DENTAVANTGART

# labline

VOLUME III, ISSUE #01 SPRING, 2013.

VIRTUOSO PROFESSOR OF DENTAL TECHNOLOGY, SCULPTOR OF IDEAS

## KLAUS MÜTERTHIES

DR. RAFAEL PIÑEIRO SANDE & ROBERTO PORTAS MOURE

## AN "IMPULSE" TO THE SMILE

DR. SERGIO R. ARIAS & ARAM D. TOROSIAN

## A BLUEPRINT FOR SUCCESS

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**IMPRESSUM**

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# Dear Reader,

Precisely two years ago to the day, I wrote the preface to the first Labline magazine in preparation for publication.
At the time I was full of questions: how would a dentistry magazine be received, which had a structure and content such as had never been encountered before anywhere in the world?

Two years have passed since then, and I can say without exaggeration that a huge amount of feedback has been received from all parts of the Earth, from New Zealand to Brazil, and from America to Japan. Thanks to the extremely positive feedback and interest, this Preface can now be read in two languages, in Hungarian and English. Something has happened, which is perhaps without precedent: people have begun to show interest in a professional magazine published in a minority language which is considered "exotic" even in Europe, they have collected the published issues and talked about it in professional passing and in meetings with friends! I have been approached by universities who want to order Labline Magazine to use for educational purposes and for their libraries.

What is this, if not a miracle?
Perhaps all this could also be expressed with a little less pathos: it appears that there is a demand for a dentistry magazine with content like this, which readers are happy to have in their hands as dental technicians and dentists. They can learn from it; it inspires them, recharges them and tells them stories. It becomes clear from the interviews published in the paper, and not just with those in the profession, that the rough road to success cannot be avoided, setbacks are a part of the learning process and the litmus of development! It is worth paying attention to those who have achieved something with their own strength, which could serve as an example to many. The world is large and variegated; we can certainly learn something new from these people, by which we can become greater both professionally and as human beings. We can be enriched by something which will fashion us, make us more open, and may change our opinions and world view.

While compiling and editing the paper I have been party to numerous uplifting experiences like these: I can say that I too have received a great deal from Labline!
Knowledge, friendships, and lots and lots of love. Though I have only acted according to the dictates of the professional experience I have gathered over the years, the knowledge I have acquired, and of course, my heart. I feel that I must thank EVERYONE, that I can take part in a puzzle which is taking on global proportions, in which I have been given the honoured role that dentists, dental technicians and those who have produced eminent creations in other areas of life entrust me with their guarded treasure, which is the outcome of their knowledge. From this variegated, interesting, unique and at the same time unusual wealth, assembled into a unity which I have conceived, Labline is brought forth four times a year.
The authors of the articles most frequently sacrifice their free time or hours they would spend with family in order to forge their experiences into words and to share these with others, and to illustrate them with photographs. In the course of this work, I encounter genuine, profound human virtues day after day, which I thought perhaps no longer exist: for instance, unselfishness. Thanks to the editing process it has also become clear, that in whichever part of the world we live, we all speak one language: the wonderful common language of dentistry. There are no boundaries, no limits! When everything finally comes together it is obvious that we are in relationship with one another: the confusion of Babel ceases, and in inspiring silence, in intimate circumstances a "new"-spaper is brought forth, the name of which is Labline.

The beautiful lines by Hungarian poet Sándor Weöres come to mind:
*"The earth is beneath you, the sky above you, the ladder within you"!*

In the future, I should like Labline to continue helping its Readers to climb ever higher on this imaginary ladder, and to reach the goals they have set for themselves. Since the first steps were taken, two years have gone by in the life of the paper. We are progressively learning the mysteries of how to create a newspaper. Each issue is produced in a unique way. There are no patterns, templates, texts "to be continued", or fixed edited surfaces! In every single magazine we strive to offer more and more, to make the issue in preparation more attractive, more substantial and more interesting. I have seen and experienced how those working in the studio put their heart and soul into the paper with great application and passion, which is reflected in the final result. With their creativity, they contribute significantly to raising the standard of each following issue of the paper in terms of its content and appearance.

I can promise that openness and progressive development will continue to have a place among our most important editorial principles, and I hope with my whole heart that in the future too the newspaper will be loved both at home and abroad! I trust that with the appearance of the English language version, Labline will become an even more up to date professional publication of international standard, preserving its novel viewpoint, and this paper intended to be interesting, substantial and enjoyable will also gain favour with our foreign readers.

If you like the magazine, please recommend it to your colleagues too!
Let's shape a common future together: we should like to welcome you too as an author in the columns of our magazine. In the spirit of what I read in Liv Ullmann's book: *"A person's work is a mirror of life."*

I wish you substantial diversion while reading the paper, and thank you for honouring us by subscribing to it!

LÁSZLÓ NÉMETH

SCHRIFTEN
DES INSTITUTS
FÜR DIGITAL
TECHNOLOGIE
Band 1
Herausgeber
Prof. Dr. Klaus Müterthies

# KLAUS MÜTERTHIES

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Ceiling detail, Lower Manhattan Office, Kohn Pedersen Fox Associates, New York, 1990. Photo: Jeffrey Scott Milstein.

Ministerio de Salud, Dirección General de Salud Pública, Dirección Técnica de Salud Pública, Dirección Técnica de Salud Pública, Dirección Técnica

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**Bronze sculpture by Jan van Schaffelaar**

Jan van Schaffelaar, a Dutch artist, has created a bronze sculpture that stands as a testament to the enduring spirit of the Netherlands. The sculpture, which is a prominent feature in the artist's studio, is a powerful piece that captures the essence of the Netherlands' rich history and culture. The sculpture is a bronze figure of a woman, standing with her arms raised in a gesture of celebration. The figure is dressed in a traditional Dutch costume, with a long dress and a bonnet. The sculpture is a powerful piece that captures the essence of the Netherlands' rich history and culture.

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# MÜTERTHIES COUTURE

Vente n° 2 – 20 – 21 – 22 JUIN

AUTOMNE

2022

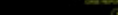
Maison de Ventes Aux Enchères Publiques – Agrément n° 2002-165


CADCAM SYSTEM

Ceramics

# 100% AESTHETICS

SHADE BY CHAPTER
CASE REPORT



With diligence
towards perfection
from Ivoclar

Ceramics | Composites | Cements | Equipment

Prefabricated Zirkon and IPS Empress Ceramics

Zahntechnik

# 100% PRETTAU® ZIRKON

SUCCESS WITH CONFIDENCE
CASE REPORT

Upper & lower set up with software
ProDesk® Bridge Element

Bridge Element is a dedicated module for the design of bridges, crowns, inlays, onlays, veneers, implant abutments and implant bridges. Bridge Element is based on the ProDesk® Dental Suite platform and provides a complete workflow for the design of dental restorations. Bridge Element includes a library of tooth shapes, a library of implant abutments, and a library of implant bridges

The Prestige® Bridge

Prestige® Bridge
Upper Arch
Lower Arch
Occlusal View
Lingual View

THE
PRINCIPLES
OF
TRUST

Transparent security
Driven without compromise

Ceramic tableware, Ceramics Workshop, Kyoto Prefecture

Figure 1. Cast of the Ur-Nanshe foundation tablet, Iraq Museum, Baghdad, Iraq.



Figure 2. Cast of the Ur-Nanshe foundation tablet, Iraq Museum, Baghdad, Iraq.


**Author**

Jeffrey Cooley is a Ph.D. candidate in Assyriology at the University of California, Los Angeles. His research focuses on the Sumerian language and Mesopotamian scribal culture. He has published on Sumerian literature and on the Sumerian language in the journal *Zeitschrift für Assyriologie und vorderasiatische Archäologie*.



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# varia

Instrument for the determination of the Kjeldahl nitrogen according to DIN EN ISO 5983-2

Operating instructions

# An "Impulse" to the Smile



Dr. Ronald E. Goldstein
Dr. Ronald E. Goldstein is a graduate of the University of Pennsylvania School of Dental Medicine and has been in private practice in Philadelphia since 1960. He is a Fellow of the American College of Dentists and a Diplomate of the American Board of Cosmetic Dentistry. He has written and lectured extensively on esthetic dentistry and is the author of Esthetics in Dentistry, 2nd edition, and Esthetic Dentistry and Restorative Dentistry, 2nd edition, both published by Quintessence.



Dr. Gerald Gilbert
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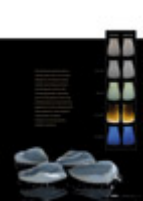


CASE REPORT


IT'S NOT
ENOUGH TO BE
BEAUTIFUL.
Nikon D3X
Nikon D3S
Nikon D4
Nikon D800
Nikon D800E
Nikon D7000
Nikon D5100
Nikon D3100
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Nikon D5200
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Nikon D7100
Nikon D610
Nikon D750
Nikon D810
Nikon D810A
Nikon D4S
Nikon D5
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Ceratopsian dinosaur Triceratops horridus, Hell Creek Formation, Montana, Late Cretaceous period, 66 million years ago. Photo by Ryan Somma, CC BY-SA 2.0.

Ceratopsian dinosaurs were herbivorous dinosaurs with a beak and a bony frill on the back of the head. Most had horns on the face. Ceratopsians lived in Asia and North America during the Late Cretaceous period, 100 million years ago to 66 million years ago. Ceratopsians were a group of ornithischian dinosaurs. Ceratopsians had a beak and a bony frill on the back of the head. Most had horns on the face. Ceratopsians lived in Asia and North America during the Late Cretaceous period, 100 million years ago to 66 million years ago. Ceratopsians were a group of ornithischian dinosaurs

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SCHICK
GUGE


SAM 3E
THE ARTICULATOR

# ADHESIVE CERAMIC RESTORATIONS







Figure 1 Patient presentation. Frontal view (top left), upper arch occlusal view (top right), lower arch occlusal view (bottom right).

Figure 2 Final restorations. Frontal view (top right), upper arch occlusal view (top left), lower arch occlusal view (bottom left).

Ceremonia de entrega de certificados a los participantes del curso de Formación de Formadores, realizado en el Centro de Formación Profesional Minero Metalúrgico de Cerro Negro, Ancash.

Ceremonia de entrega de certificados a los participantes del curso de Formación de Formadores, realizado en el Centro de Formación Profesional Minero Metalúrgico de Cerro Negro, Ancash.

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# FACULTY PROGRAMS: WHAT TO SKIP

Jonathan Bruce

Issue 1
Volume 1
Page 1

**Question** Which faculty programs should you skip when preparing a medical school application, and why?

**Conclusion** Avoid faculty programs that are not directly relevant to medicine, or that do not provide a clear benefit to your application.

**Evidence** Medical schools are overwhelmed by applications. Admissions committees must quickly identify candidates who are well-prepared for medicine. Faculty programs that do not contribute to this end are a waste of time.

## Lab Work

Lab work is a common faculty program. It can be valuable if it is relevant to medicine and if it provides a clear benefit to your application. Lab work that does not meet these criteria is a waste of time.

## Teaching

Teaching is a common faculty program. It can be valuable if it is relevant to medicine and if it provides a clear benefit to your application. Teaching that does not meet these criteria is a waste of time.

## CONCLUSIÓN

Con el uso de la cirugía guiada y el diseño digital de la sonrisa, se logró una rehabilitación funcional y estética en un paciente con pérdida dentaria y reabsorción ósea. La planificación digital permitió una ubicación precisa de los implantes y una restauración provisoria que mejoró la función y la estética del paciente.

## Autores

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Cirujano Dentista
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Especialista en Odontología Pediátrica
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Especialista en Odontología Preventiva
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Especialista en Odontología Hospitalaria
Especialista en Odontología Ambulatoria
Especialista en Odontología Domiciliaria
Especialista en Odontología Carcelaria
Especialista en Odontología Penitenciaria
Especialista en Odontología Rural
Especialista en Odontología Urbana
Especialista en Odontología Indígena
Especialista en Odontología Étnica
Especialista en Odontología Cultural
Especialista en Odontología Ambiental
Especialista en Odontología Laboral
Especialista en Odontología Militar
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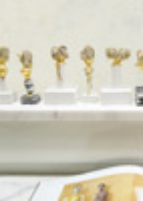

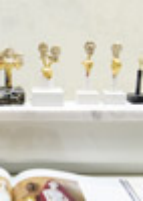

Case Report

# A CASE OF 5 UNIT PALEOPATHIC PORCELAIN VENEERS


Dr. Ashish Bhatnagar
Dr. Ankur Bhatnagar
Dr. Ankur Bhatnagar
Dr. Ankur Bhatnagar


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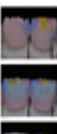
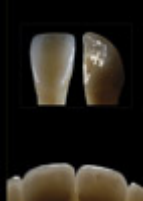
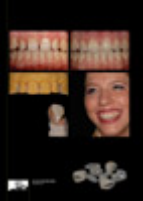


Fig. 3 Final restoration. Note the natural contours of the gingival tissue and the lack of any visible margins. The shade of the restoration matches the surrounding teeth.





# BEING A HERO FOR A WEEK

MELISSA MARSHALL, MARCH 17, 2022

**Gallery**
Gallery of Contemporary Art

**Gallery**
Gallery of Contemporary Art

The furniture
and fixtures
were made
by the
artisans of the
[illegible]

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# DIGITAL DENTAL PHOTOGRAPHY

Dr Ashish Chandra
Dr Ashish Chandra
Dr Ashish Chandra

**Figure 1.** Specimen 1.

| | | |

**Case 2 Pre-treatment and post-treatment**

Pre-treatment and post-treatment photographs of a patient who underwent treatment with Invisalign aligners and Invisalign Smile Makeover. Photographs courtesy of Dr. Ronald Ziegler, Dallas, Texas, USA.




**Author**

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India

**Contact**

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Dental Surgeon
Apollo Hospitals
Jubilee Hills
Hyderabad
India

# Appliance in the Maxilla as a Functional Therapy Appliance

**Dr. Ahmed Ibrahim**
Senior Consultant
Cardiac Surgeon

Dr. Ahmed Ibrahim is a senior consultant cardiac surgeon with over 18 years of experience in adult cardiac surgery, including complex coronary artery bypass grafting and valve repair procedures. He completed his fellowship in cardiac surgery at the Cleveland Clinic and has published extensive research on minimally invasive cardiac surgery techniques. He is fluent in English and Arabic.



**Dr. Sarah Al-Mansoori**
Senior Consultant
Interventional Cardiologist

Dr. Sarah Al-Mansoori is a senior consultant interventional cardiologist specializing in coronary angiography, percutaneous coronary intervention, and structural heart disease. She completed her fellowship at the Mayo Clinic and has published extensive research on minimally invasive cardiac surgery techniques. She is fluent in English and Arabic.

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**Fig. 1 Case 1**

Intraoral photographs before treatment.

**Fig. 2 Case 2**

Intraoral photographs before treatment.

**Fig. 3 Case 3**

Intraoral photographs before treatment.


BLUE
PRINT
FOR SUCCESS

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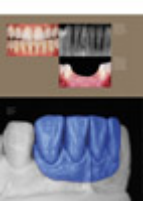

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# Gingival Hyperplasia Induced by Lithium Carbonate: Case Report

Ana Cristina Rodrigues Lima, Ana Paula Rodrigues Lima, Ana Carolina Rodrigues Lima, Ana Beatriz Rodrigues Lima, Ana Luiza Rodrigues Lima, Ana Maria Rodrigues Lima, Ana Rosa Rodrigues Lima, Ana Sofia Rodrigues Lima, Ana Teresa Rodrigues Lima, Ana Victória Rodrigues Lima, Ana Vitória Rodrigues Lima, Ana Zélia Rodrigues Lima, Ana Zenaide Rodrigues Lima, Ana Zenilda Rodrigues Lima, Ana Zenobia Rodrigues Lima, Ana Zenon Rodrigues Lima, Ana Zenóbia Rodrigues Lima, Ana Zenóbio Rodrigues Lima, Ana Zenóbio Rodrigues Lima, Ana Zenóbio

## Sample Prep

Sample preparation is a critical step in the analytical process. Our sample preparation equipment includes a variety of grinders, mills, and homogenizers designed to prepare samples for analysis in a consistent and efficient manner.



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Sample Preparation
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Sample Preparation

labline

# MEDIA OFFER

## Contents



## Introduction

Welcome to our Media Offer. We are a leading company in the field of laboratory equipment and supplies, with a wide range of products and services to meet the needs of our customers. We are committed to providing high quality products and services, and to building long-term relationships with our customers. We are also committed to supporting the scientific community and to contributing to the advancement of science and technology.

## Profile

| | |
|---|---|
| Name | Labline |
| Type | Laboratory equipment and supplies |
| Industry | Scientific research, education, healthcare, pharmaceuticals, biotechnology, food and beverage, environmental testing, forensics, chemicals, petrochemicals, mining, metallurgy, construction, agriculture, aquaculture, veterinary medicine, defense, aerospace, automotive, electronics, telecommunications, energy, utilities, transportation, logistics, manufacturing, retail, wholesale, consulting, engineering, design, construction, maintenance, repair, training, education, consulting, engineering, design, construction, maintenance, repair, training, education |
| Founded | 2000 |
| Headquarters | Cairo, Egypt |
| Employees | 100-200 |
| Revenue | $10-$20 million |
| Website | www.labline.com |
| Social Media | LinkedIn, Facebook, Twitter, Instagram, YouTube |
| Mission | To provide high quality products and services to meet the needs of our customers, and to build long-term relationships with our customers. We are also committed to supporting the scientific community and to contributing to the advancement of science and technology. |
| Vision | To be the leading company in the field of laboratory equipment and supplies, with a wide range of products and services to meet the needs of our customers. We are also committed to providing high quality products and services, and to building long-term relationships with our customers. We are also committed to supporting the scientific community and to contributing to the advancement of science and technology. |
| Values | Quality, Integrity, Innovation, Customer Focus, Teamwork, Respect, Diversity, Sustainability, Social Responsibility, Ethics, Transparency, Accountability, Leadership, Excellence, Learning, Growth, Development, Partnership, Collaboration, Communication, Trust

DAY

BUDAPEST, 1st MAY, 2018