLENGE

- Preparation of a strongly curved canal profile with curvature of nearly 90 degrees.

TREATMENT

- Opening of the pulp.
- Preparation with the universal EDM file in ISO size 25.
- Apical enlargement with a 40/.04 file and 50/.04 palatal.
- Obturation with gutta percha and GuttaFlow 2.



„In this case, the filigree endo-instruments could clearly demonstrate their true break-proof qualities. It was possible to clean the canal in only a few minutes. Even in such extremely curved root canals, no additional equipment was necessary and the preparation could be performed using standard instruments and without greater risk.”

Dr. Thomas Rieger

USER BENEFITS

- **Safe and efficient preparation of strongly curved roots canals**
 - Due to the innovative manufacturing process HyFlex EDM NiTi files have a controlled memory and are extremely flexible and fracture resistant.
- **Fast and reliable results using a reduced number of files**
 - Preparation with just one universal EDM file in ISO size 25 is totally sufficient.
- **Safe operation due to centered canal preparation**
 - Controlled memory effect, allowing optimal preparation in the center of the canal.

CONCLUSION

HyFlex EDM Files are ideally suited for simple and efficient preparation of strongly curved root canals with a reduced number of files. The EDM manufacturing process produces files that are extremely fracture resistant and flexible. Due to the controlled memory effect, HyFlex Files are pre-bendable and do not bounce back.



Dr. Thomas Rieger

Pre-op



HyFlex EDM Onefile 25/~



Dr. Thomas Rieger

Situation after root canal filling