



## Shaping of an abrupt Canal Curvature in a Distal Molar

### DIAGNOSIS

- Patient presented with necrotic pulp and symptomatic apical periodontitis of tooth #18 (Universal Numbering System).

### CHALLENGE

- Limited opening and limited space for instrumentation due to very distal position of the tooth.
- Root canals highly curved with sudden sharp dilacerations.

### TREATMENT

- Preparation with pre-bent HyFlex EDM file sequence.
- After hand filing to a size 15, the 10/.05 glide path file was used, followed by EDM OneFile 25.
- Further preparation of the distal canals with a HyFlex EDM 40/.04 finishing file and finishing of the abruptly curved mesial canals with a HyFlex CM 35/.04.



HyFlex EDM Glide Path File 10/.05



Dr. Sam Alborz

Pre-op



Dr. Sam Alborz

Post-op



„Thanks to these flexible, fracture resistant files we were able to shape the canals very efficiently. Without pre-bendable NiTi files, we would probably have been unable to perform root canal treatment on this tooth.“

Dr. Sam Alborz

### USER BENEFITS

- **Fast, safe and efficient shaping of root canals despite abrupt curvature**
  - Due to the innovative manufacturing process Hyflex EDM files are extremely flexible and fracture resistant.
- **Comfortable treatment of hard to reach distal teeth**
  - HyFlex EDM files can be pre-bent similar to stainless steel hand files.

### CONCLUSION

The HyFlex EDM file sequence is ideally suitable for safe and efficient preparation of hard to reach distal molars with abrupt canal curvatures. Due to the EDM manufacturing process, HyFlex files are extremely flexible and fracture resistant.