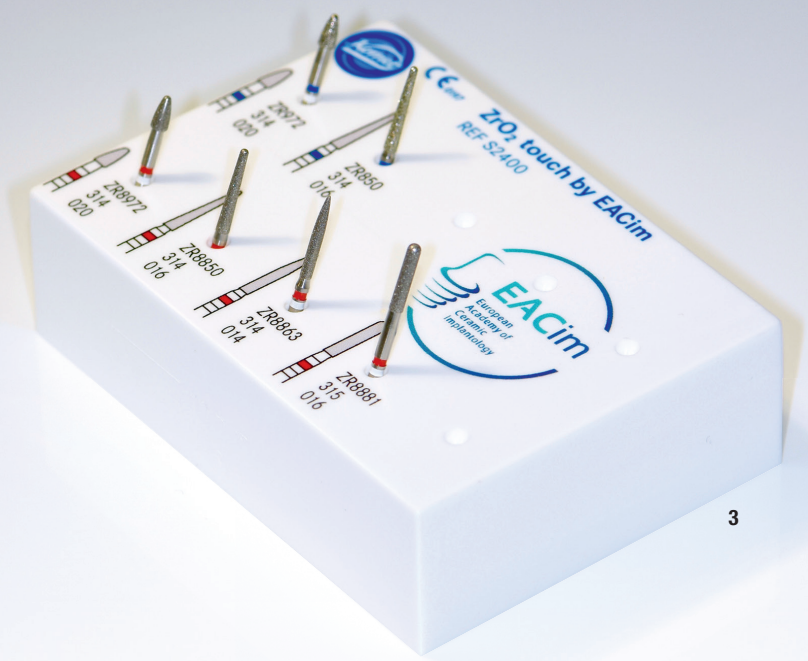

New ZrO_2 touch by EACim bur kit

Designed by EACim for EACim members

Dr Philippe Duchatelard, France

Zirconia is the hardest material used to make dental implants. Its 3D positioning when used in its monobloc form determines prosthetic success without impinging on biological requirements. It is common to have a vestibular edge of the shoulder corrected in order to avoid over-burial and follow the mucosal margin for aesthetics or a vestibular edge of the abutment to respect a more palatal or lingual insertion axis and spare the vestibular bone wall. These corrections must be limited in volume and time in order to avoid permanent damage to the zirconia and jeopardising of its mechanical strength by hindering crystallographic healing.

The new S2400 ZrO_2 touch by EACim bur kit from Komet, the leading manufacturer of dental burs, offers white-ringed burs specifically designed for working on all-ceramic restorations. The coating is made with a diamond grain concentration of more than 80% compared with conventional burs with a reinforced binder. This allows zirconia to be machined without generating sparks, reducing the formation of cracks or intergranular fissures to a minimum and optimising the cutting performance as a result. Users can choose between two types of granulometry: red (fine crystals of 46µ in size) and blue (medium crystals of 126µ in size). The bur with the red ring comes in four different shapes designed with a view to the usual clinical situations of retouching. Since the red-ringed burs will be used in the great majority of cases, they compose the first line of the kit. Technically, it is preferable to alternate between grit sizes to control the thickness of the corrections, given the performance of these burs and to avoid overheating. The kit includes two polishing options in both grit sizes, which allows the user to achieve a perfectly polished surface finish. It is recommended that the user works with the burs of the new kit at the optimal speed of 160,000 rpm, with low contact pressure (< 2 N) and under maximum spray coolant (minimum of 50 ml/min). There is no silicone polisher, in order to avoid any swarf pollution of the mucosa.

The photographs above show the ZR8863 (Fig. 1) and the ZR8972 (Fig. 2) burs in clinical application. The complete bur kit (Fig. 3) made by Komet is exclusively available to EACim members only.

contact

European Academy of Ceramic Implantology (EACim)
65 avenue du Prado
13006 Marseille
France
www.eacim-ceramic-implantology.com

CLOSE TO NATURE

ZIRCONIA IMPLANTS

TAVDental
PRECISION. PASSION. PARTNERSHIP

www.tavdental.com