

# Zirkonzahn®

*Human Zirconium Technology*



**100% PRETTAU ZIRCONIA**

*“Perfection through perseverance” Enrico Steger*



*Zirkonzahn World Wide*



*Zirkonzahn Germany*



*Zirkonzahn USA*



*Zirkonzahn Mexico*

## *100 % Prettau Zirconia - 0% chipping*

The patient wished to have a new prosthesis made to regain the smile and the appearance she had when she was younger. We therefore realized a Prettau bridge, completely in zirconia, which was covered with a thin layer of ICE Zirkon Ceramics in the vestibular area and in the area around the gums to obtain a more pleasing appearance. The job involved work on seven implants screwed into the occlusal surface. At teeth 11 and 13, we milled a bar-type attachment with two threaded bushes (Screw-Tec System) for inserting the screw channels on the palatal side. The bridge was then screwed directly onto this attachment and onto the remaining implants. The photo on the lower right shows how the bar inserts flawlessly into the prosthesis and how the convex shape of the perfectly smoothed support makes it easy to clean the teeth.



## *The Prettau Bridge*

Laboratorio Jones, Dr. Nidia Gonzales

Georg Walcher – Zirkonzahn Education Center



## *A STUDY ON ABRASION: The Steger method for measuring dental abrasion*

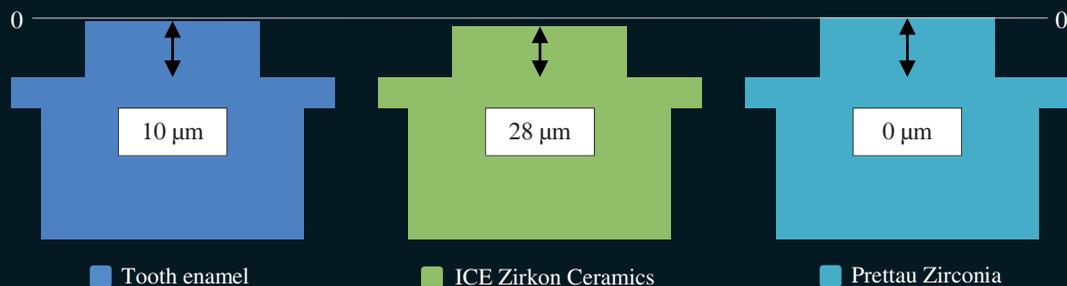
Customers have often asked us how Prettau Zirconia behaves under abrasion. We therefore conducted a study on this subject in our laboratories.

### **The results of the study:**

- Polished Prettau Zirconia causes virtually no abrasion on elements subjected to friction.
- Both the ceramic and the natural tooth cause greater wear than polished Prettau Zirconia.

The complete study, the results of which correspond to the results of other studies conducted by independent research institutes, is available on our website at [www.zirkonzahn.com](http://www.zirkonzahn.com).

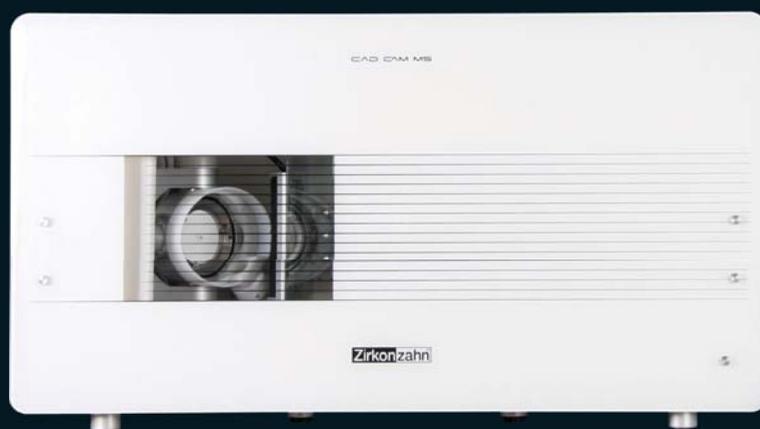
Of course, we are continuing our investigation and will soon publish the results of other studies!



*Schematic diagram of the effects of wear by different test pieces on 3.024 million contact cycles at the friction element.*

## HUMAN ZIRCONIUM TECHNOLOGY

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*Zirkonzahn CAD/CAM System 5-TEC*