

Timo Krause
Germany
Editorial Manager

Timo Krause



© Katja Kupfer

Don Quixote— quitting is no option

Let's begin with a brief history lesson: the earliest attempts at dental prosthetics date back to the 5th millennium BCE. Archaeological illustrations show how shell fragments were used to replace extracted teeth. Remarkably, this material came directly from nature—composed of calcium carbonate, magnesium carbonate, silicates, clay minerals, and organic components.

Even in ancient times, dentures made of ivory or walrus tusks were common. These “teeth” were secured with gold bands and threads around neighbouring teeth.

Then, in 1806, Giuseppangelo Fonzi may have invented the first artificial ceramic tooth, designed to meet both functional and aesthetic standards. This innovation was a milestone, paving the way for further development in dental solutions.

Starting in the 1960s, the focused development of dental implants began. Early attempts were made with aluminium oxide to create a system that could be mass-

CONTENT

03

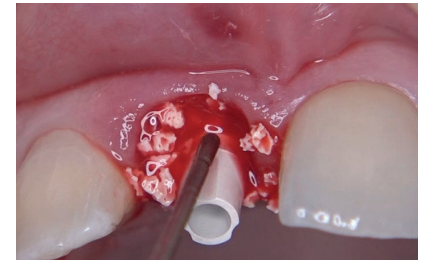
editorial

Timo Krause

06

Single unit implant rehabilitation in the aesthetic area

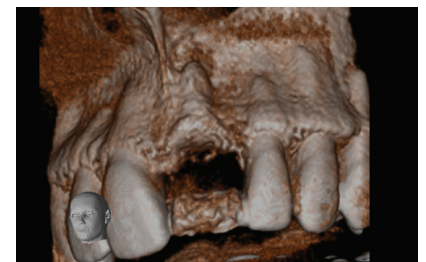
Dr Geninho Thomé, Carolina Accorsi Cartelli,
Dr Sérgio Rocha Bernardes, Dr Jean Uhlendorf



12

Single-tooth restoration in the anterior maxilla

Dr João Pedro Almeida & António Korrodi Ritto



20

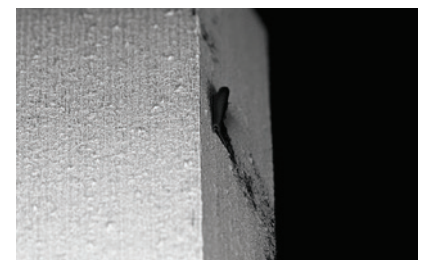
Impact of periodontitis on systemic health and on implants—Part 1

Prof. Curd Bollen, Prof. Paul Tipton, Dr Mishel Kocharyan & Prof. Gagik Hakobyan

24

Peri-implantitis prevention starts with the choice of a clean implant

Drs Dirk U. Duddeck and Dana Adyani-Fard



produced. Although there were setbacks, the idea of a metal-free alternative to popular titanium implants stuck with many pioneers. In the 1990s, they developed new solutions using zirconia, a type of ceramic that was stronger and more resilient than aluminium oxide. The benefits of this new material were quickly recognised in the dental field.

Where are we today? Zirconia implants have now shed their niche status and established themselves in modern dentistry. From a small group of enthusiasts, a global network of experts has emerged. They regularly exchange ideas, bringing fresh perspectives to the industry, which in turn continuously refines these materials.

And where will this lead? We don't know for sure. But we do know that ceramic implantology remains a niche for many and is sometimes underestimated due to the material's specific properties. However, zirconia implants, as stated by numerous studies and committees, now offer a competitive alternative to metal. Although ceramic implantology is sometimes viewed with skepticism, many advanced concepts have developed around the implanting process itself, contributing significantly to successful treatments.

Ceramic implantology is neither magic nor a game; it is serious business, and those specialising in this field deserve to be taken seriously. With *ceramic implants*, we aim to provide all ceramic implantology specialists with a platform and a voice.

So, let's not give up—let's break down the barriers standing in our way together and let us continue to fight against the windmills of scepticism, harsh critic and laughter. Don Quixote 2.0.

Sincerely

Timo Krause



Cover image courtesy
of Neodent—
A Straumann Group Brand
www.neodent.com



CONTENT

30

From concept to patented innovation



32

European Society of Ceramic Implantology (ESCI) satellite symposium—"Ceramic Implantology"



34

EAO Congress 2024: Advancing excellence in implant dentistry



36

International experts define standards for edentulous maxilla treatment

38

manufacturer news

42

events + imprint

The Right Choice & Most Requested By Patients



The only 100% Ceramic Bone-Level implant on the market with a 100% ceramic screw for a metal-free restoration.

Tissue-Level also available!



The World's Most Innovative 100% Ceramic Drill Kit

- Self-Sharpening!
- No Metal Flecking!



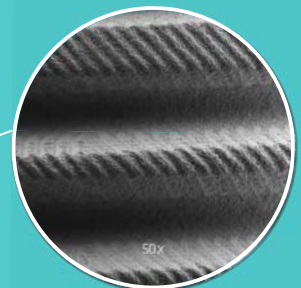
A variety of abutment options to accommodate various restoration types, ensuring optimal functionality and visual appeal.

Perfect for single or multiple implant cases.



The World's FIRST & ONLY 100% Ceramic Bone-Level Implant with a Screw-Retained Conical Connection.

Our innovative screw-retained conical connection with an internal thread eliminates the micro-gap and prevents the pump effect.



Patented SLM® Laser Surface Technology provides superior osseointegration and promotes healing and tissue regeneration.