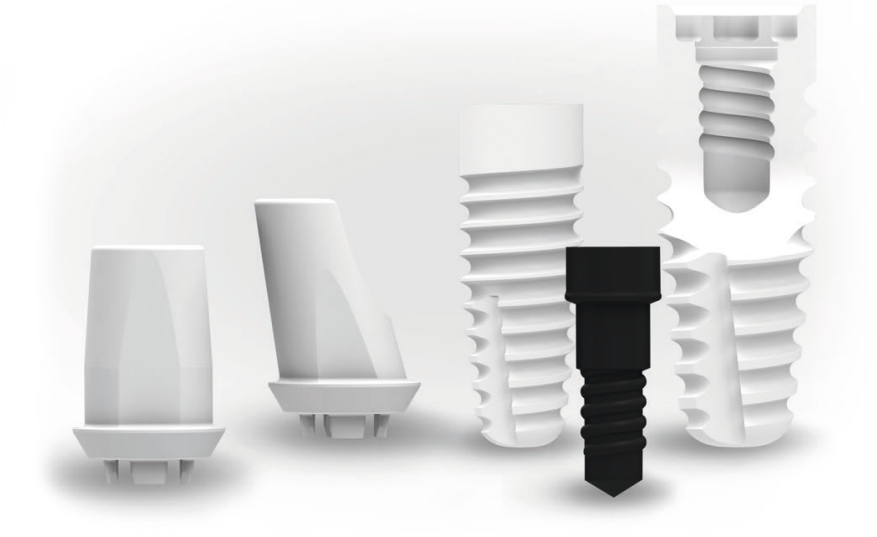
IndividualAbutments at its finest

always surprises me
Wolfgang Weisser did it



1Zeramex XT

Implantology is now an integral part of dental practices and dental laboratories. I find the two-part ceramic implant with a carbon peek screw from Zeramex (Ab.**1**). In my opinion, every implant placed should be provided with an individual abutment in order to guarantee the important emergence profile and thus create an optimal position of the cementation joint.

The main feature of an individual abutment is the adjustment of the required profile diameter of the prosthetics as well as the step at the level of the gingival margin.

A dreaded problem is the so-called cementite, which can arise when the products stick together.

on ground teeth or ments 3 to 6 millimeters sub-

al has been done and these cannot be removed afterwards without leaving any residue.

Soft tissue profile of an individual

Abutments should ideally be preformed with an individual gingiva. Before screwing, it is extremely important to place the butment on the implant plate until the counter pressure from the gingiva decreases in order to be able to screw in the Vicarbo screw. The abutment is expressly not screwed onto the implant with the Vicarbo screw while simultaneously displacing the gingiva, but is screwed in after placement. After checking all parameters, the XT Vicarbo screw is reversibly fixed with a torque of between 20 and 25 Ncm (Fig.**3**). This can now be easily solved in dental technology, and the dentist does not have to worry about fixing it.

Until now, it was possible to work with standard abutments - a procedure that I consider questionable for the reasons mentioned. Alternatives were individual abutments that are glued or soldered.

These abutments were made of lithium disilicate or zirconium. But it hasn't been possible yet

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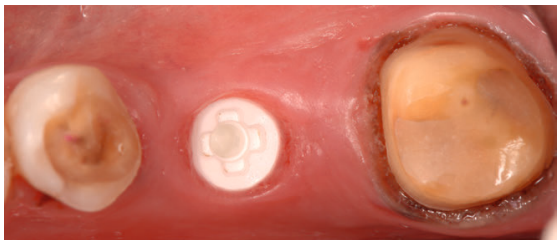
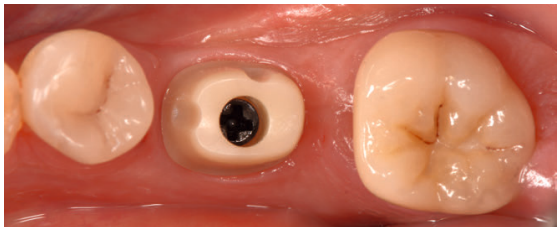
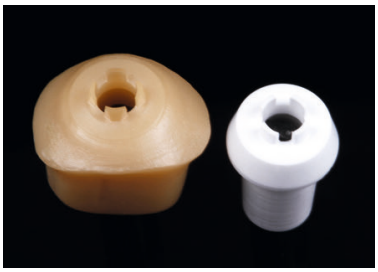


2Advertised XT implant



3Perfect abutment



4and**5**Abutment comparison

6Final reconstruction, all ceramic

to produce a monolithic, high-strength abutment from one piece. This is exactly what Zeramex has achieved with Digital Solutions. After insertion of the implant (Fig.**2**) is taken (this can also be done digitally), the master model is made and the final situation is sent in. The previously created wax-up is absolutely necessary in order to precisely plan the external shape and achieve a correct tooth shape.

After the custom abutment is designed, the STL data is transferred to Zeramex Digital Solutions Switzerland sent. There you mill the desired monolithic abutment made of high-strength ceramic using special milling machines and send it back.

The big difference can be seen very clearly in the picture (Fig.**4** and**5**).

This enables the perfect emergence profile that corresponds to the correct anatomical shape for cleaning. This avoids holes and niches and prevents the formation of odors in the oral cavity, thereby ensuring long-term clinical success (Fig.**3**and**6**). S