Ultrasonics in Endodontics

Prof Liviu Steier tests the NSK Varios 970 ultrasonic device to use in endodontics

The new Varios 970 NSK fits into the group of ultrasonic devices that can be operated independently without connection to pre-existing water lines. This device has a dual purpose if the user prefers to use the connection.

The device

The basic part is the control unit, packed into a white plastic rectangular box with black interior sides. A black handpiece holder is mounted on the right side, behind the power switch. Two knobs are attached to the left side: the tap-water adjustment, and bottle-water adjustment. At the rear, the unit has the foot switch, AC power cord connection and tap-water connector. The black operational panel and display are set in the front of the unit with blue LEDs. The handpiece connector is located on the left side just below the display. The two bottles can be connected to the unit in the rear part on the upper side of the box via bottle base connectors.

Three different action modes are available: perio, endo and general. They should be selected using the touchpad keys on the display. Once a modus is chosen, the power can be individually adjusted. The lower part of the display will show on the left a numerical display, and to the right side a bar graph indicator. The right side of the display shows the selected irrigation mode, and on the left, the selected bottle.

Range of power

The power range is set to allow action levels between 40 to 100 per cent for general use, 20 to 50 per cent for endodontics and 5-55 per cent for periodontics. Of course these are only suggestions by the manufacturer and may be altered. The selected power range will be shown as a numerical display, as well as a bar graph. To change this we will need to press the touchpad power level keys located above the selected bottle.

A variety of options from the Varios 970

NSK offers a wide choice of Varios ultrasonic scaler tips for clinical applications.

For more information and to see the whole range of scaler tips visit
www.myvarios.co.uk

For full details visit www.bsdt.org.uk

Rent or Buy

Varios 970 LUX for only
£74.24 + VAT per month

NSK life time is the most advanced and popular ultrasonic device on the market and now these deals of the end products are available for the first time on a rental basis, allowing you to use the very latest equipment for a low fixed monthly rate.

The Varios 970 kit comes complete with:
- Twin LED headpiece delivering shadow-free illumination
- Supplied with 3 tips 3 wrenches and an autoclavable container
- 2nd solution container allows easy exchange of irrigants
- 3 power ranges - Perio, Endo and General
- Also available as a built-in unit - Varios 170

For more information call NSK on 0800 6341909

For full details visit www.bsdt.org.uk

The new Varios 970 NSK can be used for these treatments, simply by exchanging the tip and with a choice of over 70 tips, there is one for every procedure.

The Varios 970 from NSK, can be used for these treatments, simply by exchanging the tip and with a choice of over 70 tips, there is one for every procedure.

— Bob McEllard, St Ann’s Dental, Manchester

“Using the Varios gives one the ability to achieve a more precise cavity preparation and margin refinement. The diamond coated tips are much smaller and more refined than conventional burs and it is the ideal tool for minimally invasive dentistry. The use of the single sided tips during interproximal preparation prevents damage to adjacent teeth.”

Bob McEllard, St Ann’s Dental, Manchester

— Basil Mizrahi, www.basilmizrahi.co.uk

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If you’re considering converting to private practice but are unsure about how to proceed, come and join Practice Plan and our special guest, Chris Barrow for a two hour evening seminar dedicated to giving you practical and simple advice on how to make a seamless and successful conversion.

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Gayna Horridge
Calden Dental Care Centre

The Varios 970 can be used in Endodontics for coronal access shaping, for removal of posts, fractured instruments, energising irrigants in the canal, and even condensation of the obturation. Having two independently bottled solutions, this allows for direct irrigation and energising of the last one-speeding up the chemical disinfection process.

The result

The ultrasonic unit is extremely powerful and satisfies any requirements. The different power settings and the extremely wide variety of offered tips make the Varios 970 suitable not only for endodontics, but also for periodontology as well as restorative.

The manufacturer also offers a variety of retrograde tips for surgical endodontics.

To conclude, either using the device connected to the water line or independently, the self-cleaning programme will ensure that optional biofilm formation can be avoided.

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