

PRESS RELEASE | DENSPLY FRIADENT

XiVE®: Implantology Unlimited – in any situation

The implant system for the greatest possible prosthetic and surgical flexibility.

Mannheim, April 1, 2008 – **XiVE® offers exactly this for the user: the smallest gaps or an edentulous, atrophied jaw, hard or soft bone, single session or two sessions, immediate or late loading, the range of treatment options leaves the decision up to the implantologist. And with the prosthetic flexibility of the system, which is appreciated by dental technicians all over the world, the implantologist has a simple, practical solution for every problem.**

A special feature of the system is the superior primary stability in all classes of bone. It is the result of the interplay of the patented, innovative thread design and the surgical preparation technique and it allows the implantologist to plan the success of the procedure. XiVE® was introduced in 2003 and is now available in more than 40 countries.

XiVE® – comprehensive implant selection for all cases

XiVE® implants are available in five different diameters and six lengths, which makes them the right solution even for unusual jaw anatomy. Depending on the case, the implantologist can also select subgingival XiVE® S or transgingival XiVE® TG implants. The unified endosseous implant design even allows the decision to be made during the operation.

This means that the implantologist elects a system that is not only ideal for the anatomy of the patient but also ideal for the bone quality. XiVE® 3.0, one of the smallest two-component implant solutions in the world, can be used to close even the smallest gaps in the front tooth region.

Primary stability where others meet their limits

Primary stability is an important factor in every implant placement. With XiVE[®] the implantologist can fully rely on the primary stability even where the bone structure is unfavorable. The bone-specific preparation protocol establishes the basis for excellent primary stability in all bone qualities during preparation of the implant site. The condensing implant design of XiVE[®] also contributes to the primary stability, because during the bone-specific preparation the extended crestal component of the implant condenses the peri-implant bone atraumatically during the screwing-in process.

This ensures optimum retention in reduced or soft bone quality along with the best prerequisites for optimum healing and early loading of the implant. The clinically proven growth-activating FRIADENT[®] plus surface also promotes safe and stable healing in the bone, because the sandblasted and etched three-dimensional surface structure of the implant promotes deposition of bone-forming cells on the implant and after a short time it forms a homogenous bond with the surrounding bone.

This also promotes bone formation and offers a predictable treatment result even in a difficult initial clinical situation.

Flexible treatment protocol – freedom for therapeutic decisions

The flexible XiVE[®] treatment protocol allows the user to select a single session or two-session protocol with the same endosseous preparation and therefore without requiring additional instruments and also during the operation. The system also makes it easy to decide in favor of immediate or late implant placement with or without immediate restoration with the system-independent TempBase solution, which provides seating instrument, impression coping and crown base simultaneously.

This means that the XiVE[®] treatment protocol also offers the freedom to select the therapy that you want.

Prosthetic versatility

The XiVE[®] prosthetic system is as versatile and as individual as the challenges and patient wishes that confront an implantologist every day. Whether crown, fixed bridge or removable denture – the prefabricated components from Standard to Premium allow the greatest possible freedom of treatment. If the implant is not optimally placed during surgery, the dental technician can still achieve optimum esthetics with the XiVE[®] AuroBase. A perfect result can be achieved in every case with FRIADENT[®] EstheticBase and CERCON[®] as customized abutments – regardless of the initial situation.

And the special TempBase concept allows an immediate restoration with a high-quality provisional denture in many cases. Under favorable conditions even immediate loading is possible. XiVE[®] S above all offers a genuine advantage here: TempBase is premounted as a seating coping in this range of implants. The TempBase is the base – the provisional abutment – on which the temporary restoration is placed. The implant can be placed and restored with a provisional denture at the same time in one single session.

The non-functional immediate restoration makes the second surgical procedure for uncovering unnecessary. With covered healing the index registration can be done immediately after implant placement.

During the healing period the laboratory can fabricate an accurately fitted provisional restoration with this impression, which can be delivered after uncovering of the implant. The TempBase even gives the implantologists the option of fabricating an immediately loaded provisional restoration on splinted XiVE[®] S implants under favorable conditions.

This procedure allows effective bone training right from the start with the favorable properties offered by the primary stability of XiVE[®]. Studies have confirmed that osseointegration is promoted by controlled loading of the implant immediately after placement. The direct intelligent integration of the provisional restoration during implant placement or at implant uncovering provides optimum support of the

biological regeneration potential of the soft tissue. Even if the hard tissue or soft tissue is affected, a well-formed gingival contour can be achieved with XiVE®.

Further information on the XiVE® implant system from DENTSPLY Friadent is available at <http://xive.dentsply-friadent.com>

DENTSPLY Friadent company portrait

DENTSPLY Friadent is the implant division of the American company DENTSPLY International, the world leader in the dental industry with over 9,000 employees in total. At its company headquarters in Mannheim, Germany, the implant specialist employs a staff of around 450 and is one of the most innovative and leading companies in its industry. The company is represented around the world with its own subsidiaries, DENTSPLY sister companies and dealers.

The functionally and esthetically sophisticated implant-based dental solutions allow people a self-confident and natural smile. With its brand implant systems ANKYLOS[®], XiVE[®] and FRIALIT[®], as well as its FRIOS[®] line of surgical instruments and bone replacement materials, DENTSPLY Friadent offers a comprehensive portfolio of dental prosthetic solutions with excellent clinical results. Alongside the strong product brands, the successful product range is rounded off with innovative technologies, such as computer-aided implantation with ExpertEase[™], the surface technology FRIADENT[®] plus or zirconia technology CERCON[®] in association with the world market leader DENTSPLY, and a practice marketing and practice management program tailored to practices offering implantology under the *stepps*[®] service brand.

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