DENTAVANTGART

labline

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INTERVIEW

INSPIRED BY NATURE: CHRISTIAN FERRARI

DR. **VIOLETA BARTALIS ÉP. CLAUS** & ZTM. **JAN-HOLGER BELLMANN** & DR. **CARSTEN CLAUS**

A BALANCING ACT BETWEEN FUNCTION AND AESTHETICS: A THIRD DIMENSION OF A SMILE

DR. **ATTILA BODROGI** & CDT. **SIMONE MAFFEI**

BESPOKE SMILE MAKEOVER: A FACIALLY DRIVEN APPROACH TO INDIVIDUALIZED OUTCOME

DR. **CYRIL GAILLARD** & CDT. **JÉRÔME BELLAMY**

FULL FUNCTIONAL AND ESTHETIC MINIMALINVASIV RESTORATION USING IPS E.MAX CERAMICS

IMPRESSUM

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DEAR READER,

On my business trips I have had the opportunity to talk to dental technicians and lab owners in many countries about their work and their vision for the near future. The expectations and anxieties are naturally as different from each other as the people themselves and their countries. In the conversations, however, there was a common denominator: the automation of dental laboratories, or the fear associated with it, that automation could mean the end of the profession of dental technician as an "artist".

The more I considered this subject and observed the developments and happenings of the dental industry, the more I realised that modern dental technology is being offered a huge opportunity. The central issue is this: digital production or traditional manual work? Is there a connection between the two streams? Today I am sure that this "bridge" exists. It just needs to be recognised and exploited to our own advantage.

Take North America, for instance. The dental labs there are subject to tough market conditions, they have to fulfil the orders of dentists and clinics in the shortest time possible. It led to around 20% of all the prosthetic work being outsourced to China.

A turnaround only came with the appearance of digital production technology. Besides the time factor, the possibility of producing all basic materials with maximum precision has prompted ever more dentists to have prosthetic jobs done in their own land again. Recognising the signs of the times, the dental technicians invested in CAD/CAM technology. This is the reason why the number of workers in dental laboratories in the USA has increased again compared with the situation a few years ago.

What is observed in the USA will be valid everywhere in the future. Compelled by economic sense, digital technology must be integrated into production. Where human possibilities reach their limits, machines can work. Take lithium disilicate glass ceramic as an example. I frequently hear that the labs receive orders from their dentists to make prostheses from lithium disilicate. As the labs have already invested in CAD/CAM technology, they now have to shape this high-strength ceramic with a milling machine. A completely senseless undertaking from an economic point of view! Not only due to the high cost of the starting blocks, but the machine time and tool costs also signify a loss.

I imagine modern dental technology in the following way. Differentiate, i.e. mill, if the material brings the technician to his limits when processing. Mill and press, if the costs of CAD/CAM technology are too high.

Press and individualise, so that the greatest added value stays in the lab. Taking these considerations into account, Zubler products have taken a route based on a combination of classic and digital dental technology.

Besides the large CAD/CAM appliance suitable for producing simple and extremely complex designs from all current materials, a compact Zubler CAD/CAM machine will soon be available, which will be equipped with the manufacturing experience of the large milling machine. The small CAD/CAM will also offer small dental labs the opportunity, for a reasonable and calculable investment, for the digital production of frames, crowns and bridges to become part of their everyday lives.

For this, we offer dental labs everything necessary for profitable production:

- besides a large CAD/CAM appliance, a small machine soon for perfectly fitting frame designs,
- all associated materials and tools,
- ceramic kilns equipped with patented pressing procedure,
- modern firing kilns,
- a complete ceramic system for all indications.

For a successful journey into the dental technology of tomorrow, we must be aware of the above insights. We are convinced we have managed to turn concerns into positive expectations, and we are pleased that we can continue to serve this wonderful vocation in the future.

KURT ZUBLER

Inspired by nature

Christian Ferrari

D

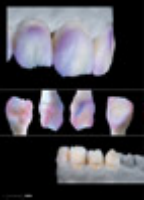

Abb.

Ausgangssituation: Nach Entfernung der Brücke und Kronen zeigt sich eine Verfärbung der Zähne 13 und 14 sowie eine Fistel. Die Zähne 13 und 14 sind nicht mehr vital und müssen endodontisch behandelt werden. Die Zähne 12 und 15 sind vital und können überkront werden.

Christian Fleiner

Always searching for the best

Ausgaben für Forschung und Entwicklung

Ausgaben für Forschung und Entwicklung werden in der Periode, in der sie anfallen, als Aufwand erfasst. Aktivierungspflichtige Entwicklungskosten werden nicht ausgewiesen, da die Voraussetzungen für eine Aktivierung nicht erfüllt sind.

Ertragssteuern

Die Ertragssteuern umfassen die laufenden Steuern und die latenten Steuern. Die laufenden Steuern werden auf der Grundlage des steuerbaren Ergebnisses der Periode berechnet. Latente Steuern werden für temporäre Differenzen zwischen den Buchwerten in der Bilanz und den steuerlichen Werten sowie für steuerliche Verlustvorträge gebildet.

Finanzanlagen

Finanzanlagen werden zu Anschaffungskosten abzüglich notwendiger Wertberichtigungen bewertet. Wertschriften des Umlaufvermögens werden zum Marktwert am Bilanzstichtag bewertet.

Vorräte

Vorräte werden zu Anschaffungskosten oder zum tieferen Nettoveräußerungswert bewertet. Die Anschaffungskosten werden nach dem Durchschnittsverfahren ermittelt.

Sachanlagen

Sachanlagen werden zu Anschaffungskosten abzüglich kumulierter Abschreibungen bilanziert. Die Abschreibungen erfolgen linear über die geschätzte Nutzungsdauer.

Master Ceramic Aesthetics

with Christian Ferrari

The tooth and its evolution over lifetime


INCREASE
YOUR
PRICE


A BALANCING ACT
function & aesthetics

S [illegible]

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Abb. 1 Ansichten des Kirchenraums

Abb. 2 Ansichten des Kirchenraums

Abb. 3 Ansichten des Kirchenraums

Abb. 4 Ansichten des Kirchenraums

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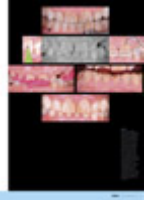


When you could have anything, or have it in little, small bright
When you could have him for you, for me, for every small children of
We are sometimes not content with that
We are small children of the world, we have, although we are children

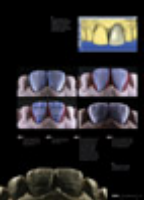
Just because

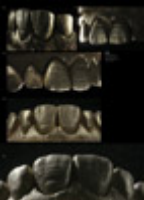
We are not because we are content
Because we have the heart, when although we have everything

Dieter Nuhr
Comedian

SURFACE AND MORPHOLOGICAL CHARACTERIZATION OF DISILICATE RESTORATIONS

C.





Thoughts Composed in Concrete

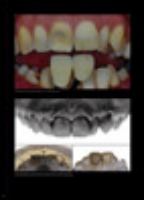



Patented pressing process for lithium disilicate
VARIO PRESS

THE MICRODENTISTRY APPROACH

Abstract

PHOTO&SHADE



STRENGTH = Emax® (Press)

AESTHETICS = e.max Ceram

Genesis

The Genesis Collection is a range of premium quality, high performance, fully synthetic lubricants. Developed using the latest technology, they are designed to provide outstanding protection and performance for the most demanding engines.

Genesis Advanced 5W-30 is a fully synthetic, low viscosity, low ash, low friction lubricant. It is designed to provide outstanding protection and performance for the most demanding engines.

Genesis Advanced 10W-40 is a fully synthetic, low viscosity, low ash, low friction lubricant. It is designed to provide outstanding protection and performance for the most demanding engines.

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Dr Ahmed Ali
BDS, MSc, PhD
Consultant Orthodontist
Ahmed Ali Orthodontics
Cairo, Egypt

Abstract

Aim: To evaluate the effectiveness of clear aligner therapy in the correction of moderate crowding and to assess the predictability of tooth movement.

Methods: Forty patients with moderate crowding (4–8 mm) were treated with a single clear aligner system. Digital models were superimposed to measure the difference between planned and achieved tooth movement. Treatment duration, number of aligners and patient-reported outcomes were recorded.

Results: The mean treatment duration was 14.2 months (SD 3.1) and the mean number of aligners was 28 (SD 6). Overall, 82% of planned movements were achieved within clinically acceptable limits. Lower incisor alignment showed the greatest predictability, while molar rotation was the least predictable.

Conclusions: Clear aligner therapy is effective for moderate crowding in selected patients, but clinicians should anticipate the need for refinement, particularly for molar rotations.

Bespoke Smile Makeover

INTEGRATION

A Case Report

LAE Stem

Cementless, tapered, proximally coated femoral stem with a rectangular cross-section and a distal centralizer.

Material: Titanium alloy

Surface: Proximally coated

Sizes: 10 – 20

WORK DAY

IN SITU

Kamin-Einsatz
Fireplace insert

Kamin-Einsatz
Fireplace insert

Dimensions (W x D x H)
Without packaging
1,000 x 1,000 x 1,500 mm
39.4 x 39.4 x 59.1 in

Weight
Without packaging
Approx. 500 kg
Approx. 1,102 lbs

Power
Power supply
400 V, 3 ph, 50/60 Hz
Power consumption
Max. 3.5 kW

Connections
Gas connection
Inert gas, 6 mm
Exhaust gas connection
Ø 50 mm
Ø 1.97 in

Ambient conditions
Ambient temperature
+5 °C to +40 °C
+41 °F to +104 °F
Relative humidity
Max. 80 %, non-condensing


GAD
THE ESTHETIC AND FUNCTIONAL REHABILITATION
A STEP BY STEP APPROACH FOR A PREDICTABLE RESULT

KunstZahnWerk® 2018

Architektur – Mehr Vielfalt für Zahnärzte

Ausstellung

SEPTEMBER 21, 2018

Vernissage
18:00 Uhr

Ausstellungsdauer
21. September – 31. Oktober 2018

Ausstellungsort
Kunstverein Hannover
Sophienstraße 2
30159 Hannover

Öffnungszeiten
Di – So 11:00 – 18:00 Uhr
Do 11:00 – 20:00 Uhr

Eintritt
8 € / 4 € ermäßigt

We know the price of **everything**, but the value of **nothing**!

– OSCAR WILDE –

labline