

BIOLOGICAL DENTISTRY Step by step towards better health









Inhaltsverzeichnis

THE FOUNDERS
Specialists in biological dentistry and ceramic implants
THE CENTER
Biological dentistry - The mouth as a mirror for overall health
BIOLOGICAL DENTISTRY
We support you in your general well being and in feeling better overallS. 7
INTERFERENCE FIELDS
Getting to the root cause of chronic diseasesS. 8
MERIDIAN SYSTEM
Overview for Self Analysis
ALL-IN-ONE-CONCEPT
Health begins in a healthy oral environmentS. 12
METAL REPLACEMENT
Consistently metal-free oral cavity
FDOK / NICO
The chronic inflammation of bones
FUNCTIONAL MEASURES
When the correct bite is missingS. 15
BIOLOGICAL AESTHETICS
Beautiful and healthy teeth for a lifetimeS. 17
CERAMIC IMPLANTS
The future of dental implantologyS. 18
THE IMPORTANCE OF VITAMIN D3
D-TOX - DETOXIFY AND PURIFY

The founders

Specialists for biological dentistry and ceramic implants



Dr. med. dent. Hans-Ulrich Prein

"For more than 20 years I have dedicated my professional passion to holistic dentistry. A dentistry that is not limited to the oral cavity, but focuses on the whole organism with all its complexity. For me, biological dentistry is the consistent further development of this view. Because it turns towards life. At the highest medical level. For more vitality and higher quality of life - for a lifetime!

Career

- 1987: Licence to practice as a dentist
- 1988: Doctorate in temporomandibular joint diseases
- 1990: Own practice
- 1992: Certified in use of ear acupuncture, liquid acupuncture and implant acupuncture
- 1996: Specialization in holistic dentistry
- 1999: Development of posturodontics & experience in the diagnosis and treatment of bite imbalances (BUG)
- 2017: Specialist for biological dentistry and ceramic implants (ISMI)
- 2018: Founding of the D-TOX Dental Center



Katrin Lechl

""As a dentist across the entire spectrum, it has always been my wish as a dentist to understand the human being in its entirety, to advise him comprehensively and to treat him at the highest level. After more than 20 years of experience I found the real reason why I studied dentistry in biological dentistry. Because biological dentistry gives us the chance to give back hope, joy of life and quality of life to our patients"."

Career:

- 1998: Licence to practice as dentist
- 2002: Own practice
- 2004: Specialization in all-ceramics and CEREC
- 2005: Activity focus implantology of the German Society for Dental Implants (DGZI)
- 2011: Journey Practitioner according to Brandon Bays
- 2017: Specialist in biological dentistry and ceramic implants (ISMI)
- 2018: Founding of the D-TOX Dental Center

Key aspects:	Key aspects:
Interference field diagnostics	Implantology
metal restoration and prosthetics	Surgery / Jaw bone inflammation
functional orthodontics	Interference field rehabilitation



Our vision is to give patients with high standards access to a top-level medicine that is leading in Germany and Europe: biological dentistry. It is our goal to eliminate all disturbing factors in the oral cavity consistently and step by step, which could stand in the way of the health of our patients - from a holistic perspective. Aesthetical, sophisticated and sustainable.

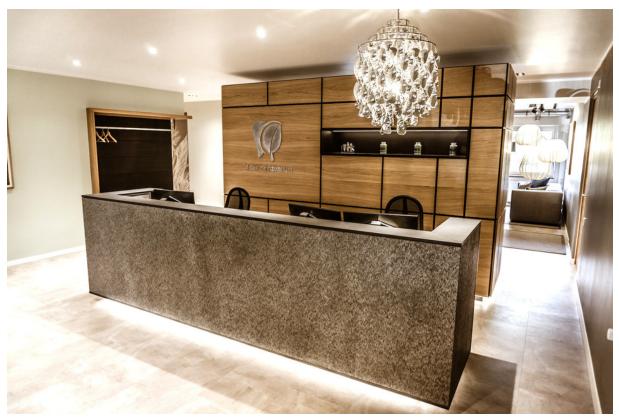
Therefore we offer our patients individually best chances to avoid diseases and to optimize their health. Fair. Intelligent. Responsible. Value-oriented. Performance-oriented. With the constant desire for further development and change.

"Only where nothing interferes, nature can unfold its full power."

The Center

Biological dentistry - The mouth as a mirror for overall health





The Center





Biological dentistry

We support you in feeling better overall

In biological dentistry we concentrate on recognizing the biological relationships in the body and on influencing them. Full vitality on all levels - that is our goal.

Biological dentistry versus holistic dentistry

In addition to the classical handicraft dentistry, biological dentistry also applies all natural and scientific basic rules. According to the motto: "The mouth as a mirror for health", the basic principles of chemistry, physics and biochemistry are examined more closely and a connection between the chronic inflammatory systemic diseases that are common today, is established.

Since the human body and its strong immune system can compensate relatively much and conventional medicine does not consider the body as an integrative system but much more in its individual parts, the connection between the oral cavity and symptoms elsewhere in the body is hardly ever established.

The mouth as a major construction site in the body

Most interference fields in the body are located in the oral cavity. In addition to the classic problems such as caries and periodontitis, there are metals, amalgam, dead teeth, hidden inflammations and many more.

In biological dentistry, we focus on the removal of these interference fields. By using only biocompatible materials, negative health effects can be completely excluded from the beginning. Furthermore, we consider each patient individually. For this reason, detailed tests are being performed to determine the compatibility of all substances (filling materials, adhesives, etc.), so that no risk is taken even in the case of highly sensitive individuals.



Interference fields

Getting to the root cause of chronic diseases

If you do not feel really healthy and powerful, or if you suffer from diffuse health complaints or even pain, then so-called interference fields in your oral cavity could be the initiators for this.

Diagnostics of interference fields

Interference fields preferably cause damage secretly, quietly and silently. The longer they have an effect on the organism, the more negative interference fields can become. The problem: It is anything but easy to find out where an interference field is located. This requires many years of experience and a high level of expertise about the connections in the body. In addition, procedures such as electro-acupuncture according to Voll (EAV) or digital 3D X-ray technology (DVT) help us. At the D-TOX Dental Center we have also developed a special diagnostic procedure using ear acupuncture to find out which teeth, for example, put a strain on the organism.

What is an interference field?

Interference fields are often chronic inflammations - caused, for example, by an inflammation of the jawbone after removal of the wisdom teeth or by the permanent bacterial load in deep gum pockets. Root-treated teeth or filling materials and metal dentures also have a disturbing effect on the organism.

Our mission - recognize and eliminate interference fields.

At the D-TOX Dental Center, we specialize in reliably locating interference fields in the mouth and eliminating them step by step. Our aim for our patients is to remove all interference fields as effectively as possible and to ensure a healthy oral flora in your oral cavity. In this way, your general condition and well-being will improve noticeably and measurably.



Digital Volumentomography (DVT)



Test and consulting room

Meridian System - Upper Jaw

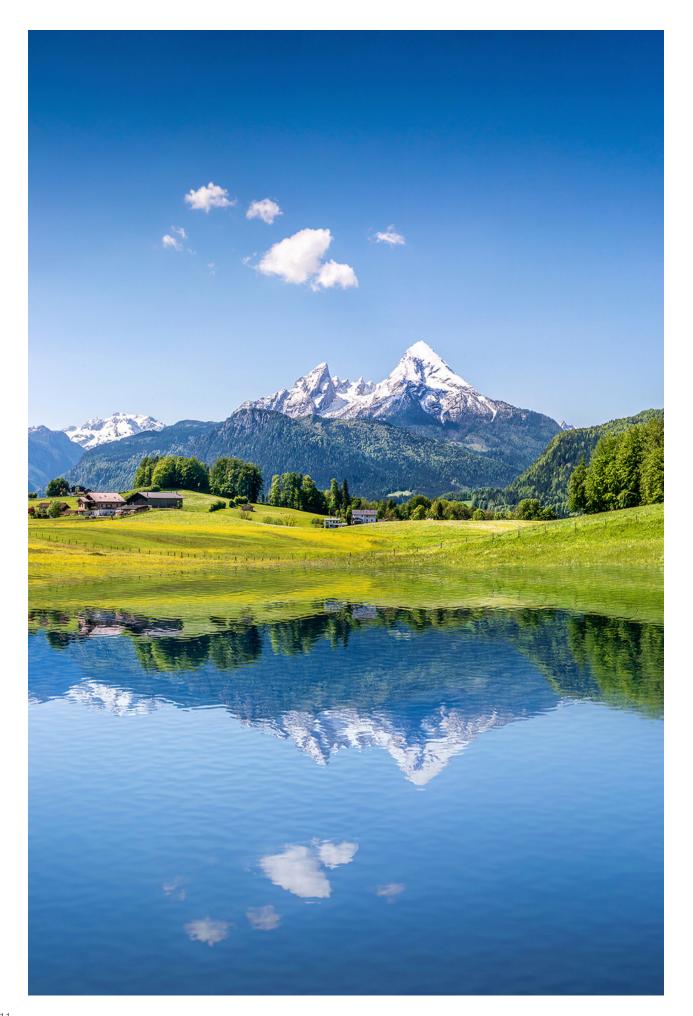
Overview for Self Analysis

tooth								T		
	18 ⁻	17 16	15	14 13	12 11	21 22	23 24	25	26 27	28
sensory organ	inner ear	tongue / taste	nose / smell	eye	nose / smell / sinus	nose / smell / sinus	eye	nose / smell	tongue / taste	inner ear
joint	shoulder elbow ulnar hand plantar foot toes	jaw front knee	shoulder elbow radial hand foot big toe	back knee hip foot	sacral coccyx	back knee sacral coccyx foot	hip	shoulder elbow radial hand foot big toe	jaw front knee	shoulder elbow ulnar hand foot plantar toes
spine segment	Th1 C8 Th7 Th6 Th 5 S3 S2 S1	Th12 Th11 L1	C7 C6 C5 Th4 Th3 Th2 L5 L4	Th8 Th9 Th10	L3 L2 S4 S5 Co	L3 L2 S4 S5 Co	Th8 Th9 Th10	C7 C6 C5 Th4 Th3 Th2 L5 L4	Th12 Th11 L1	Th1 C8 Th7 Th6 Th 5 S3 S2 S1
vortex	Th1 C7 Th6 Th5 S2 S1	Th12 Th11 L1	C7 C6 H5 Th4 Th3 L5 L4	Th9 Th10	L3 L2 Co S5 S4 S3	L3 L2 Co S5 S4 S3	Th9 Th10	C7 C6 C5 Th4 Th3 L5 L4	Th12 Th11 L1	Th1 C7 Th6 Th5 S2 S1
organ	heart right	pancreas	lung	liver on the right	right kidney	left kidney	liver on the left	lung	spleen	heart on the left
Yin	11-13h	9-11h	3-5h	1-3h	17-19h	17-19h	1-3h	3-5h	9-11h	11-13h
	Duo- dendum, allergies	stomach on the right	colon	gall bladder	bladder urogenital region	bladder urogenital region	left bile ducts	colon	stomach on the left	Jejunum, Ileum, allergies
Yang	13-15h	7-9h	5-7h	23-1h	15-17h	15-17h	23-1h	5-7h	7-9h	13-15h
endrocrine glands	anterior pituitary gland	parathyroid gland / thyroid gland	thymus	posterior pituitary gland	epiphysis	Epi- epiphysis	posterior pituitary gland	thymus	thyroid / parathyroid gland	anterior pituitary gland
other	central nervous system psyche	right mammary gland			back complaints headache	back complaints headache			left mammary gland	central nervous system psyche
tooth	1 8	17 16	1 5	14 13	12 11	21 22	23 24	25	26 27	28

Meridian System - Lower Jaw

Overview for Self Analysis

tooth	48 4	47 46	4 5		42 41			35	36 37	/ <u>38</u>	
sensory organ	ear retina	ethmoid cells nose, smell	sinus tongue, taste	ear see	sinus nose smell	sinus nose smell	eyes see	sinus tongue taste	ethmoid cells nose, smell	ear retina	
joint	shoulder. elbow hands ulnar hand radia foot plantar foot toes big toe		front knee jaw	пір соссух		back knee sacral coccyx foot	hip	back knee jaw	hand radial	r / elbow hand ulnar foot plantar toes	
spine segment	Th1 C8 Th7 Th6 Th 5 S3 S2 S1	C7 C6 C5 Th4 Th3 Th2 L5 L4	Th12 Th11 L1	Th8 Th9 Th10	L3 L2 Co S4 S5	L3 L2 Co S4 S5	Th8 Th9 Th10	Th12 Th11 L1	C7 C6 C5 Th4 Th3 Th2 L5 L4	Th1 C8 Th7 Th6 Th 5 S3 S2 S1	
vortex	Th7 Th1 Th5 Th6 S1 S2 hips	C7 C6 C5 Th4 Th3 L5 L4	Th12 Th11 L1	Th9 Th10	L3 L2 Co S5 S4 S3	L3 L2 Co S5 S4 S3	Th9 Th10	Th12 Th11 L1	C7 C6 C5 Th4 Th3 L5 L4	C7 Th1 Th5 Th6 S1 S2 hips	
organ	lleum right, allergies	colon right	stomach r., Pylorus	gall bladder	bladder r., urogenit. region	bladder r., urogenit. region	bile duct right	stomach left	colon left	Jejunum, Ileum, allergies	
Yin	13-15h	5-7h	7-9h	23-1h	15-17h	15-17h	23-1h	7-9h	5-7h	13-15h	
	right heart, circulation	right lung	Pancreas	right liver	right kidney	left kidney	left liver	spleen	left lung	left heart, circulation	
Yang	11-13h	3-5h	9-11h	1-3h	17-19h	17-19h	1-3h	9-11h	3-5h	11-13h	
endocrine glands / vascular system	peripheral nerves	arteries / veins	lymph vessels	gonads	adrenal gland	adrenal gland	gonads	lymph vessels	veins/ arteries	periphal nerves	
other	energy balance	no no no					left ener mammary gland balar				
tooth	48	47 46	4 5	H H 44 43	42 41	H H 31 32	33 34	35	3 6 37	38	



All-In-One-Concept

Health begins in a healthy oral environment

Step by step to better health



All non-biological or non-neutral materials, such as amalgam fillings, are removed under maximum protective measures and replaced by biologically highly compatible materials such as ceramics.



Interference field restoration

The oral cavity is one of the areas of the body most affected by interference fields. Interference field means that an inflammatory process in the oral cavity causes an undesirable reaction elsewhere in the body. Therefore, all dead roottreated teeth and inflammation should be removed from your mouth.



FDOK stands for fatty degenerative osteonecrosis of the jawbone. This is a chronic inflammation of the jawbone, because it is undetected. FDOK often occurs where teeth have been removed and the wounds have not healed optimally.



Biological-aesthetic treatment

We ensure the preservation and reconstruction of your masticatory system using metal-free materials, such as high-quality ceramics. Always under the aspect of restoring the anatomy, tissue, bones and above all the aesthetics in the best possible way.



Ceramic implants

Metal-free all-ceramic implants made of zirconium oxide replace missing teeth. The ceramic implants we use are metal-free and highly aesthetic due to their white color. Unlike grey titanium, which can cause toxic and allergic reactions in the body, ceramic implants are also 100% biocompatible.



Functional measurements

More than 30 years of experience in the treatment of functional temporomandibular joint diseases enable us to treat your complaints optimally - e.g. through bite elevations/displacements or metal-free orthodontics.



The detoxification of the oral cavity is a main focus in our practice. After completion of the respective measures - especially after amalgam removal - we also recommend a detoxification of the body system. For this purpose we work together with experienced doctors and alternative practitioners.

Metal restoration

Consistently metal-free oral environment

Metals are only used in our practice in exceptional cases, i.e. at the specific request of the patient. And for good reason: Like all materials, metals and alloys release components in the mouth through corrosion. These smallest particles can lead to allergic reactions or manifest themselves in toxic and also electrical effects. Anyone who insists on having metal dentures risks unwanted side effects.

Highest biocompatibility

Modern, bioceramic and biosynthetic materials enable us today to produce bioceramic and biosynthetic dental prostheses that are biologically wonderfully compatible and at the same time highly durable. You can rely on this - as well as on the best dental craftmanship, a gentle approach and individually tested materials.

Dental metals as an oral battery

Did you know that dental fillings, crowns, bridges and dentures made of different metals in your mouth can lead to an electric battery effect?

This occurs when two different metals are brought into a conductive solution. Since saliva conducts electricity due to the salts dissolved in it, the different metals in your mouth act like the poles of a battery. The less noble metal ions flow towards the more noble metal. This results in a permanent current flow in the mouth.

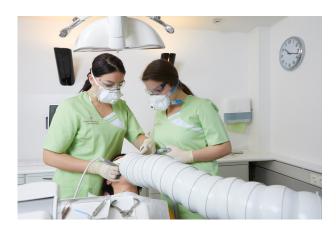
The currents that can be measured are sometimes considerable. It has been scientifically proven that these can have a damaging effect on the chewing muscles, the oral mucosa and the brain. Such an oral battery can also cause loose irritation of the tongue or oral mucosa and even allergies, which can lead to chronic inflammation.

It is your decision!

Classic dentistry still works with metals. Therefore metal alloys are mostly used for dental prostheses. The alloys used are gold, palladium, silver, cobalt and nickel.

In the area of implants, we also often find the material titanium. Even the questionable amalgam is still used as a cheap filler.

We rely on metal-free and therefore biologically valuable.



FDOK (NICO)

The chronic inflammation of the jaw bone (FDOK or NICO)

FDOK stands for fatty degenerative osteonecrosis of the jawbone. This is a chronic inflammation of the jawbone because it is undetected. FDOK often occurs where teeth have been removed and the wounds have not healed optimally. They are not visible on a conventional X-ray. An undetected FDOK will cause significant damage to the organism. This is because patients who suffer from FDOK are often under constant stress (sympathetic mode). This means that the vegetative nervous system is hardly able to switch to relaxation (parasympathetic mode). A heart rate variability analysis provides us with valuable initial information in case of suspicion.



Sick vs. healthy Bone

(Photo: | Oral Pathol Med 1999; 28:423

Consequences of a FDOK / NICO

Similar to root-treated dead teeth, FDOK also produces toxins and inflammatory messengers. These reach the whole body via the nerves, lymph vessels and bloodstream and can cause a wide range of symptoms. Possible symptoms that may indicate an FDOK:

- Knee pain
- Thyroid gland problems
- Allergies
- chronic fatigue
- motoric deficits

Complete healing of the bone

At the D-TOX Dental Center, we pay very close attention to the complete cleaning of the jawbone during all tooth extractions - to prevent FDOKs from the start. We do not simply sew up the extraction wound, but support the bone and the wound to heal faster and completely by using ozone and membrane therapy according to the Choukroun A-PRF method - a special form of autohaemotherapy.

We recognize and eliminate what is disturbing your body

As specialists in biological dentistry, we are trained and experienced in the early recognition of an FDOK. It is usually physical warning signs and stress parameters that give us initial indications. The precise diagnosis is then made using digital 3D volume tomography (DVT) and bioenergetic test procedures.

In connection with FDOK, therapy often means surgery. During this operation, we remove the desolate, disturbed tissue in the decomposed jawbone. The missing bone substance can be rebuilt or replaced with special procedures.

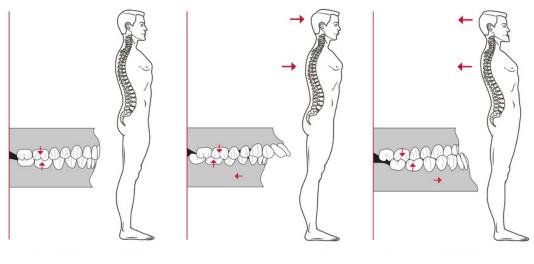
Functional measures

Back pain from misaligned teeth

A holistically oriented, biological dentistry cannot avoid one topic: the malocclusion. Because too many people suffer from chronic back and neck pain, hearing loss and dizziness. In many cases, it is not possible to find the exact cause. Only when the orthopedist and ENT physician are unsuccessful, is a dental examination considered. Even the slightest misalignment of the jaw can cause considerable discomfort throughout the body.

The influence of the bite on posture

The chewing mechanism plays an important role in the stabilization of the body posture. The jaw bones and the muscles and ligaments involved in biting and swallowing are inseparably connected to the skeletal muscles and therefore have a direct effect on the posture of the body.



Normal bite and posture

Changed posture due to wrong bite

Small adjustment - big effect

In a healthy chewing system, the power exerted by the chewing muscles is transferred evenly to the rows of teeth and used to crush the food. Even a slight shift of a few tenths of a millimeter from the ideal position when biting, e.g. due to misaligned, loose or missing teeth, can lead to disturbances of balance and posture, which can affect from head to toe.

One-sided pressure leads to complaints

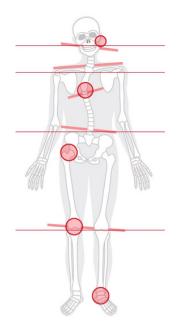
The body automatically tries to compensate for the incorrect posture by adjusting the muscles and the musculoskeletal system. In the long run, this leads to a crooked posture of the body. In some cases, it is only years later that chronic complaints with consequences throughout the body arise due to one-sided overstress and wear and tear.

Symptoms, diagnostics and therapy

The malocclusion and its effects

Typical symptoms are for example:

- headache or neck pain
- ringing in the ears or tinnitus
- Swindle
- Crackles or pain in the temporomandibular joints
- Sinus problems
- Functional disorders
- Back pain
- Spinal column curvature
- Slipped disc
- Hip, knee and foot complaints



Diagnostic

The consideration of the relationship between teeth and posture - also called posturodontics - is an essential element of first-class dentistry in our dental center. Dr. med. dent. Prein is a recognized expert in the field of posturodontics.

Our malocclusion treatment is based on modern measuring methods, a thorough examination of the masticatory apparatus, digital x-rays of the jaw joints and manual tests.



Treatment options

For adult patients we use individually made bite splints to correct the malocclusion. These are placed on the posterior teeth of the lower jaw, usually worn only at night and adjusted once a month. With the help of these specially developed splints, we correct the position of the lower jaw when biting, which also leads to a reprogramming of the brain - with regard to the perception of body movement and position.

The treatment of the malocclusion requires the cooperation of a manual therapist with special knowledge in osteopathy, physical medicine and posture therapy.

Holistic effect

Since the bite change automatically causes the eye muscles to adapt, many functional disorders in the eye area are improved: the eyes, for example, no longer become tired as quickly, which increases concentration and performance.

Biological aesthetics

Beautiful and healthy teeth - for a lifetime

Unfortunately not everyone has the luck of naturally beautiful teeth. But unaesthetic, crooked or missing teeth are no longer a problem. Because we simply help nature. The possibilities for this are better than ever. Thanks to modern materials, artificial teeth are no longer distinguishable from real teeth



At the D-TOX Dental Center, we consider aesthetics as the crowning glory of a biological health concept for the dentition and oral cavity. With the help of modern methods, selected metalfree materials and high craftsmanship, we help you achieve a radiantly beautiful and biologically healthy smile. Because beauty only develops its full radiance when it is based on functionality and well-being.

Tooth splints / aligners

We offer you an excellent procedure to correct large and small misalignments of the teeth and jaw. With almost invisible plastic splints, so-called aligners, we move your teeth gently but firmly into the correct position. For a beautifully even bite and the best possible functionality. No matter what age.

Due to the individual production, aligners can also lead to significant relief of muscle and joint problems and can be used for nightly grinding of teeth.

Ceramic implants and -inlays

If a tooth is missing, we close the gap with a biologically very well tolerated ceramic implant. For larger fillings, we will use ceramic inlays that fit perfectly. We do not use metals in aesthetic biological dentistry. They have a too negative effect on the biological processes in your body. In general, we make sure that the materials not only meet the highest optical standards, but are also individually well tolerated. Precise material testing gives you assurance.

Veneers

Ultra-thin veneers give unsightly natural teeth a perfect appearance. Teeth that have been veneered with veneers not only look more aesthetic, but above all very natural.

The durability of ceramic veneers is also convincing. There is no need to worry: thanks to their material, veneers are almost as durable as natural teeth. In addition, veneers are a more tooth-friendly alternative to other methods such as crowns.



Ceramic Implants

The future of dental implantology

Ceramic implants - the number one choice for health and aesthetics

In modern implantology, ceramic implants represent the clinical and prosthetic standard of the future. Ceramic implants are made of the material zirconium oxide. They are 100% metal-free and highly aesthetic due to their white color - even in areas where titanium implants shimmer grayish through the thin gums.

Ceramic implants have the outstanding ability, that the gums grows against the ceramic and thus firmly close the "immunological door" for bacteria and other harmful substances. In contrast to titanium implants, ceramic implants therefore have outstanding aesthetic and biological characteristics. Not at least because they are very similar to the natural tooth substance.

As resilient as titanium - and much more tolerable

Ceramic implants are a relatively young field of medicine. Their quality had to mature and be brought to perfection. Today, many thousands of placed ceramic implants and at least five university studies later, the industry is sure:

ceramic implants are in no way inferior to titanium implants in terms of quality and performance. On the contrary!



Specialists for ceramic implants

As ceramic pioneers, we have been committed to the further development and use of ceramic implants for over fifteen years. Our treatment methods and surgical concepts in this field are leading, so that usually minimal procedures are required and healing times are almost painless. The special surgical technique shortens the healing process and reduces the risk of inflammation.



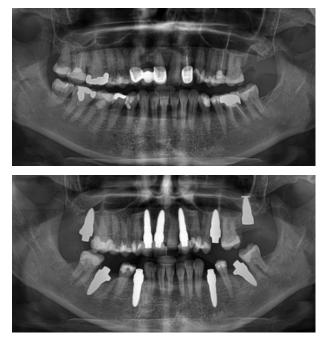
Early or late implant placement

At the D-tox Dental Center for Biological Dentistry we prefer - whenever possible - immediate implant placement. We take advantage of the good opportunity to insert the implant into the created tooth space in the same session after the removal of a tooth. This creates the basis for preserving existing bone and soft tissue as much as possible.

The know-how of specialists is in demand

It is important that the so-called "Short Cut Concept" of Dr. Ulrich Volz is strictly followed. Therefore, well-trained and experienced specialists are required for the implantation of ceramic implants and their immediate implantation. For example, a special focus is placed on thorough cleaning and disinfection of the surgical site, since ceramic implants only heal in completely healthy bone.

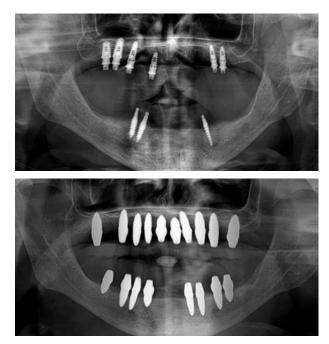
Before the ceramic implant gets inserted, we sterilize the drill holes and the tooth socket with ozone. Ozone kills all bacteria, fungus and viruses, but not the body's own cells.



Above: Patient before, Below: Patient afterwards with SDS ceramic implants

Late implantation of ceramic implants

Of course, at the d-tox dental center we are also equipped to treat patients whose jawbone has already healed after a tooth removal. Here, the most important thing is to proceed as gently and minimally invasive as possible. Depending on how long ago a tooth was removed, various bone reconstruction measures may be necessary.



Above: Patient before with titanium implants, Below: Patient afterwards with SDS ceramic implants

Thanks to our expertise, we are able to successfully treat even more complicated cases with ceramic implants.

With over 500 placed and successfully healed SDS ceramic implants per year, we are a leader in the field of implantology and ceramic crowns.

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The importance of vitamin D3

Optimal preparation for the healing of ceramic implants

At the D-TOX Dental Center, we look at the entire individual even before the actual dental treatment. Blood values of vitamin D3 and LDL cholesterol give us information about the conditions. We can advise you accordingly and provide you with the best possible advice according to your needs.

Vitamin D3 and dental implants

According to studies, it has already been proven several times that vitamin D3 promotes bone formation and thus improves the healing of implants. Furthermore, dental health benefits from an anti-inflammatory effect on the gums and the periodontium. This means that a lack of vitamin D3 inhibits the healing of implants and increases the risk of infection.

About 4 weeks before the planned procedure, our patients start to individually build up their vitamin D3 level, as well as vitamin K2 and other important basic minerals and vitamins. The aim for the patient should be to maintain the higher level of vitamin D3 and other nutrients permanently.

The majority of the population today shows a Vitamin D deficiency. Due to today's lifestyle and predominant stay in closed rooms, as well as lack of proximity to the equator and food, which has become generally nutrient-poor due to depleted soils, we recommend a biological extensive supplementation of various vital substances.

With regard to vitamin D3, we assume that a protective dose is 20,000 I.U. per day and optimally prepares the patient. In case of a long-term intake, we will be pleased to advise you individually in our center.



LDL-Cholesterin

The LDL cholesterol level is also determined before every surgical procedure. This gives information about the individual inflammatory tendency of the patient. It is observed that sufficient vitamin D3 supplementation lowers bad cholesterol.

Since nutrients should always be taken in a complex way, we will be happy to advise you on a cure or permanent intake of vitamins and minerals that can be sensibly absorbed by the body.

D-TOX - Detoxify and eliminate

Cleanse the body

Mercury in dental fillings (amalgam), arsenic in rice, cadmium in cereals, aluminum in deodorants, dioxin in meat, insect poisons in eggs, emissions in the air we breathe - the list of environmental toxins to which we are exposed day after day is endless. Many toxins can be eliminated by the body itself, but not all. The remaining toxins are being stored and can lead to cell damage, chronic diseases and even cancer.



Step by step to better health

One of our main focuses at the D-TOX Dental Center - as the name suggests - is the detoxification of the oral cavity. It is a great relief for your entire organism, boosts the metabolism and strengthens your immune system. For further detox cures that support your entire organism, we will be happy to refer you to doctors and alternative practitioners who cooperate with us. After all, we want you to be healthy - and stay healthy.

IMPORTANT!

We believe that a detox treatment is particularly important after the successful amalgam and metal restoration of the oral cavity in order to eliminate the circulating and stored mercury.



Learn more at: www.d-tox.dental

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