

ENDOx®: Effective, Quick and Safe

Total elimination of bacteria in seconds

- Certainty of eliminating bacteria.
- Safer results for endo and re-endo.
- Easy to use.
- Total elimination of the pulp.
- Quick: works in just a few seconds.
- Single appointment endo.

Endox® puts an end to long instrumentation sessions for the patient and eliminates complications caused by bacterial proliferation.

A true advance in endodontics. From now on, with Endox®, all you need to do is to place an electrode into the dental canal and press the pedal, which emits a high frequency electrical impulse leaving the dental pulp vaporised. Simultaneously it produces immediate remission of pain and greatly reduces the bacterial load within the canal. This means less time for the dentist and the patient benefits from a shorter session. The fulguration* of the root canal means that, depending on the width of the canal, the dentist can immediately obturate. In those cases when the canal is too narrow, the canal can be instrumented until wide enough to accept the Endox filament. This results in a major conservation of dentine and therefore a more robust tooth, with a better capacity for supporting prosthesis.

Elimination of the pulp. Thanks to the principle employed by Endox®, the pulp is eliminated leaving the canal without residue and providing an internal surface free from dentinal debris. This means the canal is ideally suited to receive the obturation material and the possibility of re-infection is greatly reduced. The action of the Endox® (fulguration) is an electromagnetic pulse, which penetrates the secondary (lateral) canals in order to achieve total elimination of bacteria.

Reduction of the bacterial load. In Vitro tests carried out by the Universities of Munich, Milan and Pavia showed that the reduction of the bacterial load is at least double that obtained with traditional methods.

Free from the risks of manual instruments: Endox® eliminates the risks that occur using traditional preparation methods, such as the possibility of creating false canals, ledges, and transportation. Also with manual instrumentation, one has to accept the impossibility of totally eliminating the pulp in the principal and lateral canals or those canals which are particularly tortuous. Endox® is also more effective in avoiding blockages and the possibility of bacterial contamination from the oral cavity.

* Destruction of tissue by means of high voltage electrical discharges.

Up to 80% reduction in treatment time. Endox® has shown an enormous reduction in treatment time. Once the canals are sufficiently viable, introduce the appropriate filament and by simply pressing the foot pedal one is able to eliminate the pulp and sterilise the canal, thus preparing them for obturation. There is nothing neither simpler nor quicker. Thanks to the enormous reduction in treatment time, the ease of use and a very competitive cost, within a few weeks Endox® will prove to be a profitable and effective investment.

Maximum precision. Endox® includes a sophisticated apex locator with visual and audible readings (the display shows millimetres and tenths of a millimetre). Investigations have shown, the Endox® apex locator is as accurate as 2nd generation apex locators.

Instant cauterisation of the pulp. The method which Endox® utilises produces instant cauterisation of the tissue with which it comes into contact, therefore avoiding the possibility of haemorrhaging.

Reduction of the risks of cross contamination. Unlike manual procedures there is no prolonged contact with blood during an Endox® procedure.

Particularly useful in the treatments of granulomas because of its anti bacterial action. No patient treated with Endox® during studies has returned complaining of pain in relation to the endodontic treatment. The high frequency antibacterial method has contributed to the resolution of a granuloma in a reduced amount of time.

Safeguards the surrounding structures. The studies carried out at Universities and laboratories and their histological results have confirmed that the Endox® method does not damage those structures adjacent to the radicular canal such as the hard tissues and periodontium.

Extreme precision during treatment - Thanks to the incorporated measurement system of apical distance, Endox® assures maximum precision.

Reduction in X-ray exposure. It is not necessary to rely on radiographs to establish the exact measurement of the apical distance. Endox® works with precision thanks to its in-built apex locator, therefore making endodontics possible in those cases where it is inadvisable to expose the patient to an x-ray. Nevertheless one should consider that the apex location facility should always be used as a subsidiary to the radiological measurement rather than a substitute whenever possible.

Thanks to its simplicity and speed Endox® guarantees exceptional results and a notable reduction in treatment times, facilitating difficult endodontic practice, especially in those teeth (molars and wisdom teeth) that due to their position require much skill and manual dexterity, not to mention numerous sessions.

Absolute security thanks to its system of disconnection to prevent exceeding the apex, Endox® always operates inside the canal, and never once has it exceeded the apex.

Confidence

As with all DPS products full training is included.

Finally you can be totally confident of using Endox® as it has been used on tens of thousands of cases during the last 6 years with no contra indications in the results.

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