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Report on Apex-NRG Locator
New assessment after further testing

The Apex-NRG-locator has been tested in vivo on patients by four independent investigators, on vital and necrotic teeth, and compared in some cases with the Root ZX (Morita) and the AFA (Analytic).

Length measurement was taken initially at the beginning of the endodontic treatment and the working length was confirmed at the completion of the shaping procedure and compared with an X-ray

General comments

On the whole, the device has showed good accuracy and compared well with other devices. Like others units, excess of irrigant must be suctioned from the pulp chamber to avoid the occurrence of a liquid bridge between canal orifices. All measurements were short of the radiographic apex when the red light turns on. To get stable and consistent readings, a tight contact between the file and the canal walls is needed.

For practitioners looking for canal patency and shaping from the root canal terminus (R.T.) i:e from the foramen level, it is easy to notice this landmark when the red light starts to flash. It is advised to repeat this procedure twice or three times to precisely confirm the exact moment of the flashing.

Benefits

Thank to its small size, the apex locator is very handy, convenient to use and permanently ready to work. Because it can be clipped anywhere at a very short distance from the oral cavity, it greatly reduces operator movements and fatigue.