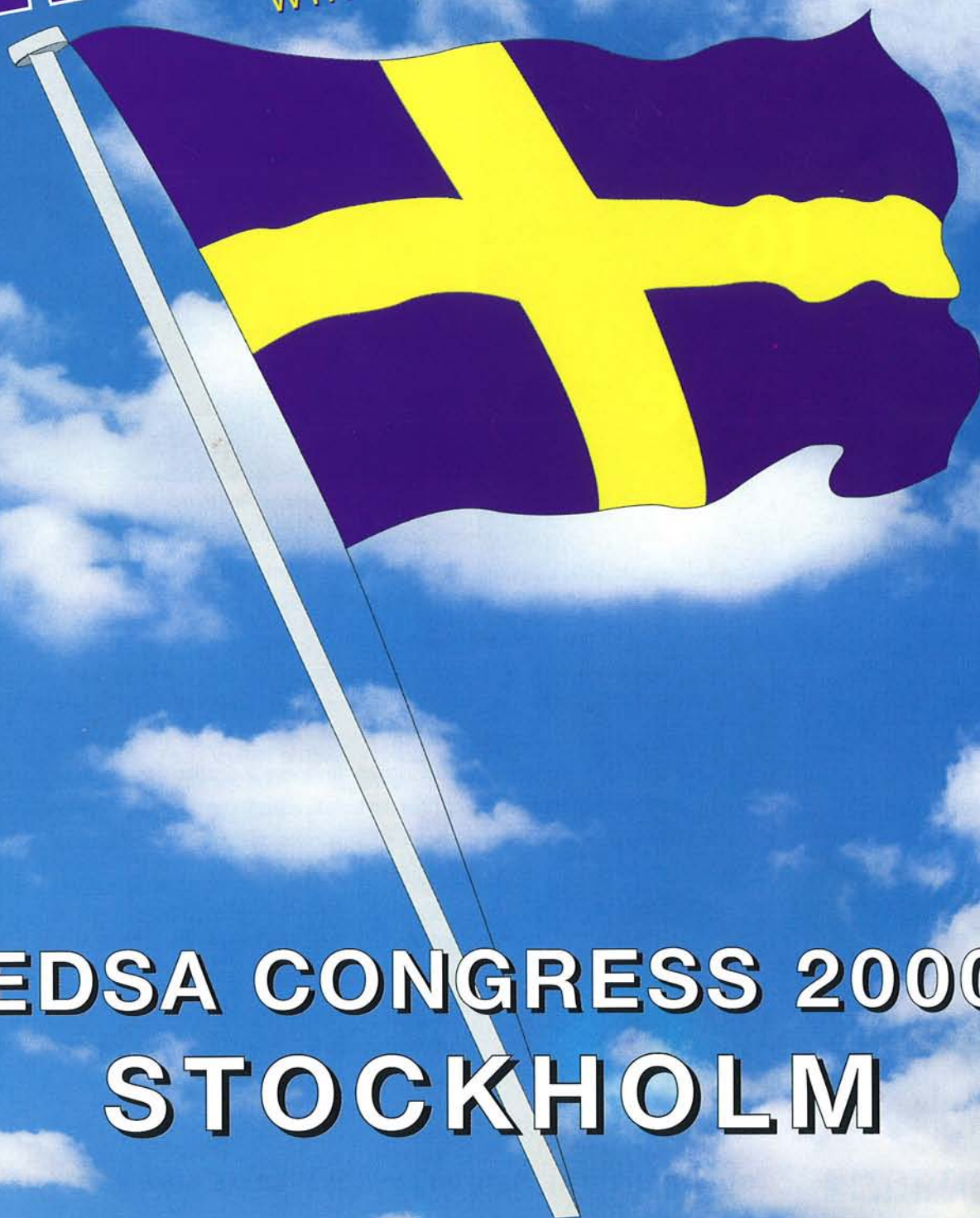




EDSA MAGAZINE

WINTER 1999/2000



**EDSA CONGRESS 2000
STOCKHOLM**

Quadrant: From sticky to simple

The arrival of Quadrant means that many of the negative aspects of composites are now things of the past. Quadrant is in fact a compoplus. Actually a composite package with plus-points. One of which is that Quadrant can be applied

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QUADRANT

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EDSA: THE FUTURE IS YOURS

Proudly we can present you this new edition of the EDSA Magazine - the first issue of this century.

During these months, people start to look back and forward. Looking back at the mistakes or at the good things they have done and they are already very busy with the coming future. Did your computer survive new years eve and will your drill still turn in the new millennium? Many questions



The new EDSA Magazine team. From left to right: Casper P. Bots (The Netherlands), Vasia Karathanasi (Greece), Declan Furlong (Ireland).

which can be heard around you. But you are strong and you have no doubt about the things to come. "The future is mine", do you think. What does the European Dental Students Association have to offer to you in 2000?

First of all, you can read in this magazine what we are doing: which projects we have done, which shall be continued and what our goal is for the coming years. We are happy that most of our projects have been successful and have contributed to the benefit of many dental students in Europe. At page 9 and 10 you can have a look in the future and read about all the plans and ideas that have been launched during our last delegates meeting in Dublin. Besides that, you will be able to travel to Athens ... You will go to the dental faculty, have a look at the clinics and meet the students in our "dental school

presentation". The EDSA is very glad to announce to you the Students Science Section. We challenge you to send your scientific work (many students are active in this field during or besides their studies) to the EDSA Head Office in order to have it published in the next EDSA Magazine.

As a dentist, you need to have an attitude of "continuous educational learning". Once you are a dentist, it is very important to keep up with all the rapid developments in the dental area. So, work on your attitude and send your work to us! More and more, the EDSA would like to be a platform for YOUR opinion. The only way to reach this goal is to meet you. We want to meet you and to get in touch with you. This can be done through our updated and complete webpage at Internet:

<http://edsa.globaldent.com>

Besides that, we are looking forward to meet you at the next EDSA Congress in Stockholm, Sweden. Go to the city of thousand islands and discover dentistry, Swedish students, the European spirit and life in Sweden. This event will take place in October 2000. Be there!

Concluding, I would like to say, that I'm very glad with my successor, the new editor Vasia Karathanasi from Greece and the great help of Declan Furlong from Ireland. As you can see, the EDSA is everywhere in Europe, so don't miss us and get in touch with the EDSA.

Casper P. Bots EDSA Immediate Past President
Co-Editor, The Netherlands

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Imprint

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WELCOME TO THE 4TH CONGRESS OF THE EUROPEAN DENTAL STUDENTS ASSOCIATION 2000 IN STOCKHOLM

EDSA Congress 2000 in Stockholm



The Town Hall of Stockholm.

The Swedish dental students are very happy to invite you to the 4th Congress of the European Dental Students Association. After Amsterdam, Athens and Barcelona, we will move to the Scandinavian world!

The congress will take place in the beautiful capital of Sweden from 25 - 29 of October 2000.

Stockholm is called the city of thousands of islands. This con-

gress is very important for you and the Swedish Dental Students Association (STUD), because it is a start of a new millennium. It will lead to new times, new needs, new solutions, new challenges ...

We are convinced that it is time for some new changes, for starting a discussion about our vision of our profession and about how we want the future to be. We are living in an united European society and this congress will be the perfect place for such a debate. The EDSA congress will take place at the same time as the annual Swedish Dental Exhibition. We will have a very good scientific programme which allows you to have access to distinguished professors from many different universities and countries. A lot of social activities will be organized in between the meetings and lectures.

At this moment, we are busy with arranging as much sponsorship as possible to reduce the costs of this meeting for you. The aim of our work is to



make it possible for the most European dental students to take part in this congress. This will also be a great opportunity for us all to get together and meet each other. Write the dates down in your diary, start to save some money and be prepared for the week of your life.

"If we are the future, then let it be the ones who are making it".

We are looking forward to welcome you in Stockholm soon!

Orang Dadashian

President of the EDSA Congress Committee,
Stockholm, EDSA Sweden



Gamla Stan, the „old city“, romantic and cosy.

UNIVERSITY OF ATHENS

Dental Faculty Report

The Dental Faculty is one of the oldest of the University of Athens. Once being incorporated with the Medical Faculty, but since 1970 an independent faculty. It is situated in the University Hospital. The school consists of two buildings which provide ergonomically the main services to under-graduate, as well to post-graduate students. Covering also the needs of research and administration.

The curriculum is structured into five years of studying, with the academic courses being partly biomedical and medical, which are taught in the corresponding departments and hospitals of Medical School. The general and special dental courses are divided into the four following departments:

1. Department of Social Dentistry (orthodontics, pedodontics, preventive dentistry),
2. Department of Pathology and Therapeutics (dental surgery, endodontology, periodontology),
3. Department of Prosthetics (removable prosthodontics, fixed prosthodontics, biomaterials),
4. Department of Oral Pathology and Surgery (stomatology, oral and maxillofacial surgery, diagnostics and radiology).

The first two academic years are dedicated to general medicine, while some general dentistry courses are introduced. In the third academic year, the students deal with most dental issues in



Greece dental students are active at the pediatric department.

the laboratory level. During the first three years, medicine courses are gradually diminishing, while dental courses are increasing. When students enter the fourth and the fifth year – which are the clinical ones – they treat patients on an every day basis.

Dimitris, a third year dental student gives us his opinion about every day life in our school:

"8.00 a. m.: Students arrive at school from all over Athens by different transport facilities, each one feeling like small Ulysses approaching his Ithake of knowledge!"

Once you pass the main entrance of school, the first thing you notice this morning is an intense activity of students running to their labs and others welcoming patients with a smile. No one can deny that dental studies are among the most demanding ones. So, which is the most common place to meet somebody during ... his unique moments



Modern dental equipment at the University of Athens.

of high level concentration? The library of course, where there are over 2000 volumes of books and 4000 volumes of articles. You can also meet many students working in research programmes in front of their personal computers ...

Our bar is a great "temple of pleasure", relax and - why not? - FLIRTING!! Playing cards, tasting favourite sandwiches and chatting with other students may be the best way to give an end to a very active day in school! ..."

Coming to an end, we must highlight the fact that apart from the indispensable scientific knowledge required for the practice of general dentistry and given by our school, also certain characteristics like: solid

biological base, preventive direction, social sensitivity and appeal for constant awareness of up-to-date scientific matters are incorporated in our study. This approach makes the graduate of the Athens Dental Faculty an integrated scientist and the person who offers his service to the society as well.



Vasia Karathanasi
Kostas Bouras
Dimitris Makedonas
Athens, EDSA Greece

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NEWS FROM THE EDSA

From the Immediate Past President

Twice a year, the EDSA is organizing a meeting in which all delegates from Europe meet together. Last autumn, the XXIV EDSA meeting took place in Dublin from 23rd till 26th of September 1999.

Our great organizer Declan Furlong welcomed us at Trinity College Faculty. The hospitality of Professor Shanley, Dean of the faculty, will be remembered in the future. This meeting had been very important for the next five years of the EDSA. The major topic of this meeting was to draw a well-designed plan for the next five years, which worked out well. Together with all the present delegates, it was decided that the EDSA would like to grow - more and more - towards a "dental discussion platform". The following statements were made.

The vision of the EDSA is:

1. to represent the European dental students' interest,
2. to be a discussion and opinion platform,
3. to stimulate continuing education,
4. to encourage the ERASMUS programme,
5. to stimulate contacts with other associations (dental / professional students').

How are we, together with you, able to reach these goals? First of all, we would like to use all the new media tools to collect your voice and your opinion. So, you can start surfing already now to our website: edsa.globaldent.com
[Note: Don't use www before the address, http:// is enough!]

This website will be the major meeting place for you. We will organize a discussion area, a chat area, a bulletin board and more. Documents will be published and projects are running through the web. At the website of the EDSA you can find your country representative. In case that your country is not represented, just send us an e-mail and we will take care that you will be able to get involved. In the EDSA, we try that all the delegates are members of the National Dental Students Association.

EXECUTIVE COMMITTEE



Trinity College Dublin.

Your national association sends a delegate to the EDSA. Through this system we try to represent as much dental students as possible.

Besides the website we want to meet you personally. How do we do this? By organizing our EDSA congresses. The next congress will be in Stockholm. You can read more about this meeting at page 5. We are looking forward to see you in Stockholm, in October 2000.

The ones who have been at the EDSA Congress in Athens or Barcelona know where we are talking about. Days of fun, meeting more and more nice people, getting inspired for dentistry and floating on the European spirit. Don't miss it!

An other big issue is the contact with other associations. At this moment the EDSA has build up good relations with:

- ▶ the European Pharmaceutical Students Association
- ▶ the European Medical Students Association
- ▶ the International Dental Students Association
- ▶ the Association of Dental Education in Europe (A.D.E.E.)

- ▶ the "Federation Dentaire Internationale" - European Region Organization
- ▶ the World Health Organization.

We are looking forward to get in closer contact with many other European organizations, either in the professional scene or in the students area.

Inside the EDSA Executive Committee some changes have been made. Nathalia Porras Leal from Barcelona, Spain, is the new EDSA President 1999-2000. We are very pleased to have now: our "first lady", Orang Dadashian from Stockholm, Sweden, is our brand-

new Vice-President. He has been very active in the National Swedish Dental Students Association, and we are looking forward to the 4th EDSA Congress, which will be organized under his supervision. If you have any questions or if you want to receive our constitution or other information, contact our General Secretary: Kostas Bouras in Athens, Greece.

Our central address is the EDSA Head Office, located at the K.U.N. in Nijmegen, The Netherlands. We are looking forward to hear your opinion, to make your voice heard and to meet you! See you in Stockholm.

Casper P. Bots
EDSA Immediate Past President
Amsterdam, The Netherlands



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THE SUCCESS OF THE EDSA SURVEY

For many decades, students have tried to have their voice heard by the deans and professors. Many ideas came up and were created, we have an opinion but it was never structured in a way it could be presented. Thus, with many ideas from the side of the students - and because nobody could be better express the students than themselves - the EDSA undertook the task to make the students' voice on dental education widely heard!



The questionnaires were initially analysed in Athens during the hot summer of 1999 and the main results formed the basis of the EDSA key presentation during the XXV Congress of the Association of Dental Education in Milan.

Our presentation lasted over 30 minutes and addressed to the audience consisting of the finest academics and professionals in dental education from all over Europe. Apart from presenting the survey results, we had the chance to talk in brief about our association, our activities and goals as well as our other projects. The presentation provoked a lot of discussion and attracted many

favourable comments, achieving our main objectives that were to carry out the voice of students on dental education and attracted attention of the academic community on our potential!

The next step will be to complete the results and conclusions from the survey published, so that our work will be acknowledged by a wider audience, even wider than the borders of Europe. However, this is a task that will take a lot of extra work and time. The advanced statistical analysis procedure has already started in Malmö and soon you will have more news in a coming issue of the EDSA Magazine!

To close with, I would like to thank all the EDSA delegates and associates that worked hard during last year to make this survey true. Also thanks to the hundreds of students who have completed the questionnaire. It would have been nothing without you. Congratulations on a very well done job!

Nikos Mattheos
EDSA Past President
Malmö, Sweden

e-mail: nikolaos.mattheos@od.mah.se

Association for Dental Education in Europe
XXV ANNUAL MEETING
A New Dentist for a New Century
Milan, Italy, September 2-4, 1999 - University of Milan, Aula Magna

VIRTUAL CLASS-ROOM PROJECT

TWO YEARS OLD!

From Baby to a Promising Childhood

"Yes, it is true! One more EDSA project, born as a crazy idea two years ago, stood up and already made it's first steps last year. The Virtual Class-room Project is now in the beginning of the third year and entering a very promising childhood!"



The Virtual Class-room reached every computer in the world, also this office.

In a rapidly changing world, technology and communication is bound to dramatically change the way we learn in the near future. The potential of the Virtual Learning Environments is huge and they will definitely affect the future of higher education. The initial idea to structure a Virtual Learning Environment for the dental students of Europe bear fruit and brought together 28 students from all over Europe in a multimedia classroom directed by some of the most qualified academics! The first year of the Virtual Class-room Project marked our first shy steps on an unexplo-

red land, with a lot of doubt, delay, some mistakes, but also lots of fun, a great team spirit and the rewarding experience of being a pioneer, sailing in uncharted waters! The first circle was concluded early last summer as the exams were approaching for most students and a long period of evaluation started. Looking back to this experience of the past year, there is a lot we have learned and a whole new understanding we developed, regarding the Virtual Learning Environments and their possible contribution to dental education.

This experience we shared will be soon published and will serve the basis for our future steps and projects in this field!

So, keep your eyes open for „The EDSA Virtual Class-room - Next generation is coming soon to a screen near you!!

Nikos Mattheos
EDSA Past President
Malmö, Sweden



Europe's first dental "Cyberstudents" together with Professor Attström at the workshop in Barcelona.

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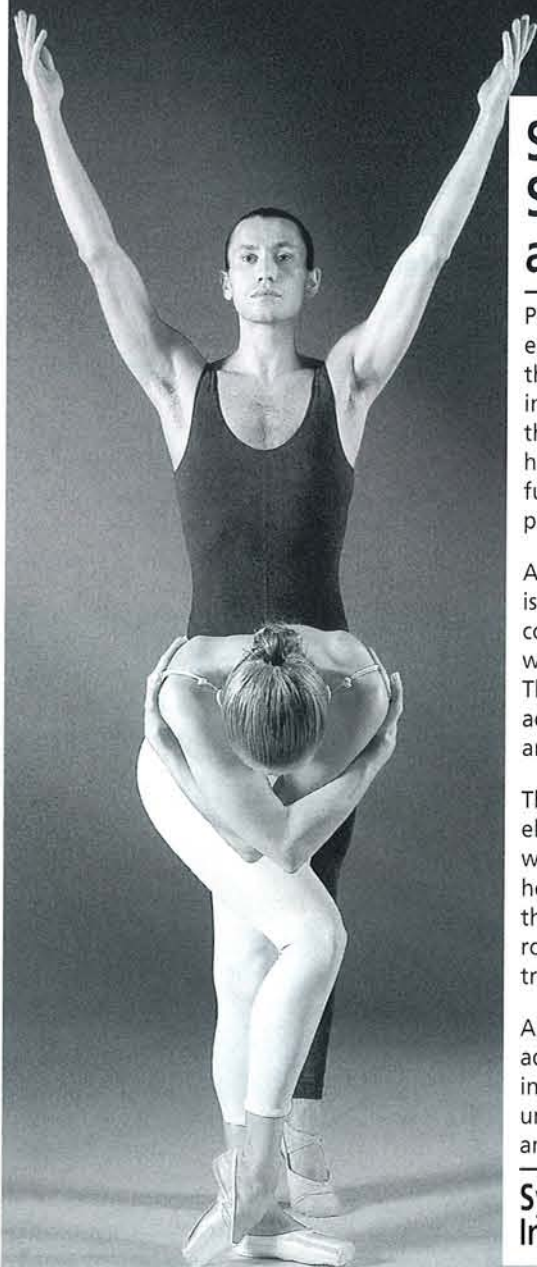
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Perfect design is based upon years of experience and precise knowledge of the requirements for a dental instrument. With the development of the new Synea LS, W&H has created a handpiece generation in which function and design are together in perfect harmony.

An important feature of the Synea LS is its monobloc design. The integral construction provides an instrument with excellent hygiene standards. This design offers substantial advantages over instruments with an interchangeable head system.

The ergonomic shape and innovative elliptical grip guarantee stress-free working and safe handling. A slim head provides an excellent view and the compact glass rod is extremely robust and provides powerful light transmission.

All these features and many other advantages make the Synea LS an instrument range of previously unknown standards for function and durability.

Synea LS.
In a class of its own.



Ask for further information on the new Synea LS handpiece generation from your dealer.



DENTALWERK

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<http://www.wnhdent.com>

QUADRANT UNIFIX AND COUPLING SYSTEM

Quadrant UniFix

Quadrant UniFix is a self-cure dental adhesive cement containing the bonding monomer 4-META and a catalyst TBB. It bonds to tooth (enamel and dentine), metal, porcelain, and dental resins.

Quadrant UniFix Cement is primarily recommended for the cementing of restorations such as inlays, onlays, crowns, and bridges, preformed or cast posts, and cores, periodontal splints, direct and indirect adhesion bridges, orthodontic brackets, and retainers.

Biocompatible

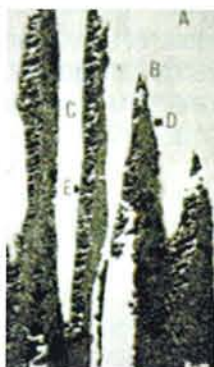
The optimized polymerization process involving almost complete conversion of the monomer affords a highly biocompatible material.

The unique UniFix Starter initiates the polymerization process at the interface between the UniFix and the dentine, influenced by the permanently present water. The cement will shrink toward this interface while the hybrid layer remains intact, which ensures dentine sealing. This mechanism allows optimum pulp protection, which means that Quadrant UniFix Cement can be applied without a liner, i. e. directly into the vital dentine.

4-META

The adhesive monomer 4-META, component of Quadrant UniFix Cement, which exhibits a hydrophilic as well as a hydrophobic group, is responsible for the adhesive strength of this material with regard to dentine. The hybrid layer that is thus created

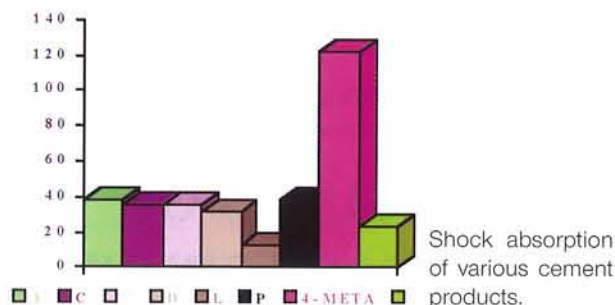
completely seals off the dentine and thus offers protection from postoperative sensitivity and secondary caries.



- A TEM picture showing the interface between UniFix Cement and dentine (after Conditioner treatment).
- A cured UniFix Cement
 - B hybrid layer
 - C resin layer
 - D intertubular dentine
 - E peritubular dentine

Shock Absorption

Quadrant UniFix Cement contains no filler and is an elastic material. Due to shock absorption, this material will fracture and thus debond much less easily than filler-containing, brittle cement.



Quadrant Coupling System

Quadrant Coupling System consists of Gold Coupling Agent and Porcelain Coupling Agent. Both products are suitable for extra-oral and intra-oral use and can be used together for repairs of e. g. porcelain-metal crowns.

Gold Coupling Agent

Gold Coupling Agent is a one-component primer for bonding to precious metals (including Au/Ag/Pd alloys). It is based on the newly developed adhesive monomer called "VTD", a derivative of triazine dithiol. A single coat on precious alloy with Gold Coupling Agent prior to application of Quadrant UniFix improves the durability of the bond. Gold Coupling Agent eliminates the need for other bond-enhancing steps, such as heat treatment or tin-plating.

Quadrant UniFix does not need any of such pretreatments for non-precious metals thanks to the presence of oxides on the metal surface.

Porcelain Coupling Agent

Porcelain Coupling Agent is a silane coupling agent for porcelain surface. Application of the product on a porcelain surface before bonding with a dental adhesive resin cement such as Quadrant UniFix will improve the bond strength and durability.

YOUR SCIENTIFIC WORK CAN BE PUBLISHED

This page is specially reserved for you. We would like to offer the possibility to send your research work as a student to us. We will make an abstract of it and people who are interested in it will be able to obtain the full print of your work at the EDSA Head Office. The full article will also be published at the EDSA website: **edsa.globaldent.com**. If you want to have your work published, the only

thing you have to do is to send your article (in English) to the EDSA Head Office. The EDSA Magazine editors will select the most suitable articles which will be published in the next edition.

Grasp this chance and do it today. We and the other students in Europe are looking forward to your work!

THE RESULTS OF A DECAY PROPHYLAXIS PROGRAMME

Chifor, Ionana; Anghel, Gabriela, Zah, Ioan-Adrian; Bud, Marius. EDSA Magazine, Winter 1999; 16. Dental Faculty Cluj-Napoca, Romania

Abstract

Purpose: The aim of this study is to evaluate the necessity and the efficiency of a programme of dental prophylaxis for children. It should also prove that the dental prophylaxis must be done by specialists (dentists / dental students).

Methods: Dental students examined 360 children and calculated the plaque indices (PI) for each child. The pupils also filled in five questionnaires. The results were summarized in two tables which reveal the oral hygiene degree of each group, before and two weeks after teaching the lessons of oral health maintenance.

Results: Significant differences were detected between the children of the classes where the lessons included:

- Only tooth brushing methods (which is similar to the dental prophylaxis done in the family)
- Dietary counselling and tooth brushing methods (similar to the prophylaxis done by the dentist)
- Brief notions about the oral anatomy and functions of the teeth and of the tongue, the oral diseases etiology and the decay prevention means above mentioned (this is the information actually

taught by the dental students involved in the Dental Prophylaxis Programme.)

Discussion: Increase of the decay incidence is probably due to both genetic and mainly environmental factors. An inappropriate diet and poor oral hygiene could be improved. So, we consider this programme as necessary because the dental prophylaxis done in the families is not sufficient. The teachers should be persons from the dental field, who could explain the main motivations and methods of oral health maintenance.

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MOST FAMOUS TEETH IN ROMANIA

Dracula's Story

You are probably wondering: how can teeth be famous? Or why are they famous? Which ones do they mean? And how many teeth are famous? He was Vlad Dracul's (devil) son, that is why the legend called him DRACULA, a celebrated name around the world.

His real name was Vlad Tepes, [Vlad the Impaler] named so because he used to punish robbers, liars or any kind of "sinners" by impaling them. He ruled between 1456-1462 over a land stretching out from the Southern Carpathians to the Danube. Vlad Tepes actions made him famous in the whole Christian Europe, for his campaign against Muhammad II.

While the anti-Ottoman campaign turned him to a hero of the Christian world, the victory over the Saxons made him become along the centuries the most popular character of the vampire stories. The Saxon stories dating from the 15th century presented him as sadistic, thirsty for human blood and particularly inventive in tormenting people to death.

The legend of the mysterious prince keeps on living inside of his castles in the Carpathians, hidden by forest and rocks.

One cannot visit Dracula's castle without feeling a shiver and the excitement of getting to know a part of what is so called ... DRACULA.

Gabriela Anghel
Marius Bud
Cluj-Napoca, Romania

WARNING!! Dracula's successors (and especially dental students) may preserve some recessive genes.

THOUGHTS ABOUT THE FUTURE ...

It seems only yesterday when I registered to the Dental Faculty of the University of Athens in 1996 and now I am about to start the 4th year of my studies. The truth is that time passes so quickly that we can hardly realise the constant changes of ourselves.

There is one more observation which shouldn't be ignored: all changes are always adjusted to the demand of each period of time. It is a general rule that applies to each person and each situation. The dental profession and its "servants" are not an exception to this rule. The dental profession is also a subject of constant changes. More specifically, today the modern dentist shouldn't be considered as the lonely and miserable scientist of the "4-walls, prison-like, medical office". The dentist of 2000 is sociable and open to the new challenges offered by the technology and the new established status-quo.

Besides that, Aristoteles, the great Greek ancient philosopher declared: "Man is exclusively a sociable being", so dentists should not be isolated. They ought to be aware of the simple human needs and worries. Scientists must feel the daily rhythm of life, otherwise their discoveries are meaningless.

Dentists have already started to realise that they need each other in order to offer dental aid on a scientifically correct base.

The "dental practitioner" belongs to the past. Now the "dental scientist" has taken over. It is widely known that science can be promoted or correctly applied only after COLLECTIVE efforts and testing. The participation in international congresses, the constant exchange of knowledge and the sharing of thoughts compose - in combination with the different values of each of us - the profile of the dentist of 2000.

I guess that this humanistic criterion which remains untouched through the centuries, will remain for ever.

Vasia Karathanasi



NEWS FROM THE NETHERLANDS

Just before the summer holiday 1999, over 80 students from the three different dental faculties in the Netherlands gathered in the North of the Netherlands, in the province of Friesland for the first SISO SAIL (SISO is the name of the Dutch Dental Students Association). Everyone was ming-

led and placed at one of the sailing boats. The target was one of the islands along the beautiful coast called Terschelling. After one day sailing in the sun without wind, this goal was reached and the integration continued ... The next day, the wind came, the waves came and we were almost flying back to the coast. Everyone who participated left with an unforgettable experience and is longing for the next event; the 2nd National Congress of SISO in May 2000.

Olga Iankovitch
Amsterdam, EDSA The Netherlands

NEWS FROM THE CZECH REPUBLIC



Dear friends,
at the beginning of last February, I participated in the XXIII Meeting of the EDSA Executive Committee in Berlin. I didn't know a lot about the activities of the EDSA, but I was surprised how good they are organized and how many great people I met. After my return home, me and my friend Petr Mastny decided to establish a dental students association in our country. We worked out a programme, contacted all the important persons at our dental faculty and found out how to register at our Ministry of Internal Affairs. Then we found

out that such an organization was already registered and established in April 1998. After one week we contacted the President of this organization called Union of Dental Students (U.D.S.).

It has 25 members and all of them are students of the Medical Faculty in Prague. They arrange lectures for students and take care of internal problems at their faculty. Next week I'm going to meet their president, then join them and together with them join the EDSA soon.

It is an exciting time and I am very glad to see that because of the EDSA the dental students in the Czech Republic get closer and closer towards each other. Have a great time.

Jiri Zvolanek
Pilsen, EDSA Czech Republic

NEWS FROM THE 20TH WORLD MEDICAL GAMES

This year the 20th World Medical Games took place in St. Tropez. More than 2.500 participants out of the medical field from every part of the world gathered for one week to show their quality in 25 different disciplines. Sailing, windsurfing and horse riding are back in the programme and badminton makes its first appearance. This sportive event was open to doctors, dental surgeons, pharmacists, veterinary surgeons and students in their

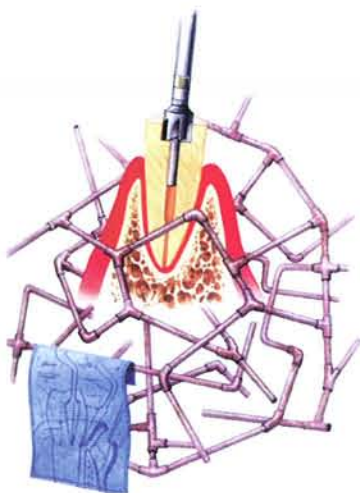
final year. Next time, you can be there, so check out the Internet site: www.medigames.com or e-mail: info@medigames.com, be prepared and start stretching your legs.

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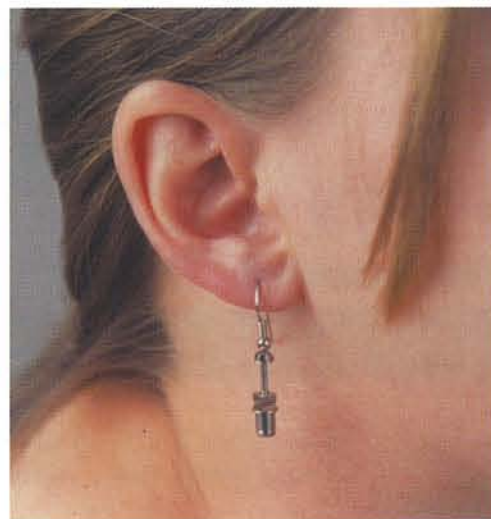
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