Vibringe: The next level of endodontic hand irrigation

Vibringe is the first endodontic irrigation device that enables easy and safe manual delivery and activation of the irrigation solution in only one step. A patented microprocessor inside the handpiece delivers precisely tuned sonic energy to the irrigation solution to be injected in the root canal. The sonic flow within the solution enriches and completes the irrigation procedure, improving the success rate of the conventional irrigation procedure and, therefore, the endodontic treatment. Initial user studies have shown that more than 80 per cent are convinced of the product’s benefits.

Conventional irrigation techniques may seem easy, but they are hindered by a lack of visibility and the always complex and unique root canal structure, which makes the outcome of endodontic treatments less predictable. The average endodontic failure rate is still over 40 per cent and, in 50 per cent of these cases, the failure is caused by poor irrigation.

The Vibringe can be used for all endodontic irrigation procedures and is compatible with all the irrigation solutions available on the market. When used correctly with endodontic needles (side-end opening), it can also prevent solution and debris being expressed through the peri-apical foramen.

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With its aesthetic appeal and an LED light for patient comfort, the lightweight and cordless design makes the Vibringe a handy device for the endodontic practice. The sonic flow technology ensures that air and debris blockages are removed effectively, and aids the irrigation solution in reaching and disinfecting all portions of the canal to the apex. Owing to the downward and upward motion of the irrigation solution, tissue residues and debris in the finest lateral canals and tubules are loosened and transported out of the canal.