

Special printing: Colleague tip from Dr. Klaus Schuette



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## Holistic Biological Treatment With Ceramic Implants

***The whole person is the focus of the treatment in Dr. Klaus Schuette's practice in Hamburg-Bramfeld--not just his teeth. He has worked for over 20 years with a strictly biological method using a holistic treatment concept. He was delighted in 2005 to find an alternative to titanium with the new introduction of Z-Systems' ceramic implant. He is a convinced user ever since then.***

Metal-free restorations belong to his concept of holistic-biological tooth treatment. Even beforehand, his observations with bioenergy procedures, such as EAV (electro-acupuncture as per Voll), bioresonance and physical therapy are reflected in recent studies of environmental medicine: metal in the mouth can cause electrogalvanism, corrosion and not least resonance effects with electrosmog. A recent study from the German Association for Environmental Medicine showed that about one-third of patients had more or less severe immunological reactions to titanium particles. This includes intolerability reactions to components of alloys. For this reason, Dr. Schütte primarily does restorations without the use of metal.

### Product benefits were convincing

Z-Systems has been producing zirconium dioxide implants since 2005. On-going development has made the product safe and user-friendly. The new Zirkolith® has further improved the material.. The two-piece system has just been approved by the FDA. In addition, Z-Systems expressly allows grinding the implants after they are set, which most suppliers do not allow. Dr. Schuette sees this as a great benefit, as the pillars set can be best prepared, such as is needed for replacement teeth.

Ceramic implants from other suppliers were also tried in his Hamburg practice over the years. Lately, Dr. Schuette has come back to Z-Systems, as the benefits of this system were convincing. The implants are appropriate for all indication areas, from single tooth treatment to freeing situations to toothless jaws. It's important that the generally strict criteria to which all implants are subject are adhered to. This particularly applies to the status of the "patient" biological system, and patient compliance, especially in regards to the healing phase with one-piece implants.



Single tooth care in the side tooth area.

Dr. Schuette still has a conventional titanium core system in his practice for welfare medicine applications. Their surfaces are completely coated with ceramics; that is, even the internal threads and abutment, so that at least foreign body reactions and corrosion are prevented.

## The biological concept is well-accepted

"In my general dental practice which uses implantology to support prosthetics, I have placed about 300 ceramic implants since 2005. Half of them are Z-Systems products and a product in Z-Systems Design. The results were mostly very good. The patients who are often sent by naturopaths or doctors who work in a biological manner were thankful, as they wanted implants that were as biotolerated as possible, and some had already had titanium implants which had to be explanted," says Dr. Schuette.

## Holistic view of implantology

Dr. Schuette mentioned: "This entire circus which has been produced around the treatment of peri-implantitis minimizes the importance of material tolerability testing, in my opinion. In addition to the bioenergetic tests I mentioned, there are laboratory investigations which clearly prove whether materials--at least on the immunological level – are tolerated. These are primarily the titanium simulation test for titanium and the LTT (lymphocyte transformation test) with metals. According to leading immunologist, there is no biotolerable material for dental practice other than zirconium dioxide for ceramic implants. That is a significant criterion of success for ceramic implantology. Aesthetic effects can be added, as one sees no metal frame, and the tooth color of the sometimes very translucent ceramic crowns look better. Also, from a clinical point of view, the gums adapt well without inflammation, which points to outstanding tissue tolerance. Finally, the application procedure with ceramic implants is nearly the same as with titanium."

The Hamburg dentist had the impression that titanium implants had small faults or or permeabilities in the preparation due to healing-friendly surfaces. This opinion has changed in favor of ceramic implants due to improved surfaces and designs as well as greater user friendliness. Good preparation is generally important in implantology. It is particularly important that the local implantation area is free of disruption - free of remnants (NICO), loci appearance, foreign bodies, toxins, heavy metal stresses from previous treatments such as amalgam on root-treated teeth, and which has been analyzed with DVT or preferably CT images.



*Ceramic implants in front.*

The patient's ability to regulate must be good, that is organ and metabolic functions should provide sufficiently good healing capability with relevant good osteogenetic potency of the bones. Dr. Schuette has also had positive experience with the use of growth-promoting procedures (PRGF). One should also consider CMD aspects, especially with prosthetic treatments. Last but not least, the patient must collaborate and be responsible for wearing guardrails or interim prostheses during the healing phase for one-piece implants.

## Service and Support

Dr. Schuette is also please with Z-Systems' service and support. His support includes regular visits by sales representatives, hands-on courses and lectures. Studies, research results and literature can be requested at any time from the Marketing and Sales office. Also, the material is delivered very quickly.