Ultrasonics in Endodontics

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

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tifilm disruption, debridement and hard-tissue preparation can be successfully performed using ultrasonics. Ultrasonic preparation is proven to help allow for a more minimally invasive approach. Endodontists, periodontists and general practitioners value ultrasonics for their precise application.

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 tapping-water adjustment, and bottle-water adjustment. At the rear, the unit has the footswitch, 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.

The handpiece can be easily attached and detached from the handpiece cord, and might also benefit from fibre-optics if desired. The handpiece is stored in a sterilisation case together with the sterilisation case together with the bottle-water adjustment. At the rear part of 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 at the right side a bargraph 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.

A variety of options from the Varios 970

Ultrasonic scalers provide a patient friendly and efficient way to meet the challenges of peri-implant, periodontal and minimal intervention treatment techniques.

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.

“The Varios 970 offers me the scope of greater control of power and greater flexibility of use. The tips are excellent in shape and form and the tactile feel from the handpiece is as good as I have used. It has been difficult to keep the unit in my surgery, my hygienist uses it on all our implant patients, using the specifically designed tips which are great for accessing the difficult tissue behind implant restorations. Overall I am extremely happy to recommend this product to any of my colleagues but beware, like our practice, I think you may need to buy more than one!”

Basil Mizrahi, www.basilmizrahi.co.uk

• 5 power ranges – Perio, Endo and General
• Also available as a built-in unit – Varios 170

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

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

Rent or Buy

Varios 970 LUX for only £74.24 + VAT per month

NSK are sponsoring sessions and workshops at ISDH on 2nd & 3rd July.

www.myvarios.co.uk

www.nsk-uk.com

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Gayna Heridge
Cahill Dental Care Centre

**The ‘How to make a SUCCESSFUL CONVERSION to private practice’ Event**

**‘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’**