June 15-18, 2011 Athens, Greece

Interdisciplinary Approach to Paediatric Dentistry

Program
23rd Congress of the International Association of Paediatric Dentistry

June 15 - 18, 2011
Athens, Greece

PROGRAM

Chair Local Organizing Committee
Prof. Lisa Papagiannoulis

UNDER THE AUSPICES OF

Ministry of Health
Athens University School of Dentistry
City of Athens
Hellenic Dental Association
Athens Dental Society
As a leading innovator in dental products, 3M™ ESPE™ Stainless Steel Crowns provide reliable solutions that dentists have trusted for decades.

Backed by numerous independent clinical studies since 1984. 3M ESPE offers a full line of prefabricated stainless steel crowns. They are a proven method of single-unit temporization for both short- and long-term coverage.

Features and Benefits
- Pre-trimmed, belled and ready for final crimping which provides good retention and a “snap” fit
- Life-like height, contour and occlusal surface
- Excellent strength and wear resistance
- High quality stainless steel

“I know of no dental restorative product that has more “clinical sense” built into it than the 3M ESPE Preformed Stainless Steel Crowns. The axial contours, occlusal anatomical form, full range of sizes, and remarkable value, make these crowns one of the best restorative products ever produced for dentists. When used with RelyX™ Luting Cement from 3M ESPE, I have had great success with these crown forms and consider them indispensable.”

Theodore P. Croll, D.D.S.

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Το θεραπευτικό Πρόγραμμα "Clown Doctors" του Σωματείου "Φίλοι Κοινωνικής Παιδιατρικής - Ανοιχτή Αγκαλιά" είναι ένα πρόγραμμα υποστήριξης νοσηλευομένων παιδιών που λειτουργεί σε παιδιατρικά νοσοκομεία του Λεκανοπεδίου Αττικής. Πρωταγωνιστές του προγράμματος, οι Clown Doctors, εξειδικευμένοι επαγγελματίες οι οποίοι σε συνεργασία με τις νοσηλευτικές ομάδες, μεταδίδουν το χαμόγελο και τη χαρά μέσα από στιγμές παιχνιδιού, τόσο στα παιδιά όσο και στους γονείς τους.

Η Alpha Bank, επί σειρά ετών, στηρίζει το πρόγραμμα "Clown Doctors" με στόχο να επεκταθεί και στις ακριτικές περιοχές της χώρας.

Μαζί, ο κόσμος γίνεται καλύτερος.
Effective total health care of the child: How to establish healthy tooth brushing in your child patients

23rd IAPD Athens, 15 - 18 June 2011

Visit us in Unilever Booth at Level 0 - Muses Foyer for more information and material

Lunch and Learn Session

“Brush Day and Night: Effective Ways to Deliver the Message in Practice”

HALL MC3
Saturday 18th June
13.30-14.15

Speaker: Andreas Agouropoulos DDS, MSc

It is very well documented that brushing with fluoridated toothpaste is an effective and safe method for caries prevention. Although this is very well known, data show that children do not brush their teeth appropriately. Changing habits can be very challenging in every day practice, for dentists who treat children. Using the tools under the theme “Brush day and night” by Unilever, the message can be delivered easier, in a more fun way. This can be done at a one to one basis in the dental office, or at the community with outreach programs. In this presentation, practical problems in delivering the message “Brush day and Night” will be discussed and solutions for overcoming them will be suggested using the appropriate tools.

FDI recognizes that twice daily brushing with a fluoride toothpaste is beneficial to oral health
On behalf of the Board of Directors, it is with great pleasure that I welcome you to the 23rd Congress of The International Association of Paediatric Dentistry, hosted by the Hellenic Society of Paediatric Dentistry in Athens, Greece. The IAPD is an organisation which has grown significantly over the last few years and represents the interests of all members of the dental team who are interested in the oral and dental health of children.

Every two years we host a congress and this gives all members of the Association the opportunity of assembling in one place to listen to wide range of lectures and presentations from keynote speakers from around the world, as well as the many hundreds of presentations and posters from members of our association. At the time of writing there are almost 1300 registrants and over 700 papers. This is a fantastic endorsement for us and demonstrates that our discipline is healthy and vibrant. A large proportion of the participants are students and junior dentists in training. It is important that our trainees have the opportunity to take part in these congresses since they are the future of our discipline.

The local organisation team have worked extraordinarily hard to make this a memorable congress. The scientific programme is designed to satisfy the interests of all of us, and also to give us time to continue the discussions in less formal surroundings. The team have also put on a wide range of social events which give us all the opportunity of mixing and catching up with old friends as well as the best opportunity of making new friends.

Enjoy the congress, and over the next few days I hope to be able to meet and speak to as many of you as possible.

Professor Mark Hector
President of the International Association of Paediatric Dentistry

Dear Participants of the Athens 23rd IAPD Congress

It is my great pleasure to welcome you on behalf of the National and Kapodistrian University of Athens, the oldest Higher Education Institution in Greece.

I consider a great honor for the Athens University that the International Association of Paediatric Dentistry (IAPD) has decided to hold its 23d biennial Congress in Athens, recognizing the excellent level of pediatric dentistry in this Country, a level to which our Athens Dental School has contributed immensely.

The Hellenic Society of Paediatric Dentistry (HSPD), who was trusted with the organization of this congress and is doing so in collaboration with the Department of Paediatric Dentistry of our University, was founded in 1961. This year this Society celebrates 50 years of active presence in the field of oral health care for children, adolescents and special patients in our Country.

The long and uninterrupted contribution of HSPD in the improvement of the oral health of children and adolescents has been recognized by The Academy of Athens who awarded the Society their diploma of Honor.

The good collaboration of the Department of Paediatric Dentistry with the HSPD had as a result Paediatric dentists and general practitioners to improve significantly the oral health of children’s population in Greece as it was found in a recent epidemiological survey.

Our University is very proud for the education level of the Athens Dental School. The Dental School has been evaluated twice by an international committee and is accredited as one of the best Dental Schools in Europe. Furthermore the Post Graduate program of the Department of Paediatric Dentistry has been evaluated according to the Post - Graduate Education standards of EAPD and is recognized as an accredited specialist education program in Paediatric Dentistry from 2002 up to 2015.

The 23rd IAPD Congress has a very interesting scientific program which has been designed in a way that the obtained knowledge could be directly incorporated into the everyday clinical practice.

I wish you a very profitable participation in the Congress and a very pleasant stay in Athens.

Professor Theodosios Pelegrinis
Rector of the National & Kapodistrian University Of Athens
It gives me indeed real pleasure but also great honor, as President of the Hellenic Society of Paediatric Dentistry, to welcome you all in Athens for the 23rd Congress of IAPD.

Athens, being one of the most historical and beautiful capitals in Europe, is one more time ready to offer all our guests unique and exciting feelings. History, culture, science and academia, mediterranean character, entertainment and gastronomy, tradition and modernization, natural scenery by the sea and world known hospitality, would combine resulting to an unforgettable experience.

The scientific program of the Congress, including the most contemporary and ‘hot’ subjects of our specialty presented by internationally distinguished colleagues would significantly advance our scientific knowledge. In addition to the guided program, 766 abstracts, the greatest ever number for such an event, would keep up updated with new developments all over the world in areas related to our profession.

All the above were made possible following the unprecedented effort of the sixteen members of the local organizing committee, under the inspiring leadership of Professor Lisa Papagiannoulis and the touching response from all our colleagues and friends all over the world. I wish to thank them all.

This year together with the 23rd IAPD Congress, the Hellenic Society celebrates its 50th anniversary, as it was founded in 1961 and 5 years later in 1966, it became one of the founding member-Societies of IAPD. Since then and under the enlightened guidance of distinguished colleagues, the Society plays the most important role for our specialty in our country. Organization of International and European Congresses, National Congresses, annual and seasonal Seminars of continuous education, publications including a scientific Journal, collaborations with other international societies, public and community activities, participation to national Health committees and professional support are some of the activities that have established the Society, both nationally and internationally. Nowadays, counting more than 400 members, including 200 fully trained paediatric dentists, is regarded as one of the strongest professional bodies in our country. As a result of the previous achievements and our involvement in international affairs, the International Association of Paediatric Dentistry entrusted us for second time, the first being in 1989, the organization of the International Congress. We feel much honored and we declare our determination to organize a memorable event.

The most unexpected financial support came from the Australasian Academy and the Australian, New Zealand Society of Paediatric Dentistry who sponsored 3 main Lectures and the IAPD Pre-Congress Clinical Day course, respectively. This Congress had from the beginning the recognition and generous support of the Dental School of the University of Athens and the Hellenic Ministry of Health and Solidarity. Also, the Hellenic Dental Association and the Athens Dental Society actively supported this Congress from the start. From the year 2005 in Sydney, when the HSPD was given the responsibility of organizing the present Congress, till now we had the full support of the IAPD Board.

This Congress, within the context of the main theme, Interdisciplinary Approach to Paediatric Dentistry, presents the need that all health professions should work together towards the well-being of the child, the adolescent and the patient with special needs.

This year the Scientific Program includes one Pre-Congress Symposium, two Clinical Continuing Education Hands-on Courses and one Postgraduate Student Workshop. The main Scientific Program consists of 6 Symposia, 1 Debate and 15 Invited Lectures. More than 60 speakers, distinguished in their area, will cover almost every aspect of the oral health care of the child and encourage the application of the scientific knowledge to the everyday clinical practice.

An important component of the Scientific Program is the oral and poster presentation sections. This year 766 abstracts have been submitted, from those 166 have applied for the BSBF, Morita and Jens Andreasen Awards. With the help of the experienced coordinators and chairpersons but also with your contribution the Symposia, the Invited Lectures and the Poster Sessions will be interactive, challenging and rewarding.

Finally the Organizing Committee has done its best to plan a social program with a variety of events so to be both entertaining and interesting for you and your accompanying persons.

I wish you a rewarding Congress and an enjoyable stay in Athens.

Dr. Nick Lygidakis
President of the Hellenic Society of Paediatric Dentistry

Dear Colleagues and Friends,

It is a great pleasure for me to welcome you to the 23rd IAPD Congress in Athens. All the members of the Organizing Committee would like to thank you for honoring this Congress with your scientific work and your presence.

The extended promotion efforts of the committed Local Organizing Team were reinforced by the warm and enthusiastic response of our colleagues from all the Paediatric Dental Academies and Societies that we visited during the last 2 years. Moreover, despite the difficult economic situation in Greece and worldwide, the commercial companies were convinced by our efforts to contribute adequately to the sponsoring of the Congress.

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I wish you a rewarding Congress and an enjoyable stay in Athens.

Professor Lisa Papagiannoulis
Chair of the Local Organizing Committee
The new MAM Perfect: 60% thinner, 3 times softer*,
designed to reduce the risk of misaligned teeth.

Independent studies show the innovation and effects of the MAM Perfect, developed together with dentists and paediatricians: Its exceptionally thin teat neck and especially soft material were tested in comparisons. The experts personally agree. Less pressure on teeth and jaws supports healthy dental development.

*On average: 53 – 78% thinner / 1.50 – 5.33 times softer than regular silicone soothers
Committees

Organizing Committee

- Chair: Prof. Lisa Papagiannoulis
- President of HSPD: Dr. Nick Lygidakis
- Secretary General: Dr. Anna-Maria Vierrou
- Executive Secretary General: Dr. Andreas Agouropoulos
- Treasurer: Assoc. Prof. Constantine Oulis

Scientific Committee

- Chair: Assoc. Prof. Constantine Oulis
- Members:
  - Prof. Lisa Papagiannoulis
  - Prof. George Eliades
  - Assist. Prof. Katerina Kavvadia
  - Dr. Sotiria Gizani
  - Assoc. Prof. Nick Kotsanos
  - Dr. Andreas Agouropoulos

Social Program Committee

- Dr. Sofia Geki
- Dr. Andreas Agouropoulos
- Dr. Anna-Maria Vierrou

Finance & Exhibition Committee

- Prof. Lisa Papagiannoulis
- Assoc. Prof. Constantine Oulis
- Dr. Dimitris Emmanouil
- Dr. Theodore Kouimtzis

Website

- Dr. Elias Berdouses

Conference Organiser

C&C International

Specialists in association management and international conference organization. The Group provides integrated services in the entire spectrum of conference organization, corporate events and marketing communications. It holds a leading position in Southeast Europe having successfully delivered over 1,900 international events and conferences with participation from 200 to 20,000 delegates.

For more information please visit www.candc-group.com
A groundbreaking international conference in the field of restorative dentistry, designed by the leading global experts in Periodontology, Implantology and Aesthetics and produced exclusively for their peers and colleagues to collectively learn from their latest developments and discoveries. Excellence in Dentistry is the annual one-stop-shop for all restorative dentists!

Why attend?
- Usable innovations & discoveries – cutting-edge findings into clinical practice
- Breaking the mould of boring conferences – novel programmes, formats, structure & delivery
- Capped audiences, lunch with the experts, roundtables and ‘hotspot’ networking zones
- Book of Abstracts published as a supplement in Clinical Oral Implants Research Journal
- Designed & Researched by the global KOLs
- 10 Topic Blocks covering: Aesthetics, Periodontics, Implants, Dental Materials and many more...
- Inter-specialism debates: Looking at how the different facets of dentistry can learn from each other and which approach is best for certain condition

Year Round Learning
Stay tuned for exclusive interviews, round tables / debates!
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Deadline for “early bird” registration 2 September 2011
Deadline for abstract submissions 30 November 2011

www.excellence-in-dentistry.org
eid-info@candc-group.com

EXCELLENCE in Dentistry
Striving for restorative excellence by translating research into practice.

26-29 APRIL 2012 • ISTANBUL, TURKEY

Venue Plan

LEVEL 0
EXHIBITION AREA
CONGRESS HALLS
REGISTRATION AREA
BAG DISTRIBUTION
FUTURE EVENTS
HOSPITALITY BOOTH

LEVEL -1
EXHIBITION AREA
POSTER AREA
SPEAKERS READY ROOM
OCES COMMITTEE OFFICE
IAPD OFFICE

LEVEL 1
INTERNET CORNER
POSTERS FOR AWARDS

CPD accreditation details coming soon

www.excellence-in-dentistry.org
E: excellence-in-dentistry@vq.com
T: +30 210 68 93 130
F: +30 210 68 94 177
www.excellence-in-dentistry.org

E: ex_info@candc-group.com
T: +30 210 68 93 130
F: +30 210 68 94 177
www.excellence-in-dentistry.org

CPD accreditation details coming soon
Important Information

Congress Venue
Megaron Athens International Conference Centre
Vas. Sofias & Kokkali,
115 21, Athens, Greece
Tel.: +30 210 7282333

Official Language
The official language of the Congress is English.

Exhibition
Running alongside the Congress will be a commercial exhibition featuring exhibitors from the international dental and oral health sector.

Name Badges & Congress Material
Name badges and congress material will be provided on-site to registered delegates at the Congress Registration Desk.
All delegates are kindly requested to wear their name badge during all Congress functions.

Certificate of Attendance
All registered delegates are entitled to a certificate of attendance. Certificates can be collected at the Congress Secretariat on the last day of the congress upon submission of the evaluation form.

Continuing Education Credits
All registered delegates should contact the National Dental Association in their country regarding CE credits for attending the Congress.

First Aid
First Aid is provided on site. In case of emergency, please notify the Congress Secretariat.

Liability and Insurance
Delegates are advised to arrange health and accident insurance before travelling to the Congress. The Congress Organiser cannot accept liability for personal injury or loss/damage to property and belongings of delegates during the Congress or their stay in Athens.

Mobile Phones
Delegates are kindly requested to switch off their mobile phones during the congress sessions.

Program Changes
Due to circumstances beyond the control of the Congress Organiser, last-minute changes to the programme may be unavoidable. All information included in this programme is accurate until the day of printing, 30 May 2011.

Social Program

Opening Ceremony & Welcome Reception
Date: Wednesday, June 15, 2011
Time: 19.30
Venue: Megaron Athens International Conference Centre
Hall: Alexandra Trianti Hall and Foyer
Dress code: Casual
Ticket: All registered delegates are invited to participate

Gala Dinner
Date: Friday, June 17, 2011
Time: 21.00
Venue: Zappeion Hall – the Peristilio (Vasilissis Olgas Avenue, Athens City Centre)
Dress Code: Formal
Ticket: 90€ per person
Included: Seated dinner with local wines and drinks, music entertainment.
Closest Metro Station: Syntagma Station, 400m
For special food request (vegetarian) please contact the hospitality desk at the registration until Thursday, June 16, 18:00

Closing Ceremony
Date: Saturday, June 18, 2011
Time: 16.00
Venue: Megaron Athens International Conference Centre
Hall: Dimitris Mitropoulos Hall
Ticket: All registered delegates are invited to participate

Farewell Party
Date: Saturday, June 18, 2011
Time: 21.00
Venue: Grand Resort Lagonissi, Beach 1 & 2 (40th km Athens-Sounion, 190 10 Attica East Coast)
Dress code: Smart casual
Ticket: 55€ per person
Included: Transfers to/from Grand Resort Lagonissi, Greek barbeque buffet dinner, music entertainment, dancing and happenings
Meeting Point: Athens Hilton Hotel and Megaron Athens International Conference Centre
Departure Time: 20.00
Registration

You may register on-site at the Congress Secretariat, which will be operating at the following dates and times:
15 June 2011 11:00 - 20:30
16 June 2011 08:00 - 17:30
17 June 2011 08:00 - 17:30
16 June 2011 08:00 - 17:00

Congress Registration Fees (VAT included)

<table>
<thead>
<tr>
<th>REGISTRATION TYPE</th>
<th>PARTICIPATION TO THE 23rd IAPD CONGRESS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>ON-SITE</td>
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<tr>
<td></td>
<td>Full Registration</td>
</tr>
<tr>
<td>IAPD &amp; HDA Members</td>
<td>470 €</td>
</tr>
<tr>
<td>Non IAPD / HDA Members</td>
<td>590 €</td>
</tr>
<tr>
<td>Honorary / Senior / Supported Members</td>
<td>290 €</td>
</tr>
<tr>
<td>Dental Auxiliaries</td>
<td>290 €</td>
</tr>
<tr>
<td>Postgraduate students</td>
<td>290 €</td>
</tr>
<tr>
<td>Undergraduate students</td>
<td>130 €</td>
</tr>
<tr>
<td>Accompanying persons</td>
<td>130 €</td>
</tr>
</tbody>
</table>

All prices are quoted in Euros (€)

* Postgraduate or Undergraduate students are kindly requested to provide the Professional Congress Organiser with a proof of their status

IAPD Clinical Day: Basic Paediatric Dentistry clinical procedures
Free entrance, (Up to 36 attendants)
Pre-Congress Hands-on Seminar: The use of MTA in primary and permanent teeth
Free entrance, (Up to 40 attendants)
Pre-Congress Symposium: Management of children with developmental behavior disturbances
Participation fee: 80 € per person (Up to 100 attendants)
Pre-Congress Postgraduate Student Workshop: Oral medicine, oral pathology
Free entrance, (Up to 60 attendants)
Lunch and Learn Sessions (free entrance)
Dentsply Detrey (June 16) • 3M (June 17) • Unilever (June 18)

Registration Entitlements for all types (full registration):
• Participation in all scientific sessions • Entrance to the exhibition area • Participation in the Opening Ceremony • Participation in the Closing Ceremony • Participation in the Welcome Reception • Congress Materials • Coffee Breaks • Light Lunches

Registration Entitlements for Accompanying persons:
• Entrance to the exhibition area • Participation in the Opening Ceremony • Participation in the Closing Ceremony • Participation in the Welcome Reception

Registration Entitlements for Day Pass:
• Participation in all scientific sessions of the day • Entrance to the exhibition area • Coffee Breaks • Light Lunches

NOTE: You can pay your registration fee by cash or credit card (Visa, MasterCard). Personal cheques are not accepted.

Information for Speakers

Audiovisual equipment
A Speaker’s Ready Room will be operating throughout the duration of the Congress (MC 3.2). Speakers are kindly requested to hand in their presentation (USB-key, CD-ROM, DVD) at least one (1) hour before their scheduled presentation time. If your presentation is scheduled early in the morning, you are kindly requested to check your presentation at the Speaker’s Ready Room the day before. All versions of MS Power Point are accepted, including Mac. If you are using embedded video clips in your presentation, please remember to submit video files separately. The following equipment will be available:
• PC
• Data video projector (Power Point presentations)
• Laser Pointer

Oral Presentations
If you are presenting an oral podium presentation, you are kindly requested to observe the following points:
• Please declare any relevant links to industry or other conflicts of interest at the beginning of your presentation
• Please speak slowly and clearly. English is the working language of the conference, but not necessarily the native language of the delegates.

Poster Presentations
For Posters to be exhibited, please note the following:
• The necessary material for displaying the posters will be available in the poster areas.
• Poster panel numbers will be displayed at the top of the panels.
• The corresponding poster panel number for each poster presented has been provided by the Congress Organisers, along with abstract presentation guidelines.
• As a courtesy to other presenters, participants are kindly requested not to move or remove posternumbers or change the order of the assigned poster boards.
• It is essential that presenters clear their poster board promptly and within the scheduled time. Material left on a poster board after the removal deadline will be discarded.
• The Conference Organisers are not responsible for materials left behind or that are stolen or damaged.

Mounting and dismantling of posters

Poster Area: Congress Venue / Skalkotas Glass Level (-1)

Presentation: 16 June 2011
Mounting: 15 June 2011, 16.00 – 18.00
Dismantling: 16 June 2011, 17.30 – 18.00

Presentation: 17 June 2011
Mounting: 17 June 2011, 07.30 – 08.30
Dismantling: 17 June 2011, 17.50 – 18.50

Presentation: 18 June 2011
Mounting: 18 June 2011, 07.30 – 08.30
Dismantling: 18 June 2011, 15.30 – 16.30
## PROGRAM

### Mounting and dismantling of posters submitted for IAPD awards

**Poster Area:** Congress Venue / Trianti Foyer Upper Level

**BSBF**

- **Mounting:** 15 June 2011, 10.00 - 11.00
- **Dismantling:** 18 June 2011, 15.00 - 17.00

**MORITA PRIZE & JENS O. ANDREASEN AWARDS**

- **Mounting:** 15 June 2011, 16.00 - 18.00
- **Dismantling:** 18 June 2011, 15.00 - 17.00

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<tr>
<th>POSTER SESSION CATEGORY</th>
<th>FROM POSTER NO.</th>
<th>TO POSTER NO.</th>
<th>DATE &amp; TIME OF PRESENTATION</th>
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<tbody>
<tr>
<td>Orthodontics</td>
<td>P01-1</td>
<td>P01-24</td>
<td>Thursday, 16 - 09:00 - 11:00</td>
</tr>
<tr>
<td>Cariology 1</td>
<td>P02-25</td>
<td>P02-48</td>
<td>Thursday, 16 - 09:00 - 11:00</td>
</tr>
<tr>
<td>Dental Materials 1</td>
<td>P03-49</td>
<td>P03-72</td>
<td>Thursday, 16 - 09:00 - 11:00</td>
</tr>
<tr>
<td>Endodontics 1</td>
<td>P04-73</td>
<td>P04-90</td>
<td>Thursday, 16 - 11:30 - 13:00</td>
</tr>
<tr>
<td>Syndromes &amp; Genetics 1</td>
<td>P05-91</td>
<td>P05-108</td>
<td>Thursday, 16 - 11:30 - 13:00</td>
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<tr>
<td>Dental Anxiety and Behaviour Management 1- Special Needs Patients 1</td>
<td>P07-126</td>
<td>P07-137</td>
<td>Thursday, 16 - 14:30 - 15:30</td>
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<tr>
<td>Dental Trauma 1</td>
<td>P08-138</td>
<td>P08-149</td>
<td>Thursday, 16 - 14:30 - 15:30</td>
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<tr>
<td>Special Needs Patients 3</td>
<td>P10-162</td>
<td>P10-179</td>
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<tr>
<td>Oral Pathology 1</td>
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<td>Dental Materials 3</td>
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<td>P13-236</td>
<td>Friday, 17 - 09:00 - 11:00</td>
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<td>Public Health</td>
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<td>P14-260</td>
<td>Friday, 17 - 09:00 - 11:00</td>
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<tr>
<td>Prevention 1</td>
<td>P16-281</td>
<td>P16-298</td>
<td>Friday, 17 - 11:30 - 13:00</td>
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<tr>
<td>Oral Medicine and Pathology 3</td>
<td>P17-299</td>
<td>P17-316</td>
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<td>Special Needs Patients 5</td>
<td>P19-335</td>
<td>P19-346</td>
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<td>Dental Anxiety and Behaviour Management 3</td>
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<td>P22-367</td>
<td>P22-388</td>
<td>Friday, 17 - 16:00 - 17:30</td>
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<tr>
<td>Dental Anomalies 2</td>
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<td>P23-410</td>
<td>Friday, 17 - 16:00 - 17:30</td>
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<tr>
<td>Cariology 2/Microbiology</td>
<td>P24-411</td>
<td>P24-434</td>
<td>Saturday, 18 - 09:00 - 11:00</td>
</tr>
<tr>
<td>Dental Anomalies 3/ Growth &amp; Development 2</td>
<td>P25-435</td>
<td>P25-458</td>
<td>Saturday, 18 - 09:00 - 11:00</td>
</tr>
<tr>
<td>Endodontics 2/Dental Trauma 3</td>
<td>P27-483</td>
<td>P27-500</td>
<td>Saturday, 18 - 11:30 - 13:00</td>
</tr>
<tr>
<td>Periodontology/Syndromes &amp; Genetics 2/Special Needs Patients 6</td>
<td>P28-501</td>
<td>P28-518</td>
<td>Saturday, 18 - 11:30 - 13:00</td>
</tr>
<tr>
<td>Dental Trauma 4/TMJ/ Xrays/Education</td>
<td>P29-519</td>
<td>P29-536</td>
<td>Saturday, 18 - 11:30 - 13:00</td>
</tr>
<tr>
<td>Syndromes &amp; Genetics 3</td>
<td>P30-537</td>
<td>P30-548</td>
<td>Saturday, 18 - 14:30 - 15:30</td>
</tr>
<tr>
<td>Cariology 4</td>
<td>P31-549</td>
<td>P31-559</td>
<td>Saturday, 18 - 14:30 - 15:30</td>
</tr>
<tr>
<td>Anaesthesia &amp; Dental Anxiety and Behaviour Management 4</td>
<td>P32-560</td>
<td>P32-574</td>
<td>Saturday, 18 - 14:30 - 15:30</td>
</tr>
</tbody>
</table>
Year after year, NuSmile Pediatric Crowns look better and last longer than other restorative options and competing brands. Our latest generation proprietary process ensures a long-lasting, great looking pediatric crown every time. Independent studies prove NuSmile’s durability and esthetics. Keeping up with kids is what we do. See for yourself.

www.nusmilecrowns.com/proof  |  +1 713 861 0033  |  100% SATISFACTION GUARANTEE

NuSmile outlasts them all.
# Program at a Glance

## Wednesday, 15 June 2011

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>8:30</td>
<td>Hands-on Seminar</td>
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<tr>
<td>9:00</td>
<td>MTA in Primary and Permanent Teeth</td>
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<tr>
<td>10:00</td>
<td>Management of children with developmental behavior disturbances</td>
</tr>
<tr>
<td>11:00</td>
<td>IAPD Clinical Day</td>
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<tr>
<td>12:00</td>
<td>Basic paediatric dentistry clinical procedures</td>
</tr>
<tr>
<td>13:30</td>
<td>IAPD Council Meeting</td>
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<tr>
<td>14:00</td>
<td>Evidence-based Class II treatment with headgear and functional appliance</td>
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<tr>
<td>15:30</td>
<td>Advances in orthodontic materials and their impact on clinical practice</td>
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<tr>
<td>16:00</td>
<td>The caries infiltration technique in pediatric dentistry</td>
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<td>17:00</td>
<td>Clinical potential of a new optical device for caries detection and diagnosis</td>
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<tr>
<td>18:00</td>
<td>Management of tooth avulsion in the mixed dentition - The pathway to success</td>
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<tr>
<td>19:00</td>
<td>Proceedings &amp; Welcome Reception</td>
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<td>20:00</td>
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## Thursday, 16 June 2011

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<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>9:00</td>
<td>Plenary Symposium</td>
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<tr>
<td>11:00</td>
<td>Interdisciplinary care of the child before and after birth</td>
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<tr>
<td>11:30</td>
<td>COFFEE BREAK</td>
</tr>
<tr>
<td>12:00</td>
<td>Recent advances in techniques and dental materials</td>
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<tr>
<td>12:30</td>
<td>An up-to-date review in the management of the dental fear</td>
</tr>
<tr>
<td>13:30</td>
<td>LUNCH BREAK</td>
</tr>
<tr>
<td>13:30</td>
<td>LUNCH &amp; LEARN by Dentsply Detrey: Cariostatic properties of intelligent restorative materials in modern periodontal dentistry (MC 3)</td>
</tr>
<tr>
<td>14:00</td>
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<tr>
<td>14:30</td>
<td>Evidence-based Class II treatment with headgear and functional appliance</td>
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<tr>
<th>Time</th>
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<tbody>
<tr>
<td>9:00</td>
<td><strong>SYMPOSIUM</strong> Preventive programs in public and private clinics</td>
</tr>
<tr>
<td>9:30</td>
<td><strong>LECTURE</strong> Fungal infections in children</td>
</tr>
<tr>
<td>10:00</td>
<td><strong>COFFEE BREAK</strong></td>
</tr>
<tr>
<td>11:00</td>
<td><strong>PLenary Lectures</strong></td>
</tr>
<tr>
<td>11:30</td>
<td>Craniofacial biotechnology research. What it can tell us.</td>
</tr>
<tr>
<td>12:00</td>
<td><strong>LECTURE</strong> The role of a clinical dentist in preserving Paediatric</td>
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<td>Dental Health</td>
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<tr>
<td>12:30</td>
<td><strong>LECTURE</strong> MAY: a few more pieces of the puzzle?</td>
</tr>
<tr>
<td>13:00</td>
<td><strong>Lunch Break</strong></td>
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<tr>
<td>13:30</td>
<td><strong>LECTURE</strong> Longevity of restorative materials in primary and permanent</td>
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<tr>
<td></td>
<td>dentitions</td>
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<tr>
<td>14:30</td>
<td><strong>LECTURE</strong> Nd:YAG laser application for the management of soft and</td>
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<tr>
<td></td>
<td>periodontal tissue</td>
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<tr>
<td>15:00</td>
<td><strong>LECTURE</strong> Aesthetic Stainless Steel Crowns</td>
</tr>
<tr>
<td>15:30</td>
<td><strong>COFFEE BREAK</strong></td>
</tr>
<tr>
<td>16:00</td>
<td><strong>SYMPOSIUM</strong> Special needs patients 1 / Dental anomalies</td>
</tr>
<tr>
<td>16:30</td>
<td><strong>LECTURE</strong> Child Protection and the Dental Team</td>
</tr>
<tr>
<td>17:00</td>
<td><strong>SYMPOSIUM</strong> Oral Pathology / Oral Surgery</td>
</tr>
<tr>
<td>17:30</td>
<td><strong>LECTURE</strong> Athens 2011 Special Olympics Special Smiles</td>
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<tr>
<td>17:45</td>
<td>Gala dinner (Zappeion Megaron Hall of Athens)</td>
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### Saturday, 18 June 2011

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>9:00</td>
<td><strong>SYMPOSIUM</strong> Recent advances in the oral care of children with special needs</td>
</tr>
<tr>
<td>10:00</td>
<td><strong>LECTURE</strong> The use of NiTi rotary instruments in Endodontics: a critical approach</td>
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<tr>
<td>11:00</td>
<td><strong>COFFEE BREAK</strong></td>
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<tr>
<td>11:30</td>
<td><strong>SYMPOSIUM</strong> Oligodontia and ectodermal dysplasia in children and adolescents: diagnosis, rehabilitation, indications for dental implants</td>
</tr>
<tr>
<td>12:00</td>
<td><strong>LECTURE</strong> The role of a clinical dentist in preserving Paediatric</td>
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<tr>
<td>14:00</td>
<td><strong>LECTURE</strong> Endodontics</td>
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<tr>
<td>15:00</td>
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<tr>
<td>15:30</td>
<td><strong>CLOSING CEREMONY</strong></td>
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<tr>
<td>16:30</td>
<td><strong>LECTURE</strong> Educational Programs of IAPD</td>
</tr>
<tr>
<td>17:00</td>
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<td><strong>Gala dinner</strong> (Zappeion Megaron Hall of Athens)</td>
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<tr>
<td>19:30</td>
<td>Departure from Congress Venue and Athens Hilton to Lagonissi Grand Resort (Beach party)</td>
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<tr>
<td>20:00</td>
<td><strong>Beach party</strong> (Lagonissi Grand Resort)</td>
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<tr>
<td>21:00</td>
<td><strong>Beach party</strong> (Lagonissi Grand Resort)</td>
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</tbody>
</table>
**Wednesday, 15 June 2011**

**Hellenic Society of Odontostomatological Research**

09:00 – 13:30 Pre-Congress Hands-on Seminar
The use of MTA in primary and permanent teeth
Coordinators: Evangelos Kontakiotis (GRC), Konstantinos Niamonitos (GRC)
Sponsored by the Hellenic Society of Odontostomatological Research

Crowne Plaza Hotel / Mezzanine Level – Socrates A’ Hall

09:00 – 14:30 Pre-Congress Symposium
Management of children with developmental behavior disturbances
Coordinators: June Nunn (IRL), Clive Friedman (CAN)
Management of Children with Developmental Behavior Disturbances
Marie-Therese Hosey (GBR)
Motivational Interviewing
Don Morrow & Jen Irwin-Morrow (CAN)
Dental Care Considerations for Children with Neuropsychiatric Disorders
Gunilla Klingberg (SWE)
Clinical Holding in Paediatric Dentistry: A safe and interdisciplinary model for effective delivery of care
Selina Master (GBR)

Alexandra Trianti Hall / Lecture Hall

19:30 – 20:30 Opening Ceremony of the 23rd IAPD Congress Athens 2011

Alexandra Trianti Foyer

20:30 – 22:00 Welcome Reception

**Thursday, 16 June 2011**

Alexandra Trianti Hall

09:00 – 11:00 Plenary Symposium
Interdisciplinary care of the child before and after birth
Coordinators: Mark Hector (GBR), Göran Koch (SWE)
Fetal Medicine
Kypros Nicolaides (GBR)
Effect of maternal oral health during pregnancy on infant health and development
Phoebus Madianos (GRC)
Stress vs. Puberty and Adolescence
George Chrousos (GRC)
Exploring nature vs. nurture in the oral systemic health relationship
John Timothy Wright (USA)

Skalkotas Glass Level (-1)

09:00 – 11:00 Poster Sessions
Chairpersons: Georgos Damanakis (GRC), Panagiota Skoulakis (GRC)
Orthodontics (P01-1 – P01-24)
Chairpersons: Andreas Agouropoulos (GRC), Anna-Maria Vierrou (GRC)
Cariology 1 (P02-25 – P02-48)
Chairpersons: Spiros Zinelis (GRC), Christos Rachiotis (GRC)
Dental Materials 1 (P03-49 – P03-72)
### June 15-18, 2011 Athens, Greece

**PROGRAM**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>11:00 – 11:30</td>
<td><strong>Coffee Break</strong></td>
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**Alexandra Trianti Hall**

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<tr>
<td>11:30 – 13:00</td>
<td><strong>Symposium</strong>&lt;br&gt;Recent advances in techniques and dental materials&lt;br&gt;Coordinators: Anna Fuks (ISR), George Vougiouklakis (GRC)&lt;br&gt;The use of glass ionomer cement in minimally invasive pediatric restorative dentistry&lt;br&gt;Kevin Darby (USA)&lt;br&gt;Advances in adhesives and sealants&lt;br&gt;George Eliades (GRC)&lt;br&gt;In vitro data and clinical results of resin composites restorations (in comparison to other groups of materials)&lt;br&gt;Reinhard Hickel (DEU)</td>
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**Nikos Skalkotas Hall**

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<tr>
<td>11:30 – 13:00</td>
<td><strong>Symposium</strong>&lt;br&gt;An up-to-date review in the management of dental fear&lt;br&gt;Coordinators: Milton Houpt (USA), W.E. van Amerongen (NLD)&lt;br&gt;Treatment of dental anxiety based on cognitive behavioral therapy (CBT)&lt;br&gt;Erik Skaret (NOR)&lt;br&gt;World trends in the use of sedation to address dental anxiety&lt;br&gt;Eduardo A. Alcaino (AUS)&lt;br&gt;Reducing dental anxiety by using the ART technique&lt;br&gt;Marcelo Bönecker (BRA)</td>
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**Skalkotas Glass level (-1)**

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<tr>
<th>Time</th>
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<tbody>
<tr>
<td>11:30 – 13:00</td>
<td><strong>Poster Sessions</strong>&lt;br&gt;Paros Panopoulos (GRC), Leila Bassir (IRN)&lt;br&gt;Endodontics 1 (P04-73 – P04-90)&lt;br&gt;Chairpersons: Satu Alaluusua (FIN), Saul Martins Paiva (BRA)&lt;br&gt;Syndromes &amp; Genetics 1 (P05-91 – P05-108)</td>
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**MC 2**

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<th>Time</th>
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<tr>
<td>11:30 – 13:00</td>
<td><strong>Oral Session</strong>&lt;br&gt;Chairpersons: Jeng-Fen Liu (TWN), Priya Subramaniam (IND)&lt;br&gt;Orthodontics - Growth &amp; Development (O01-1 – O01-9)</td>
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**Trianti Foyer Upper Level**

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<th>Time</th>
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<tr>
<td>11:30 – 13:00</td>
<td><strong>Morita Prize Session</strong>&lt;br&gt;Chairpersons: Bernadette Drummond (NZL), Efﬁ Syrrakou (GRC)&lt;br&gt;Clinical Research (P06-109 - P06-125)</td>
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<tr>
<td>13:00 – 14:30</td>
<td><strong>Lunch Break</strong></td>
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**MC 3**

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<tbody>
<tr>
<td>13:30 – 14:15</td>
<td><strong>Lunch &amp; Learn Session</strong>&lt;br&gt;Cariostatic properties of intelligent restorative materials in modern pedodontic dentistry&lt;br&gt;Speaker: Agnieszka Pasyk (POL)</td>
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**Alexandra Trianti Hall**

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<tr>
<td>14:30 – 15:30</td>
<td><strong>Lectures</strong>&lt;br&gt;Chairpersons: Athanassios Athanassiou (GRC), Margarita Makou (GRC)&lt;br&gt;Evidence based Class II treatment with headgear and functional appliance&lt;br&gt;Stella Efstratiadis (GRC)&lt;br&gt;Advances in orthodontic materials and their impact on clinical practice&lt;br&gt;Theodore Eliades (GRC)</td>
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**Nikos Skalkotas Hall**

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<tr>
<td>14:30 – 15:30</td>
<td><strong>Lectures</strong>&lt;br&gt;Chairpersons: Nobert Kramer (DEU), Afrodite Kakaboura (GRC)&lt;br&gt;The Caries infiltration technique in paediatric dentistry&lt;br&gt;Ulrich Schiffner (DEU)&lt;br&gt;DIAGNOcam: Clinical potential of a new optical device for caries detection and diagnosis&lt;br&gt;Jan Kühnisch (DEU)</td>
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**MC 2**

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<td><strong>Oral Session</strong>&lt;br&gt;Chairpersons: Peter Gregory (AUS), Marie-Cecile Maniere (FRA)&lt;br&gt;Anaesthesia (O03-19 – O03-24)</td>
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</table>
6:00 – 6:30 Coffee Break

Alexandra Trianti Hall

11:30 – 13:00 Symposium
Recent advances in techniques and dental materials
Coordinates: Anna Fuks (ISR), George Vougiouklakis (GRC)
The use of glass ionomer cement in minimally invasive pediatric restorative dentistry
Kevin Donley (USA)
Advances in adhesives and sealants
George Eliades (GRC)
In vitro data and clinical results of resin composites restorations
(in comparison to other groups of materials)
Reinhard Hickel (DEU)

Sponsored by 3M ESPE

Nikos Skalkotas Hall

11:30 – 13:00 Symposium
An up-to-date review in the management of dental fear
Coordinates: Milton Houp (USA), W.E. van Amerongen (NLD)
Treatment of dental anxiety based on cognitive behavioral therapy (CBT)
Erik Skaret (NOR)
World trends in the use of sedation to address dental anxiety
Eduardo A. Alcaino (AUS)
Reducing dental anxiety by using the ART technique
Marcelo Bonecker (BRA)

Sponsored by DENSPLY

MC 2

11:30 – 13:00 Oral Session
Chairpersons: Jeng-Fen Liu (TWN), Priya Subramaniam (IND)
Orthodontics - Growth & Development (O01-1 – O01-9)

Sponsored by MC 2

MC 3

11:30 – 13:00 Oral Session
Chairpersons: Levent Ozar (TUR), Justin Lee (KOR)
Cariology 1 (P04-73 – P04-90)

Skalkotas Glass Level (-1)

11:30 – 13:00 Poster Sessions
Chairpersons: Panos Panopoulos (GRC), Leila Bassir (IRN)
Endodontics 1 (P05-91 – P05-108)
Chairpersons: Satu Alakususa (FIN), Saul Martins Paiva (BRA)
Syndromes & Genetics 1 (P05-91 – P05-108)

13:00 – 14:30 Lunch Break

MC 3

13:30 – 14:15 Lunch & Learn Session
Cariostatic properties of intelligent restorative materials in modern pedodontic dentistry
Speaker: Agnieszka Pacyk (POL)

Sponsored by DIAGNOCAM: Clinical potential of a new optical device for caries detection and diagnosis
Speaker: Jan Kühnisch (DEU)

Sponsored by DMG

Alexandra Trianti Hall

14:30 – 15:30 Lectures
Evidence based Class II treatment with headgear and functional appliance
Speaker: Stella Efstratiadis (GRC)

Nikos Skalkotas Hall

14:30 – 15:30 Lectures
The Caries infiltration technique in paediatric dentistry
Speaker: Ulrich Schiffner (DEU)

DIAGNOCAM: Clinical potential of a new optical device for caries detection and diagnosis
Speaker: Jan Kühnisch (DEU)

Sponsored by DMG

MC 2

14:30 – 15:30 Oral Session
Chairpersons: Peter Gregory (AUS), Marie-Cécile Maniere (FRA)
Anaesthesia (O03-19 – O03-24)
June 15-18, 2011  Athens, Greece

**MC 3**

14:30 – 15:30  Oral Session
Chairpersons: Joseph Shapira (ISR), Helen Rodd (GBR)  
Syndromes & Genetics (O04-25 – O04-30)

14:30 – 15:30  Poster Sessions
Chairpersons: Rosamund Harrison (CAN), Nina Wang (NOR)  
Dental Anxiety and Behaviour Management 1 - Special Needs Patients 1 (P07-126 - P07-137)  
Chairpersons: Evaggelos Kontakiotis (GRC), Vasillios Tsigounakis (CZE)  
Dental Trauma 1 (P08-138 – P08-149)

15:30 – 16:00  Coffee Break

**Skalkotas Glass Level (-1)**

14:30 – 15:30  Oral Session
Chairpersons: Hector Martinez (MEX), Kostas Arapostathis (GBR)  
Behaviour Management 1 (O05-31 – O05-39)

16:00 – 17:30  Oral Session
Chairpersons: James Crall (USA), Lihong Ge (CHN)  
Prevention 1 (O07-49 - O07-57)

16:00 – 17:30  Poster Sessions
Chairpersons: Romana Ivanakova (CZE), Selina Master (GBR)  
Special Needs Patients 3 (P10-162 – P10-179)  
Chairpersons: George Papavasiliou (GRC), Nikos Nikitakis (GRC)  
Oral Pathology 1 (P11-180 – P11-197)

16:00 – 17:30 Morita Prize Session
Chairpersons: Mark Cannon (USA), Sophia Geki (GRC)  
Case Report (P12-198 – P12-212)

Friday, 17 June 2011

**Alexandra Trianti Hall**

09:00 – 11:00  Symposium  
Preventive programs in public and private clinics  
Coordinators: Magne Raadal (NOR), Sotiria Gizani (GRC)  
Caries risk assessment and prevention among preschool children  
Ernest Cholakis (CAN) & Carla Cohn (CAN)  
Evidence is global, guidelines are local  
Svante Twetman (DEN)

09:00 – 10:30  Oral Session  
Chairpersons: Roger Hall (AUS), Kiae Park (KOR)  
Oral Pathology 1/Oral Surgery (O08-58 – O08-66)
June 15-18, 2011 Athens, Greece

**Nikos Skalkotas Hall**

10:30 – 11:00 Lecture
Chairpersons: Roger Hall (AUS), Kitae Park (KOR)
Speaker: Helen Papadogeorgakis (GRC)
  *Fungal infections in children*

MC 2

09:00 – 11:00 Oral Session
Chairpersons: Vann Williams (USA), Qvista Vibeke (DEN)
  *Dental Materials (O09-67 – O09-78)*

Skalkotas Glass Level (-1)

09:00 – 11:00 Poster Sessions
Chairpersons: Corinne Tardieu (FRA), Nikos Kostanos (GRC)
  *Dental Materials 3 (P13-213 – P13-236)*
  *Public Health (P14-237 – P14-260)*

**Alexandra Trianti Hall**

11:30 – 13:00 Plenary Lectures
Chairpersons: John Featherstone (USA), Nick Lygidakis (GRC)
Speaker: Hans-Peter Bantleon (AUT)
  *Influence of the neck dimensions of pacifiers on flexibility and intra-oral force distribution*
  
  **Sponsored by**

Speaker: Irma Thesleff (FIN)
  *Genetic perspectives in paediatric dentistry*

Speaker: Petros Papagerakis (USA)
  *Stem cells-based therapeutics in paediatric dentistry*

Speaker: Demetrios Tziafas (GRC)
  *From pulp protection and healing to pulp-dentine regeneration*

**Skalkotas Glass Level (-1)**

11:30 – 13:00 Poster Sessions
Chairpersons: Shun-Te Huang (TWN), Vuokko Anttonen (FIN)
  *Prevention 1 (P16-281 – P16-298)*

Chairpersons: Ourania Nikolatou - Galiti (GRC), Anastasia Mitsea (GRC)
  *Oral Medicine and Pathology 3 (P17-299 – P17-316)*

Trianti Foyer Upper Level

11:30 – 13:00 Jens O. Andreasen Awards Session 1
Chairpersons: Ann O’ Connel (IRL), Anna Dyster Aas (CHE)
  *Dental Trauma (P18-317 – P18-334)*

**MC3**

13:30 – 14:15 Lunch & Learn Session
Speaker: Monty Duggal (GBR)
  *The treatment of MIH including the use of Protemp Crowns*

**Alexandra Trianti Hall**

14:30 – 15:30 Lectures
Chairpersons: Stephen Wei (CHN), Luc Martens (BEL)
Speaker: Reinhard Hickel (DEU)
  *Longevity of restorative materials in primary and permanent dentition*

Speaker: Anna Fuks (ISR)
  *Aesthetic stainless steel crowns*
### Nikos Skalkotas Hall

**14:30 – 15:30 Lectures**

**Chairpersons:** Ioannis Vrotsos (GRC), Denis Kirane (USA)

**Speaker:** Dorte Haubek (DEN)

- Early diagnosis and treatment of periodontal disease
- Nd YAG laser application for the management of soft and periodontal tissues

**Speaker:** Ioannis Karoussis (GRC)

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#### Skalkotas Glass Level (-1)

**14:30 – 15:30 Poster Session**

**Chairpersons:** Kerrod Hallet (AUS), Emmanouil Vardas (GRC)

- Special Needs Patients 5 (P19-335 – P19-346)
- Dental Anxiety and Behaviour Management 3 (P20-347 – P20-358)

**Chairpersons:** Don Morrow (CAN), Inone Mitsuko (JPN)

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#### Trianti Foyer Upper Level

**14:30 – 15:30 Jens O. Andreasen Awards Session 2**

**Chairpersons:** Jessica Lee (USA), Kimon Dwaris (USA)

- Dental Trauma (P21-359 – P21-366)

**15:30 – 16:00 Coffee Break**

### MC 2

**14:30 – 15:30 Oral Session**

**Chairpersons:** Antonis Konstantinidis (GRC), Anastasia Kelekis (CAN)

- Periodontology/Dental Trauma 1 (O11-91 – O11-96)

### MC 3

**14:30 – 15:30 Oral Session**

**Chairpersons:** Vlasta Merglova (CZE), Betul Kargul (TUR)

- Dental Trauma 2 (O12-97 – O12-102)

### Alexandra Trianti Hall

**16:00 – 17:45 Symposium**

**Essentials in caries management - risk assessment and fluoride**

**Coordinators:** Nigel Pitts (GBR), Constantine Oulis (GR)

- Caries: Where are we today?
- Caries: Where are we today?
- Caries risk assessment: How and when?
- Fluorides- insights in how they work
- Clinical success with different intensive fluoridation measures

**Sponsored by**

### Nikos Skalkotas Hall

**16:00 – 17:30 Oral Session**

**Chairpersons:** Eleni Homata (GRC), William Papaioannou (GRC)

- Epidemiology/Public Health 1 (O13-103 – O13-113)

**Chairpersons:** Jaap Veerkamp (NLD), Luciane Costa (BRZ)

- Behaviour Management 2/Education (O14-114 – O14-124)

**Chairpersons:** Angela Beatriz Argentieri (ARG), Kzishan Gauba (IND)

- Public Health 2 (O15-125 – O15-135)

### MC 3

**16:00 – 17:30 Oral Session**

**Chairpersons:** Angela Beatriz Argentieri (ARG), Kzishan Gauba (IND)

- Public Health 2 (O15-125 – O15-135)

### Zappeion Hall, the Peristilio

**21:00 Gala Dinner**

**Official Gala Dinner of the 23rd IAPD Congress Athens 2011**
Saturday, 18 June 2011

Dimitris Mitropoulos Hall

09:00 – 11:00  Symposium
Recent advances in the oral care of children with special needs

Coordinators: 
June Nunn (IRL), Dimitris Emmanouil (GRC)

Autism Spectrum Disorder - Strategies for Management
Nicky Kilpatrick (GBR)

Lasers in the use of soft tissue disorders in special care children
Rita Cauwels (BEL)

Novel applications of fluorides for the caries-risk patient
Kyriacos Jack Toumba (GBR)

Improving oromotor function in children with Down syndrome
Clive Friedman (CAN)

MC 2
09:00 – 11:00 Oral Session
Chairpersons: Marie Teresse Hossey (GBR), Figen Seymen (TUR)

Special Needs Patients 1/Dental Anomalies (O16-136 – O16-147)

MC 3
09:00 – 11:00 Oral Session
Chairpersons: Aliriza Alpöz (TUR), Kareen Mekertichian (AUS)

Cariology 4/Prevention 2 (O17-148 – O17-159)

Skalkotas Glass Level (-1)
09:00 – 11:00 Poster Sessions
Chairpersons: 
Sotiris Kalfas (GRC), Shuguo Zheng (CHN)

Cariology 2/Microbiology (P24-411 – P24-434)

Chairpersons: Janice Fearne (GBR), Maeda Takahide (JPN)


Trianti Foyer Upper Level
09:00 – 11:00 Morita Prize Session
Chairpersons: Benjamin Perez Peretzi (ISR), Mike Harrison (GBR)

Clinical Research (P26-459 – P26-482)

11:00 – 11:30 Coffee Break

11:30 – 13:00 Symposium
Oligodontia and ectodermal dysplasia in children and adolescents: Diagnosis, habilitation and indications for dental implants

Coordinators: Birgitta Bergendal (SWE), George Vadiakas (GRC)

Clinical and genetic diagnostics in ectodermal dysplasia
John Timothy Wright (USA)

Multidisciplinary treatment in children with ectodermal dysplasia
Johanna Nordenyd (SWE)

Treatment with dental implants in children with ectodermal dysplasia
Birgitta Bergendal (SWE)

MC 2
11:30 – 12:30 Oral Session
Chairpersons: Gerald Ferreti (USA), Navneet Grewal (IND)

Endodontics (O18-160 – O18-165)

MC 3
11:30 – 13:00 Lecture
Chairpersons: Gerald Ferreti (USA), Navneet Grewal (IND)

The use of NiTi rotary instruments in endodontics: a critical approach
Speaker: George Kostouros (GRC)

Skalkotas Glass Level (-1)
11:30 – 13:00 Oral Session
Chairpersons: Christina Stecksén-Blicks (SWE), Dominique Declerck (BLG)

Special Needs Patients 2 (O19-166 – O19-174)

13:00 – 14:30 Lunch Break

MC 3
13:30 – 14:15 Lunch & Learn Session
Brush Day and Night: Effective Ways to Deliver the Message in Practice
Speaker: Andreas Agouropoulos (GRC)
Abstracts of Symposia & Invited Lectures

Pre-Congress Courses

1. The use of MTA in primary and permanent teeth
   Evangelos Kontakiotis - Kostantinos Niamotinos
   MTA (Mineral Trioxide Aggregate) is a contemporary filling material used in dental clinic practice. MTA is a bioactive silicate cement. There are several properties of MTA that make it such an ideal material. It has small practical size, alkaline pH when set and slow release of calcium ions. It is well known for its sealing ability and it has also been reported to induce cell proliferation, cytokine release and hard tissue formation. Nowadays, MTA is widely used as a root-end filling material in periradicular surgery as well as repair material in root and pulp chamber floor perforations. MTA may also be used in direct pulp capping and conventional treatment of teeth with incomplete root formation. Topics of this seminar include the most important characteristics of MTA as well as all its applications concerning the clinical field of Endodontiology and Paediatric Dentistry; pulp capping, pulpotomy, apical plug, root and pulp chamber floor perforations, root end filling and root canal filling; Conventional applications will be showed on human extracted teeth whereas surgical applications will take place on fresh tissue of pig's jaws.

2. Management of children with developmental behavior disturbances
   Marie-Therese Hosey
   The management of these children is a real challenge to the dental team. The advantages and disadvantages of the various techniques will be explored ranging from behavioral management, conscious sedation to the use of general anaesthesia. The evidence, or lack of evidence, for these will be discussed and practical tips and suggestions presented. Ideas for future research and collaboration will be considered. Different countries and cultures may have come up with different solutions; this is an opportunity to share these. Participants are invited to bring along some case scenarios to share and to discuss with the wider audience.

Motivational Interviewing
Don Morrow & Jenn Irwin-Morrow
This experiential hands-on session will focus on the integration of motivational interviewing tools and techniques into private practice for effective patient behavior change and seamless assimilation of alternative therapies into daily regimens. Motivational Interviewing (MI) is formally defined as a “client-centered, directive method for enhancing intrinsic motivation to change by exploring and resolving ambivalence.” Grounded in addiction research, motivational interviewing is widely supported in the health care professions and in evidence-based research (including our own research) on its effectiveness within clinical health practices. We firmly believe that every patient and every dental care provider, and the dental care needs of special needs patients, every care-giver can absolutely embrace what the MI creators call a competent world view. Your job within the clinician/care-giver/patient triangle is to tap into their creativity, their resourcefulness, and often their values in order to enhance healthy behavior adherence. And we have found that MI engages patients to collaborate fully and meaningfully in partnership with their health care practitioners in their healing and health-care process. Our session will provide a meaningful overview of MI using our unique system which integrates MI with other interactive tools. Some patients need several appointments for introduction before they are able to cooperate to even a dental examination. Some patients manage conventional dental treatment, while others need help from sedatives. For a group of patients general anaesthesia is required even in order to do a proper examination. As dental treatment can be difficult, preventive dental care is important.

Dental Care Considerations for Children with Neuropsychiatric Disorders
Gunnilla Klingsberg
Children with neuropsychiatric disorders do not form a homogeneous group. Several different neuropsychiatric diagnoses and conditions are included and many of the children also have other medical diagnoses. These children are all unique individuals and this should be reflected in the dental care situation. There are several risk factors for impaired oral health mainly owing to behavioral factors, and reports of increased risk of both dental caries and gingivitis. However, reliable surveys on oral and dental health are missing. The basis for all dental care is dental examination, diagnosing and treatment planning. As children with neuropsychiatric disorders often have problems to cooperate to dental treatment, sufficient time should be allocated for stepwise introduction to dental examination and treatment. Communication with children with fetal alcohol can be enhanced by using photographs or story telling as pedagogic tools. Some patients need several appointments for introduction before they are able to cooperate to even a dental examination. Some patients manage conventional dental treatment, while others need help from sedatives. For a group of patients general anaesthesia is required even in order to do a proper examination. As dental treatment can be difficult, preventive dental care is important. Individually adapted aids and appliances can be used for oral hygiene. Likewise, dental education to parents and caregivers, and a team approach to the patient are favorable. It is essential that resources be allocated to ensure that also people with neuropsychiatric disorders receive dental treatment and can achieve and maintain a good oral health on the same conditions as others.

Clinical Holding in Paediatric Dentistry: A safe and interdisciplinary model for effective delivery of care
Selina Master
The aim of the presentation is to show how a specific Clinical Holding training programme was developed and implemented within the Special Care Dentistry department in Surrey, England. The Surrey dental team worked together with a specialised and accredited company, Positive Options, to develop an appropriate and effective safe model of physical intervention (clinical holding). Clinical Holding...
is now used to assist and support patients to enable them to receive dental treatment in situations where their behaviour might limit the ability of the dental team to effectively deliver dental treatment. The clinical holds were evolved using the “safer restrictive response” strategy which underpins the use of all physical interventions. All approaches were developed within organisational and regulatory guidelines and policies. The presentation will also include an evaluation of the training programme to date and Paediatric case studies to demonstrate the effectiveness of this training in the clinical situation, including induction of a general anaesthetic.

3. IAPD Clinical Day: Basic paediatric dentistry clinical procedures

Richard Widmer, Peter Gregory, Sotiria Gizani

The aim of this symposium is to announce the Pre -Congress Clinical Day. This Clinical Day is the first ever offered by the IAPD as a pre Congress course and will include a morning of basic clinical lectures from expert Teachers followed by an afternoon Hands-on workshop. The symposium will include updates on topics such as primary molar pulp therapy, local anaesthesia and the extraction of primary and permanent teeth in young children. The Hands-on session will cover the preparation and placement of preformed crowns, as well as pulpotomy techniques for primary molars. Participants will be given a. The program focuses on the processes in diagnosis and treatment planning and then management of oral lesions in children presenting in the different colour of the Olympic rings. Although much oral pathology in children is benign, it is essential to eliminate more serious illnesses. The presentation of pathology in children often differs from that seen in adults and the subtleties of these differences are often important in diagnosis. Additionally, many lesions change in form or extent with growth of the body. While some disorders are confined to the mouth, oral lesions may often be a sign of a systemic medical disorder. The same disease may present in a multitude of ways but equally, one presentation may be representative of many different disorders. These presentations and quizzes will focus on an approach to the diagnosis and management of common, and some uncommon soft tissue lesions in children. As a diagnostic aid, conditions have been grouped according to presentation of colour. The areas covered will include: orofacial infection, oral ulceration, and pathology in the newborn.

Symposia

1. Interdisciplinary care of the child before and after birth

Katharina Nikolaides

Major part of formation and development of teeth and oral structures take place early in life. Disturbances during this critical period can result in irreversible complications. Prenatal diagnosis allows today appropriate counselling of the parents and fetal treatment.

Effect of maternal oral health during pregnancy on infant health and development

Phoebe Madanos

For the last 2 decades researchers have been investigating the association between maternal periodontal disease and adverse pregnancy outcomes. Maternal periodontal disease (PD), low birth weight (LBW), preterm delivery and low birth weight (LBW, preterm delivery, and gestational diabetes mellitus). Several animal models demonstrate that this association is biologically possible, and several mechanistic pathways have been proposed. Firstly, periodontal bacteria from the gingiva enter the blood circulation and reach the developing feto-placental unit initiating a local inflammatory response, 2) inflammatory cytokines from the gingiva enter the blood circulation and reach the liver initiating the release of acute phase proteins that may exacerbate an inflammatory response at the feto-placental unit, and 3) inflammation of the skin. The results from epidemiological studies in humans (cohort, case-control) are inconsistent due to the heterogeneity and limitations of the studies (e.g.) racial differences among sample population, 2) variability of sample size, 3) differences in criteria for diagnosis of outcomes and 4) inconsistent adjustment for extraneous factors. The number of intervention studies have also led to inconclusive results due to: 1) differences in the severity of the periodontal disease treated, 2) the small sample size, 3) the different time of treatment and treatment modality. Preliminary evidence from animal research demonstrate the possibility that periodontal disease of the pregnant mother may affect neonatal survival and also behavioral aspects and the physical status of the offspring. This may imply that the periodontal condition of the mother may affect not only the developing fetus during pregnancy but also the well-being of the individual later in life. Other aspects of dental care such as the use of antibiotics, radionuclides and antibiotics, during pregnancy or lactation may also have deleterious effects on the teeth and the overall health/development of the fetus and the offspring.

Stress vs. Puberty and Adolescence

George Chrousos

Early life, including the fetal, childhood, and puberty/adolescence periods, is characterized by marked changes in growth and development. The former includes physical changes in stature and body weight, shape and composition, as well as the process of puberty, and is usually completed by the age of 14-16 years. The latter concerns the psychosocial, intellectual and emotional maturation of the individual, including completion of brain development, and is finished by the age of 24-27 years. "Stress" defined as the "state of physiological or psychological strain which is detrimental or harmful to health and development" including both mental and/or future permanent psychopathology. Stress is associated with activation of the Stress System comprised by the Hypothalamic-pituitary-adrenal Axis and the sympatho-adrenomedullary system. The stress system functions in a baseline, circadian fashion or on demand, in response to a stressor, and interacts with other systems of the organism to regulate a variety of behavioral, endocrine, metabolic, immune/inflammatory, and neuroendocrine responses. The stress response involves perceived or real uncontrollable threats of danger or stressors that elicit a physiological stress response. These can lead to systemic alterations in CYP450, catecholamine and cortisol secretion and may lead to a pathologic, harmful homeostasis or caucalization, that may cause, inter alia, general and specific disease, psychological disorders, substance abuse, and obesity/metabolic syndrome and osteoporosis. It may also produce sleep disturbances, including insomnia and excessive daytime sleepiness, and may impair reproductive and immune functions. Developing children and adolescents are particularly vulnerable to the effects of chronic stress with both behavioral and biologic pathways involved in the connection between chronic stress and behavior. The program focuses on the processes in diagnosis and treatment planning and then management of oral lesions in children presenting in the different colour of the Olympic rings. Although much oral pathology in children is benign, it is essential to eliminate more serious illnesses. The presentation of pathology in children often differs from that seen in adults and the subtleties of these differences are often important in diagnosis. Additionally, many lesions change in form or extent with growth of the body. While some disorders are confined to the mouth, oral lesions may often be a sign of a systemic medical disorder. The same disease may present in a multitude of ways but equally, one presentation may be representative of many different disorders. These presentations and quizzes will focus on an approach to the diagnosis and management of common, and some uncommon soft tissue lesions in children. As a diagnostic aid, conditions have been grouped according to presentation of colour. The areas covered will include: orofacial infection, oral ulceration, and pathology in the newborn.

2. Recent advances in techniques and dental materials

The use of glass ionomer cement in minimally invasive pediatric restorative dentistry

Kevin Doni

The use of glass ionomer cements/resin-modified glass ionomer cements are a critical component of contemporary pediatric restorative dentistry. The glass ionomer restorative materials are bonding in a wide wet bond and are firmly attached to the acid-base setting reaction, and has the advantage of releasing fluoride that can inhibit recurrent caries at restoration margins. Glass ionomer cements can be utilized as a surface protectant in the primary and permanent dentition. It is also an effective restorative material for Class I and II restorations in the primary dentition. Likewise, glass ionomer restorative material can be an effective restorative material for Class III and V restorations in the primary and permanent dentition.

Adances in adhesives and sealants

George Eliades

Thermosetting adhesive systems have long been considered as reference for bonding to enamel and dentine. Nevertheless, to shorten chairside time and reduce technique sensitivity two-step etch and rinse systems have been introduced. Unfortunately, most of these systems, further increased technique sensitivity, by inadequate infiltration of acid-etched enamel, monomer phase separation, differential infiltration and implication with the setting mechanism of slow-setting composites. To overcome these limitations two-step self-cure systems have been developed, where tissue demineralisation was achieved by polymerizable acidic monomers. These materials resulted in a clinical performance matching that of three-step systems, although concerns have been expressed on their enamel etching capacity, increased water uptake and long-term stability. Currently, one-step self etch systems are available, exhibiting contradictory performance; high risk of demineralisation and etching capacity related to ineffective products. The effectiveness of adhesives systems, apart from their composition, is highly dependent on the type of the substrate. Carious and sclerotic tissue is difficult to seal, while the enamel-sample shows strongly reduced effectiveness. Several additional steps have been advised for such cases including, removal of the affected tissue, prolonged acid-etching, acid-meditated microabrasion or NaOCl conditioning. The latter is now used as a standard technique, as it may interfere with the bonding mechanism of several adhesives. The developments in the adhesives for the treatment of carious lesions have been introduced in resin pit and fissure sealants, as well, in an effort to optimize sealing capacity. Several improvements have been introduced in the resin for two-step etch and resin systems. However, phosphoric acid conditioning of intact enamel surfaces is considered as the best etching procedure in comparison with self-etch resin monomers. Recently, self-etch adhesives and composites with acid modified monomers have been introduced as sealants, but the laboratory and clinical performance of such products is quite controversial. Finally, there is an increasing concern on the potential adverse biological effects of sealants, which release compounds with estrogenic activity.
In vitro data and clinical results of resin composites restorations (in comparison to other groups of materials)

Reinhard Hickel

In the last 15 years more new filling materials and new groups of materials were introduced than ever before in dental history. On the one side this is a big advantage for the dentist to have the possibility to choose between numerous materials. But on the other side it is difficult to keep the overall view and to know the indications as well as advantages and disadvantages of the numerous materials e.g. traditional amalgam fillings, compomers, nanofilled composites, silicones etc. Furthermore the different brands in several groups of materials show a wide range in mechanical properties. The question is how these different materials can be applied best and will contribute to treatment. Clinical results in comparison to amalgam or indirect restorations (inlays etc.). Longevity of dental restorations is dependent upon many different factors, that are materials-, patient-, and dentist-related. Clinical results of restorations are not only influenced by the design and by type of adhesive. Light curing ans incremental increments in the past were very large. The last decade median annual failure rates were calculated for amalgam, composite, and for indirect restorations (ceramic inlays/onlays and porcelain inlays) and differences between the failure rates changed in the last years. But in many studies the reasons for failure of amalgams were not sufficiently described. A new recommendation for conducting clinical studies has been published in 2007 (FDI SCIENCE COMMITTEE PROJECT) (Hickel et al. 2007 and 2010) which should to improve comparison of studies, too. In general restorative adhesives in posterior teeth can be recommended, especially in small and medium sized cavities. With modern resin composites with different opacities the dentist is also able to restore anterior teeth with excellent esthetics in a direct way. The application of modern filling materials will be shown step by step and frequent failures with advices for improvement will be discussed.

3. An up-to-date review in the management of dental fear

Treatment of dental anxiety based on cognitive behavioral therapy (CBT)

Erik Skaret

Many studies have reported successful cognitive behavioural therapy (CBT) of specific phobias, but often with the use of many treatment sessions. However, in all cases carried out by Osl and co-workers the use of a hierarchy with a compromized airway, such as rubber dam, blood stain, extra-oral injection phobia, flying phobias and claustrophobia has been successfully used, and with similar effects, by one or five sessions of CBT (Ost LG. 1989). The main principles of the therapy are based on gradual, controlled, and repetitive exposure in vivo to the feared stimuli, with the patients consent for every new step. The levels follow in a gradual and manageable order and are determined by cooperation between the patient and the therapist. The lecture will discuss the implementation of these treatment approaches among younger age groups, with dentists doing the psychological treatment, and how the use of pharmacological medicines should be a supplement to the psychological methods is cases where there is a discrepancy between the dental treatment needs and the fear level of the patient. The discussion will be based on results from randomized clinical studies in adults where dental phobia and intra-oral injection phobia are treated in one or five CBT sessions, performed by dentists. Treatment of dental- and injection phobia in children is a reasonable approach for bringing fearful children back to ordinary dental treatment and preventing future avoidance of dental care.

World trends in the use of sedation to address dental anxiety

Eduardo A. Alcaino

It is noted that most children can receive dental care in a normal setting with non-pharmacological techniques to address dental anxiety. However, there are a number of children that suffer from severe anxiety, medical issues or simply cannot cope with dental care in a normal setting. Therefore also many dental units around the world with increased pressure to deliver dentistry in a more efficient manner and decrease waiting lists for the delivery of dental care. This presentation will review current philosophies in paediatric sedation in dentistry across the world. It will be provided in various countries vary enormously as do the drugs and techniques available. Controversy as to what techniques and who delivers sedation will be discussed. The use of sedation techniques will be addressed. Popular techniques include the use of nitrous oxide, oral sedation, and general anaesthesia. Careful patient selection, adequate informed consent, and specific clinical criteria appear to be vital for success. Discharge criteria in children is an area that has received more attention lately given that complications may arise after a child leaves the dental surgery. Knowledge of pediatric “care path” or preventive therapeutic management plan, before deciding in a surgical modality of “drill and fill” versus “crown” is essential. The use of conscious sedation in children and other anatomical factors must always be considered. General anaesthesia has gained popularity over the years for the delivery of comprehensive dental care. Some aspects of this form of sedation will be addressed. Recommendations and future trends on the use of conscious sedation in Paediatric Dentistry will be discussed. Continuing education and training in paediatric advance life support is encouraged.

Reducing dental anxiety by using the ART technique

Mauro Naccara

ART promotes less discomfort and minimizes pain, contributing to a reduction of anxiety, due to the diminution of sound tissue removal and the absence of the use of local anesthesia. Development of recent techniques related to ART might improve its restorations long term results and reduces frequency of re-visits of restorations.

4. Management of tooth avulsion in the mixed dentition – The pathway to success

Acute management: The art of managing the complete dental injury, the tooth, the soft tissues and the bone

Jeppe Ove Andersen

Most luxation injuries involve a trauma affecting both the tooth bone and soft tissues. Present knowledge indicates that especially intrusions and avulsions have the most severe long term prognosis. The lecture will be based on a material of 1000 traumatised permanent teeth suffering either intrusion, lateral luxation or avulsion and describe how combined bone, and periodontal ligament damage may invite to healing complications. The explanatory factor appears to be the extent of periodontal ligament and bone damage as well as the maturity of bone at the time of injury. These factors will determine how severe the damage will be transformed to the periodontium whereby its anatomical function of the periodontal ligament becomes compromised whereby root resorption may start up.

The Avulsed Tooth - Resorption and Revitalization

Martin Trope

Success after avulsion is related to resorption complications. This talk will cover the biological aspects of resorption and strategies to limit this complication. Revitalization of an avulsed tooth is limited but can be performed on a previously injured alveolar bone. Also the procedure has great potential related to resorption complications that have undergone resorative complications. These cases will be presented and discussed.

Delayed presentation - How to maximise success of a compromised case

Monty Duggal

This presentation will argue the pros and cons of replanting avulsed teeth that are considered not to have a good prognosis in the long term. Should such teeth be replanted at all? What are the ethical issues if teeth with known poor prognosis are replanted thereby committing the child and the family to prolonged and frequent treatment which carries not only a financial cost but also a social cost for the child and the parents? However, the presenter will argue that most avulsed teeth, even those with a hopeless prognosis should be replanted with a view to securing a good outcome for the patient. This can be achieved through a proactive programme for the management of replacement resorption and through that management of the bone in the region. Securing a good quality alveolar bone in the region is essential in order to provide the child with a replacement. The protocol for such cases which is implemented through a multidisciplinary team approach in Leeds will be presented to support the argument that replantation of avulsed teeth, however poor the prognosis, is beneficial. Premolar transplantation into good quality bone secured through such an approach of managed replacement resorption results in an excellent outcome. Some argue against replanting such teeth but a high success rates for our multidisciplinary approach will be reported to support the argument that replantation should more often than not be carried out as a matter of routine as long as proactive bone management in the region is carried out through monitoring of root resorption and intraoral and wherever required by prompt deceleration to maintain alveolar bone margins.

5. Preventive programs in public and private clinics

Caries risk assessment and prevention among preschool children in a private practice

Ernest Cholakis & Carolina Cohn

Incorporating a well structured caries risk assessment and preventive model in your private practice will lower the caries risk profile for your patient's. Our clinical setting and our evolving Prevential Model has demonstrated and proven sustainable caries reduction. We will show you how to shift your practice focus from symptom relief to true preventive care. By translating the vast literature for children into practical and viable clinical routine, private practitioners can efficiently: 1) Identify the dominant risk factors 2) Quantify them3) Prescribe the appropriate preventive treatments. Thus transforming dental offices into cavity free centres. Focus will be risk assessment and prevention for children 0 – 5 years of age.

Caries risk assessment as an evidence-based tool for early diagnosis and intervention for preschool children

Francisco Ramos-Gomez

Caries rates in children, especially aged 2-5 years, have increased in recent years. The CAMBRA (Caries Management by Risk Assessment), designed for 0-5 year olds, offers a new comprehensive prevention and intervention risk-assessment approach as a core component of childhood caries as a vital part of a comprehensive oral health visit. Information obtained through CAMBRA can guide providers on the most effective, efficient, and appropriate treatment schedule based on individual risk assessment and the need for dental care. CAMBRA is a research tool and allows selection of the best care paths and self management goals (anticipatory guidance) to effectively treat and manage caries disease process. This summary article provides an overview of the study design, which resulted in a randomized controlled clinical trial of 137 young children and 121 young adults in the US. CAMBRA assists providers in a structured manner to: 1) Assess each child and their caregiver in an individualized manner, based on age and risk at each visit on their dental status and managing risk for disease progression at a very early age. 2) Does allow providers to target high risk cases of “care path” or preventive therapeutic management plan, before deciding in a surgical modality of “drill and fill” versus “crown”. 3) Provides data for timely and specific appropriate periodicity schedule based on risk, and 4) Ensure in a dual parallel track of “dyspl”, specific guidance for the caregivers with targeted self-management goals based on the age, risk and need of each individual patient at any given time. In a disease preventive management approach, there are six basic steps in Infant Oral Care comprehensive oral health assessment for the Age One Visit as recommended by American Academy of Pediatric Dentistry (AAP), Caries Risk Assessment or CAMBRA is the first of these six critical steps, giving the provider more information to help them comprehend the risk of the child, before deciding which treatment path to follow. For infants and children up to age three, a knee-to-knee position is used. The next steps are, a toothbrush prophylaxis, a clinical exam for early detection of white spot lesions or early enamel demineralization, a Fluoride Varnish application, and finishing with the anticipatory guidance and self-management goals with a brief home care manual approach to continue to the caregiver the importance and the value of healthy teeth. The CAMBRA tool or Risk Assessment technique has three specific domains: 1) Risk and or Biological factors such as continual bottle use, sleeping with a bottle, frequency and types of snacks, child taking any medications and some other risk factors; 2) Protective factors with questions such as the use of fluoridated tap water, use of fluoridated toothpaste or the use of xylitol in a continuous fluoride varnish application. Where providers can assess the presence of early demineralized enamel surface, or cavities at very early age, presence of plaque, lack of salivary flow, etc.
Improving perinatal and infant oral health

Yasmin Crystal

Early childhood caries and severe early childhood caries continue to be a public health problem for specific communities throughout the world. Colonization of cariogenic bacteria from mother to child has been well documented. Early colonization in infants of mothers with poor oral health, increases the caries risk, the severity and extent of the disease process. The consequences of poor oral health in children can have a lifelong impact, so pregnancy and early childhood are particularly important times to access oral health care. Perinatal oral care, early preventive intervention, age one visits and parental education are proven measures for caries prevention on populations at risk, however, establishment of successful programs to implement these measures has proven to be challenging regarding the change in system of healthcare delivery in different countries. In the USA, the public health and many dentists are still unaware of the limited risks compared to the great benefits of delivering dental treatment and maintaining optimal oral health on expectant mothers. The majority of caries in children is still not referring children to a dentist at age one or when the parents have a dental checkup. To achieve this, organizations that have developed programs to address these issues, like the AAPD’s “Improving Perinatal and Infant Oral Health Project” which are raising awareness of perinatal and infant oral health care and the AAPD’s “Bright Futures” and “Brightening Oral Health” which provide with treatment guidelines and the necessary support for their implementation so pediatric health care providers can incorporate oral health evaluations and patient preventive services during well child visits. Other state and local programs that provide access and collaboration between health specialties to improve perinatal and infant oral health in communities at risk will be also discussed.

Evidence is global, guidelines are local

Svante Teetman

It seems to be a common concern concerning the meaning of the terms “scientific evidence”, “evidence dentistry” (EBD) and “clinical guidelines”. Evidence is based and strictly graded on high -based quality systematic reviews of controlled clinical trials that are critically assessed according to predefined criteria. Such evidence is valid globally and should form the platform for population-based primary prevention, that is, measures directed to all citizens in a community according to the common risk factor approach. Lack of evidence does not necessarily mean that an intervention or a technique should be disqualified. Moreover, scientific evidence cannot decide the best treatment for each patient and it is here where EBD is coming in. EBD is a process defined as “an approach to oral health care that requires the judicious integration of systematic assessments of clinically relevant scientific evidence, local oral and medical condition and history, with the dentist’s clinical expertise and the patient’s treatment needs and preferences.” Thus, it is important to stress that EBD is an integration of best research evidence with clinical expertise in order to manage the individual patient in an effective and cost-efficient way. Local clinical guidelines or treatment recommendations issued by various organizations are thought to harmonize interventions for groups of patients and should preferably also build on best available evidence. Such guidelines must be adapted for each country and for each local epidemiology, socioeconomic conditions, traditions, laws and regulations. Guidelines must also deal with the lack of scientific evidence and often issue recommendations based on “good clinical practice”, common sense or consensus statements. The cornerstone for population-based as well as individual intervention action are fluoride, fissure sealants and empowerment. The talk will provide some examples of evidence and guidelines for the best professional and self-care methods to prevent caries in children and adolescents.

6. Essentials in caries management - risk assessment and fluoridation

Carles Flores

Where are we today?

Nigel Pitts

This presentation will provide an overview of recent international joint working and initiatives to promote the standardisation of evidence based approaches to caries terminology, caries classification and caries management. The recent work led by the ICADS Foundation will be reviewed. This activity started with a clinical visual scoring system which has been developed from a systematic review of early caries diagnosis with the potential of use in dental education, clinical practice, research, and epidemiology. ICADS has now also been decided to: better quality information to inform decisions about appropriate diagnosis, prognosis and clinical management at both the individual and population levels. The ICADS Foundation has also been working to provide a framework for global, comprehensive clinical caries management for improved long-term outcomes and has developed, with partners, an open International Caries Classification and Management System, the ICCMS™. The ICCMS™ has a number of modules of variable complexity suitable for different populations: 1) Epidemiological Analysis; 2) Prevention Strategy; 3) Clinical Cariogram for individual patients in dental practice, 3) Population focussed Health Promotion & Prevention in Public Health and 4) Standardized and Evidence Based Cariology Education. This framework provides an overall structure with which to view the important contributions to clinical caries management which can be made by risk assessment and the use of fluorides.

Caries risk assessment: How and when?

Svante Teetman

Risk assessment is an essential component in the decision-making process for the prevention and management of dental caries. Multiple risk factors and indicators based on diet, oral hygiene and past caries experience have been proposed as predictors for future caries experience. Establishing a caries risk profile for which they are targeting is the current challenge. Systematic reviews and meta-analytic evidence to support that previous diet experience is the single best predictor for future caries development and that the usefulness of additional risk factors is questionable for schoolchildren and adolescents. In preschool children however, prediction models which include a variety of risk factors seem to increase the accuracy of the prediction. Family caries experience, transmission-related behavior, multiple streptococci counts, dietary habits, health beliefs, low family income and inadequate exposure to fluoride are important factors to consider. In general it is concluded that the use of a patient-specific risk assessment in toddlers and preschool children. Computer-based risk assessment tools such as the Cariogram may be of didactic use for patient’s understanding. When? Longitudinal clearly show that less than half of the children received a recall visit after a period of time (2 years). Consequently, regularly risk assessment will be necessary. The talk will present results from studies that show how specific risk assessment can be used to develop an individualized targeted preventive management plan. The outcome of the risk assessment should be decisive for the interval to the next recall.

Fluorides—insights in how they work

Adrian Lussi

The onset of caries is characterized by subclinical enamel dissolution on dental hard tissues. Changes of diet and/or caries-related factors in combination with optimal fluoride flux may or may not drive the progression of a lesion and even allow remineralization. The aim of modern dentistry must be a preventive approach rather than invasive repair of the disease. In this context fluoride has an established role in the prevention of caries. Practitioners must safeguard that the fluoride exposure as well as the variety of fluoride products and their individual effectiveness at the specific lesion is adequate as well. Some studies have shown that the exact mode of action was not well understood for years and still today there are open questions. This lecture will deal with the mode of action and its implication for daily practice.

Clinical success with different intensive fluoridation measures

Kathy Gooreset

Fluorides are applied as concentrated topapeutics and mouthrinses or as higher concentrated varnishes and gels. A brief review of meta-analyses and Cochrane Reviews illustrates the effects that can be achieved with these measures. In addition, we report our own results out of two studies focusing on the effectiveness of a children’s toothpaste (with 500 ppm fluoride) and a fluoride varnish. Study 1: Two- to four-year-old children attending kindergartens were randomly allocated to two groups. Children in the test group participated in daily supervised toothbrushing with 500 ppm fluoride toothpaste. Children in the control group received instruction on toothbrushing three to four times a year. After 30 months, the caries increment of the test group (Δdmf-t=-1.55) was 24% lower than that of the control group (Δdmf-t=-2.02, p=0.043). The results of this study show that a 500 ppm fluoride toothpaste is effective when applied on a daily basis. Study 2: Selective intensified prevention (SIP) including fluoride varnish applications four times per year was introduced at individual schools in underprivileged areas in Marburg County in 1995. The effectiveness of this program was evaluated in both grades (mean age: 12.06) in comparison with a control region. Caries was recorded using the ICADS® II. Combining ICADS scores 3 to 6, children from the control region (mean D3-DMFT: 1.73) showed roughly double the caries seen in the test group (mean D3-DMFT: 0.88, p < 0.005). The results indicate a clear effect of frequent fluoride varnish applications in underprivileged children.

7. Recent advances in the oral care of children with special needs

Ansgar Klippatrck

Autism Spectrum Disorders (ASD) are a group of neurodevelopmental disorders characterized by communication and social impairments which may play a key role in the child’s dental management. It may affect up to 1% of the population and as such is placing increasing demands on educational, health and social service providers. This presentation will summarise the oral health status of individuals with ASD and outline some evidence based strategies for optimizing their oral health and general well being.

Lasers in the use of soft tissue disorders in special care children

Rita Cauvet

Laser application is one of the latest developments in the field of dentistry. Nowadays there is a wide range of lasers with varying wavelengths for use in different procedures. They are not only enabling the surgeon to perform procedures without the need of medication, but also manifest with hyper or hypo sensitive reactions to touch around the oral area. This presentation will look at some of the research that has been used in a private practice setting will be used to highlight some of the alternative approaches to care and subjective experiences of parents and other health professionals.

Novel applications of fluorides for the caries-risk patient

Kynalassack JumToum

This lecture will deal with clinical experience and research investigating the use of slow-release devices for the long-term intra-oral provision of fluoride. 174 high caries-risk children aged 8 years with fluoride store-release glasses were shown to develop 87% fewer new carious lesions than those wearing placebo glasses (p<0.005). This demonstrates the benefits of laser surgery lies in the fact that it seals capillaries and lymphatic vessels directly while cutting, giving an almost bloodless operation field and better control of bleeding complications, for example in patients with coagulopathy. Thanks to a better control over postoperative edema, less intra- and post-operative pain is known, thus diminishing the need for medication. Moreover, it is documented that the laser creates locally sterile conditions. Also, wound healing does not necessitate wound dressing, and sutures can be avoided. Lasers with low energy are known to have a positive influence on healing by stimulating the periodontia tissue. The aim of this lecture is to inform about laser therapy as an alternative or supportive means to conventional therapies.

Improving oromotor function in children with Down syndrome

Clive Friedman

Children with Down syndrome have anatomical and physiological anomalies in the oral pharyngeal area that makes it more difficult for them to accomplish oral health related tasks such as eating, chewing, swallowing, drinking and speaking. Although some anatomical differences may be noted some authors contend that these are related to poor early interventions with modifications related to these at a young age. Improved oromotor function will play a role in the overall management of these individuals with ASD and outline some evidence based strategies for optimizing their oral health and general well being.

Anatomical and physiological differences seen often include small maxilla, high palate arch, brach, flaccid oral musculature. Many also manifest with hyper or hypo sensitive reactions to touch around the oral area. This presentation will look at some of the research that has been used in the adult down population and show how it has been applied in the pediatric population. A combination of approaches that have been used in a private practice setting will be used to highlight some of the alternative approaches to care and subjective responses of parents to these interventions will be discussed. Approaches that will be discussed include sensory integration, extra oral massage, use of glass ionomers to change the occlusion, and various appliance therapies.
8. Oligodontia and ectodermal dysplasia in children and adolescents: Diagnosis, habilitation and indications for dental implants

Clinical and genetic diagnostics in ectodermal dysplasia

John Timothy Wright

The ectodermal dysplasias (ED) are a clinically diverse and genetically heterogeneous group of conditions affecting the development of ectoderm and its derivatives. The current classification makes all conditions with two or more affected ectodermal derived tissues an ED. There are currently over 150 conditions classified as ED. The most commonly affected tissues include, hair, teeth, skin, sweat glands, and fingernails. Clinical manifestations also can include cleft lip/palate and limb defects. The oral manifestations of missing teeth are an important indicator in the diagnosis of ED. Since the first ED gene was discovered in 1996, over 40 ED genes have been identified, mostly on the basis of certain clinical entities and molecular analyses. Identifying the genetic mutations and the role of genes such as P63, DLX3, NEMO, EDA, WNT10A, and their associated proteins in the pathways involved in cell adhesion, the Wnt pathway, transcription factors and gene expression regulation, and cell communication and signaling is unraveling the molecular basis of the ectodermal dysplasias. There are currently over 150 conditions classified as ED. The only prospective clinical study on implants in EDs, reporting on 51 children and adults, found a survival rate of 91%. The armamentarium is considerable. In this presentation, a prospective, randomized clinical study of 60 children with Class II division 1 malocclusion will be discussed and examples of multidisciplinary treatment of children with ED will be presented.

Treatment with dental implants in children with ectodermal dysplasia

Birgitta Bergdahl

Dental implants are reported to be used mostly in boys with x-linked hypohidrotic ectodermal dysplasia (ED). The only indication for early dental treatment is anodontia of the lower jaw. In these cases dental implants are generally advocated from age 16 when the median stature of the mandible is closed. In cases of severe oligodontia, where there are some primary teeth, these can be used to support removable as well as fixed prostheses from around three years. Therefore treatment with dental implants can most often be postponed until growth is completed. In cases where ED is accompanied by manifestations for implant treatment in young individuals. Until now, half of publications on the use of dental implants in individuals with rare disorders reported on treatment in individuals with EDs, who constituted three-quarters of the treated patients. The only prospective clinical study on implants in EDs, reporting on 51 children and adults, found a survival rate of 91% in the implants, and 78% in the anterior maxilla. One in four had a failed implant, and most of the failures occurred before second stage surgery. Most studies report on small samples and single cases. Though most publications report results of successful treatment with implants in EDs they are usually reported in recent years in young children with hypohidrotic ED. A higher implant failure rate is observed in children with hypohidrotic ED are emerging, with early failures before second stage surgery, why the process of osseointegration seems to be compromised. The EDA gene is expressed by osteoblast secretion during skeletal development and, thus, mutations in this gene affect bone formation. Disturbed edentulism-masenchymal signalling seem to affect bone tissue, which may explain higher failure rates of complications and failed implants in hypohidrotic ED. In the literature on use of dental implants in EDs will be reviewed, and examples of treated patients will be discussed.

Invited Lectures

1. Evidence of Class II treatment with headgear and functional appliance

Johanna Norderyd

The management of Class II division I malocclusion can be treated in late mixed dentition or early permanent dentition. The dilemma of using a functional appliance or orthognathic surgery is often present. The choice of the type of orthodontic appliance is a matter of personal opinion. The rationale for using both methods is that the expansion of the arch in the transversal plane is not sufficient to obtain an ideal occlusion and jaw displacement. Evidence based orthodontic treatment is possible and should be outlined in clinical orthodontic practice.

2. The Caries Infiltration technique in paediatric dentistry

Ulrich Schnitker

The infiltration technique aims to arrest early carious lesions and to prevent them from further demineralization. An important condition for success is that there is no cavitation of the carious tissue. Studies show that approximal caries starts to develop during adolescence and in young adults. Thus, a target group of patients suitable for approximal caries infiltration are adolescents, making this technique a matter of paediatric dentistry. White spot smooth surface lesions which might occur after debonding of fixed orthodontic appliances are a further indication for infiltration which is related to adolescents. Clinical studies on approximal caries progression in adolescents and young adults have shown that the infiltration technique is able to reduce lesion progression significantly within 6 months. For this reason, it is expected that early use of infiltrates exhibited no signs of progression, while control lesions were arrested in only 37%. In young adults, a similar therapeutic effect following the infiltration of approximal lesions has been shown after 1 year. Radiographically, 23% of teeth with approximal caries progressed, but 77% of infiltrated lesions exhibited no signs of progression. The ability of the infiltrate and as well as a result of post-orthodontic white spot lesions, in some cases even to mask developmental enamel defects, has been shown. In conclusion, the infiltration technique is a promising technique to arrest and prevent further caries in paediatric dentistry, performing significantly better than other non-operative treatments.

3. Advances in orthodontic materials and their impact on clinical practice

Theodore Eliaides

The objective of the presentation is to critically review the advances in orthodontic treatment which derive from the introduction of new materials and techniques. The lecture lists the recent developments in miniscrews, aligners and brackets and emphasizes the role of bracket materials (ceramic, plastic, Ti), design (conventional and self-ligating) and manufacturing methods (MM, brazed, and laser-welded) in treatment. The effect of incorporating these advances on various treatment variables such as duration of treatment, dental effects, and periodontal and oral flora alterations is presented based on clinical evidence, mainly randomized clinical trials and systematic reviews. Lastly, the selection of bracket material, design and manufacturing process is discussed, and suggestions for a justified use of materials are made for practitioners.

4. DIAGNOcom: Clinical potential of a new optical device for caries detection and diagnosis

Jan Kühnisch

Clinical settings, diagnosis and monitoring is challenged on proximal and occlusal surfaces. Therefore, additional tools are highly recommended to achieve the aim of early caries detection at these caries-susceptible sites. In daily dental practice, radiographs are frequently used as the method of choice to compensate the drawbacks of the clinical investigation. Unfortunately, the precision of bitewing images is limited due to the potential hazards of irradiation. In addition, metal artefacts, i.e., due to orthodontic appliances, and overlapping projections of neighbouring teeth limit the diagnostic abilities of bitewing radiographs under real clinical conditions. This presentation will discuss methods which can be used to improve the accuracy of bitewing methods. Intraoral optical methods gained more and more attention within recent years. Out of several instruments the DIAGNOcom device (Karl, Biberach, Germany) seems to be the potential for clinical application especially on proximal surfaces. The device is using an aligned light source to illuminate the tooth enamel trough gingiva and alveolar bone. A CCD sensor is used to capture the grey level image from the occlusal perspective. Such images provide detailed information of the caries extension into enamel and dentin also on proximal surfaces. Beyond that, the DIAGNOcom system can be used as a benchmark for development future studies have to be conducted to evaluate the validity, reproducibility, ability to monitor caries lesions and clinical practicability. Nevertheless, first clinical applications have shown the potential to detect and diagnose visually non-detectable enamel and dentine caries lesions in the primary and permanent dentition in an early stage.

5. Fungal infections in children

Helen Papadogeorgakis

The incidence of fungal infections in children is increasing worldwide presenting a challenge to healthcare professionals. In immunocompetent children this increase is related to the exposure and direct contact to infected humans, animals, and the environment. Most fungal infections in children are related to the close contact to sports, household pets, crowded living conditions and suboptimal hygiene. Immunocompromised children especially those on intensive chemotherapy and immunosuppressive drugs are more prone to systemic fungal infections which can have an intriguing clinical appearance and can be life threatening. Most fungal infections in children are superficial infections that affect the stratum corneum of skin or the nails. The extension into enamel and dentin also on proximal surfaces. Beyond that, the DIAGNOcom system can be used as a benchmark for development future studies have to be conducted to evaluate the validity, reproducibility, ability to monitor caries lesions and clinical practicability. Nevertheless, first clinical applications have shown the potential to detect and diagnose visually non-detectable enamel and dentine caries lesions in the primary and permanent dentition in an early stage.

6. Genetic perspectives in paediatric dentistry

Irma Timmerman

Scientific breakthroughs during recent years in the fields of genetics and developmental biology have rapidly increased our understanding of the role of individual genes in the regulation of tooth development, and of the gene mutations causing congenital defects in teeth. Most of the important genes function in mediation of signalling between dental cells during early tooth development. Deletion of the function of many such genes cause mice tooth development and the mice have no teeth. There are many human conditions where the role of these genes is important. The lack of more than 6 teeth. Because the most frequent development of other tissues and organs as well, these patients have usually additional symptoms, most often in hair and eye conditions. Gene expression changes due to mutations in the genes that control tooth and hair development, abnormal tooth development, and abnormal hair development have also been identified. The new knowledge is already used in the diagnosis of some dental defects and can soon be expected to lead to novel possibilities to...
7. Stem cells-based therapeutic strategies in paediatric dentistry

Petros Papagarakis

Background: Dental tissues regeneration provides attractive alternatives to existing tooth restoration therapies. More than cosmetic appearance, tooth restoration is needed for patients of trauma and severe forms of tooth deformities. Numerous gene control mechanisms of endogenous tooth development and define the various dental territories (i.e., incisors, canines, premolars and molars) in the mouth, as well as the number of teeth, through a stem cell-based strategy for tooth development. George and colleagues have reported that the rate of tooth crown formation is determined by the stem cell populations with adequate signaling molecules. Aim: Our aim is to isolate adult and pediatric stem cell populations and evaluate their potential to regenerate their starting material we used implanted third molars from young patients and human amniotic fluid derived mesenchymal stem cells. Using a variety of techniques we isolated unique stem cells that were directed to regenerate enamel, dentin and cementum in vivo. Related to the use of stem cell populations can generate human dental tissue in vivo when grafted subcutaneously in the nude mouse. Transmission Electron Microscopy shows mineral deposition characteristic of dentin, cementum, and enamel as well as profiles of odontoblast, cementoblast and ameloblast-like cells. Conclusions: Although the prospect of tooth regeneration using stem cells is very attractive and our results are promising, it is not likely that they will replace routine clinical dental practices in the near future. However, it is clear that the rapid scientific and technological advancement will provide new information and solutions that may allow regenerate the teeth to become a routine for individuals with missing teeth or teeth.

8. From pulp protection and healing to pulp-dentine regeneration

Dorte Haubek

The challenge of the today dental research is to integrate advanced biological knowledge into the clinical problems of dental practice. For many years, the paediatric Dentistry has been used therapeutic approaches in primary or young permanent teeth aiming to protect the pulp in unexplored cavities or stimulate wound healing in pulp exposures affected by caries, physical injury or iatrogenic procedures. Discussions are still open about the ability of traditional materials (zinc oxide-ethyl-polyester, calcium hydroxide, thermanox, triclosan-collagen, glass ionomers, resin) or newer materials (MTA, biocement) to create an environment able to effectively oppose exogenous stimuli including bacterial, or toxic substances from restorative materials. It has been well recognized that the questions on validity of techniques using these materials cannot be answered in absence of high-quality randomized clinical trials. Furthermore, it is generally accepted that the nature and specificity of the biological mechanisms by which the amputated dentine-pulp complex is therapeutically healed determine the properties of the newly formed matrix and play a critical role in the outcome of dental treatment. Based on this concept dental scientists started to explore the potential of regenerative and tissue engineering-based strategies to design new materials and solutions of the most exciting directions of research in the fields of Pediatric Dentistry and Endodontology is to design new treatment modalities for the indirect and direct pulp capping situations. Experiments in a wide range of ex vivo and animal models revealed that the trans-dentinal stimulation of new dentine formation in unexposed cavities or the partial at least reconstruction of the lost dentine in exposed pulps are therapeutically possible. Traditional techniques and promising regenerative approaches are reviewed in this presentation.

9. Influence of the neck dimensions of pacifiers on flexibility and intra-oral force distribution

Hans-Peter Bantleon

Background: A pacifier may be seen as child’s first oral appliance. Yet little research is available on the ideal properties that will facilitate a natural dentiovascular development. Aim: The aim of the study was to test the influence of a pacifier’s neck dimensions on its flexibility and ability to provide intra oral force distribution. Materials & Methods: 13 different silicone pacifiers were included in this study. The precise neck-dimensions were obtained using an optical measuring method. 5 samples of each pacifier were tested in order to assure the reduced exposure of the child to the cariogenic foods. More specifically, parents should avoid the consumption of cariogenic foods and restricting those that are either sticky or slow eaten. In conclusion, prevent certain disorders, in particular ectodermal dysplasia. There are also hopes that the new information could be used in the future for regeneration of dental tissues, perhaps even bioengineering whole new teeth.

10. The role of a clinical dietitian in preserving paediatric dental health

Kalliopi-Angiou Poulla

It is well established that a balanced nutrition and healthy dietary habits can contribute to the development and maintenance of healthy teeth, especially in children, and at the same time dental integrity secures the consumption of a varied and healthy diet throughout the patient's life due undoubtedly impact on oral health in different ways. Dental erosion in children is due to a combination of factors including consumption of tooth with cariogenic bacteria, type of food and frequency of exposure of this food to the cariogenic bacteria and susceptible teeth. Sugars are considered the most cariogenic substances of food, especially when they are consumed in forms that remain in the mouth for longer periods. Fluoridated water and adoption of good oral hygiene habits even from the early years on can prevent the majority of the potential cariogenic effects. Nutrition education should aim not only in the awareness of children in the importance of a healthy diet but also in the development of skills to select and choose a healthy diet. In conclusion, they should respond the adoption of eating patterns consistent with the Mediterranean Food Guide pyramid, clearing the oral cavity of the child quickly after the consumption of a cariogenic food and restricting snacks that are either sticky or slow eaten. In conclusion, along with nutritional factors, a comprehensive approach to preventing dental caries in children must include improved general dietary habits, good oral hygiene, appropriate use of fluoride, and access to preventive and restorative dental care.

11. MIH: A few more pieces of the puzzle?

David Manton

Molar Hypomineralisation Hyperamalnosis (MIH) is a prevalent condition with more than one sixth of children affected in many diverse communities, and around 5% affected. The aetiology of MIH is still uncertain. The major physical defect of hyperamalnised enamel may result in hardness related to decrease mineral content. Subsequent to this, the prognosis of currently available restorative procedures is poor. This talk will discuss how a thorough understanding of the mechanisms that contribute to the physical characteristics of hyperamalnised enamel related to this to clinical performance and how it can be improved, including removing enamel undercuts and different methods to improve resin bond strengths. This research will be discussed as well recent prevalence and aetiological factor studies.

12. Longevity of restorative materials in primary and permanent dentition.

Reinhard Hickel

In the last decades numerous materials e.g. composites, packable and flowable composites, nanofiller composites etc. were introduced and used clinically. The question is how these different materials behave in long term clinical results in comparison to GIC, amalgam or indirect restorations (inlays etc.). Longevity of dental restorations is dependent upon many different factors, that are dentin-, patient- and materials-related. It has to be seen that in account of clinical results that restorations are not only influenced by the restorative materials itself but also by type of adhesive, light curing and incremental techniques etc.Looking at failures one distinguish between reasons that cause early failures, e.g. postoperative hypersensitivity and those that are responsible for restoration loss after several years of service, e.g. secondary caries or wear. Principal reasons for failure for ceramic restorations were fractures. Interestingly for the more recent studies fractures is also the most frequent reason for composite followed by secondary caries (new term: caries adjacent to restoration). The evaluators also can influence the results strongly. Therefore a new recommendation for conducting clinical studies has been published in 2007 (FDI criteria) [Hickel et al. 2007, Update 2010] which can improve quality and comparison of published studies, too.

13. Early diagnosis and treatment of periodontal disease

Dorte Haubek

The presentation will give an update on the role of the paediatric dentist in the management of aggressive periodontitis. Aggressive periodontitis is an inflammatory condition of the tooth-supporting tissues induced by microbial stimuli. The aetiology of the disease is not yet fully understood and it may be involved in the genetic predisposition to the particular variant type of the oral bacterium Aggregatibacter actinomycetemcomitans(Aa) in dental plaque is of importance in the aetiology of the disease. Particular focus will be given to the new information on and the clinical relevance of the occurrence of a highly leukotoxin: JP2 clone of Aa in dental plaque. The JP2 clone of Aa is strongly associated with initiation of periodontal attachment loss among young people. Mapping of the geographic occurrence of the JP2 clone of Aa in different countries has revealed the JP2 clone has today been spread to many countries worldwide by human migration. However, the JP2 clone has also been spread to West Africa, from where it might have been transferred to the American continent during the transatlantic slave trade Today, the JP2 clone has been spread to many countries by human migration. In the future, JP2 clone colonization with the JP2 clone of individuals of African descent, despite geographical separation from the American continent for centuries, indicating that the JP2 clone colonization has been able to be studied further in the future. Indications for a potential use of microbial diagnostic testing in the paediatric dental clinic will be discussed.


Anna Fiks

The dental esthetics has grown significantly for adults and children alike. A recent survey has reported that pediatric dentists did change their professional preference in order to comply with the parental desire for esthetics for their children. Excellent esthetic outcomes of stainless steel crowns have been obtained for stainless steel crowns (strip crowns) for decades and also fractured anterior primary incisors. The JP2 clone, which is perhaps the most aesthetic of all the restorations available to treat severely decayed primary incisors, is also the most aesthetic restoration to be used. However, the JP2 clone has today been spread to many countries worldwide by human migration. In the future, JP2 clone colonization has been able to be studied further in the future. Indications for a potential use of microbial diagnostic testing in the paediatric dental clinic will be discussed.

15. Nd YAG laser application for the management of soft and periodontal tissues

Joanne K. Karouzas

Nd:YAG laser is a useful technology applied in several therapeutic procedures in the oral cavity, including gingivectomy/gingivoplasty, frenectomy and osseous removal. Nd:YAG laser presents adequate penetration depth in soft pigmented tissues, achieving a decent hemostasis, in relation to other laser devices. The advantages of laser treatment over conventional methods make it a friendly procedure for the patient. Reduction or elimination of post surgical intolerance, need for local anesthetics, suturing, pain medication and antibiotics, are some of the advantages of the use of laser. During this lecture, the applicability of Nd:YAG laser therapy in pediatric patients will be analyzed. Clinical cases of pediatric patients will be presented, where the patients underwent soft tissue surgery with the application of Nd:YAG laser. Additionally, the currently available literature evaluating the efficacy of the Nd:YAG laser application for the patient. Reduction or elimination of post surgical intolerance, need for local anesthetics, suturing, pain medication and antibiotics, is to design new treatment modalities for the indirect and direct pulp capping situations. Experiments in a wide range of ex vivo and animal models revealed that the trans-dentinal stimulation of new dentine formation in unexposed cavities or the partial at least reconstruction of the lost dentine in exposed pulps are therapeutically possible. Traditional techniques and promising regenerative approaches are reviewed in this presentation.

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16. The use of NITI rotary instruments in endodontics: a critical approach

George Kostouros

The Ni-Ti rotary endodontic files have become a necessity for the clinician who wants to perform an up to date root canal treatment. Numerous studies have been developed, each of them promising an effective and easy way of chemomechanical preparation of the root canal system. The debate whether hand instrumentation can be abandoned by those systems who is based on most researches and clinical evidence, many clinicians in fact do not even know, so a rotary system can produce a totally clean and perfectly shaped root canal. However, it is true that, when used thoroughly, rotary files can be of great help to the clinician. A critical approach to the use and limitations of such systems is essential, one should want to take advantage of the unique characteristics of Ni-Ti rotary endodontic instruments, without risking irrational mishaps such as separation of the file, creation of ledges, transportation of the canal etc.

17. Child protection and the dental team

Richard Webbury

The expectation of most societies and cultures are that children should be protected from abuse, and professionals including dental practitioners and their staff, have an important role to play in safeguarding children. ‘Safeguarding’ is an activity undertaken to protect specific children who are suffering, or are at risk of suffering, significant harm. Additionally, children in need can be defined as those who require additional support or services to achieve their full potential. If families can be supported at this stage there may be less requirement for child protection action, as potential crises may be averted. At least 50% of the signs of physical child abuse manifest in the orofacial region. Any staff are in an ideal position to alert child protection agencies to concerns about possible abuse. Indeed they may be the first, or only, healthcare workers to see an “at risk” child especially if they are attending either for a routine check or being referred by the school. There are numerous reports in the literature where the dentist was the initial professional to suspect non-accidental injury. Orofacial injuries may occur in isolation or in conjunction with other injuries. The most common extraoral injuries are bruising, abrasions and lacerations, and less common burns, bites, fractures, eye injuries, and hair pulling. Intrarotational injuries, abrasions and lacerations, and tooth trauma are all common. Dental neglect resulting in severe dental disease may be due to a parent or carer’s lack of knowledge of its causation, or from difficulty accessing dental care. If such problems have been overcome and the child still fails to attend for continuing care then the question of dental neglect as part of general neglect should be considered. In such cases a multidisciplinary approach is required and the dental team should work with other health and social care agencies. There is now much evidence-based information on how children can be prevented from suffering abuse and it is up to all the professions who look after children to put into action the knowledge that has been gained.

18. Athens 2011 Special Olympics Special Smiles

Steven Perlman

Since its inception in 1994, Special Olympics Special Smiles has become the world’s largest dental screening program for children and adults with intellectual disabilities. In 2011, over 220 programs will take place, 90 in the United States and over 130 internationally. When children and adults in intellectual disability are screened, Special Olympics has the world’s largest database for people with intellectual disabilities. Special Smiles has many components. Its primary goals are: to conduct dental screenings and education at Special Olympics events, to increase dentists professional awareness of the oral health problems people with special needs face, and develop a body of knowledge about the oral health needs of individuals with intellectual disabilities. As a result, it provides information that will help professionals who treat its athletes, help to implement dental education programs in professional schools, serve as advocates on standards and quality of care for people with intellectual disabilities. The program provides training and educational programs, workshops designed for dental professionals recognize and report suspected physical and sexual abuse, and help to develop adaptive sports programs. Special Smiles is now part of a worldwide initiative, including, vision, podiatry, medicine, physical therapy, hearing, nutrition and health promotion. From June 24 to July 4, 2011, more than 7,000 athletes from 180 countries, over 2,500 coaches and tens of thousands of people will participate in the 2011 World Summer Games in Athens. Hosted by the dental school in Athens and the Hellenic Dental Society, it promises to be an unforgettable experience. Special Olympics welcomes anyone interested in becoming involved in their country’s programs to attend this session.

19. Caries risk assessment & management: How the early work on demineralization and remineralization led to an understanding of the caries process

In memoriam Theodore Koulouries

John D.B. Featherstone

Early studies by Koulouries and others on the mechanism of demineralization and remineralization in the dental caries process have evolved into decades into the concept of the caries balance. This concept is the underpinning for caries management by risk assessment. Effective management of dental caries is critical for the success of the general dentist and the pediatric dentist. Dental caries is a progressive disease that progresses when acid produced by bacterial action on dietary fermentable carbohydrates travels into the tooth and dissolves the carbonated hydroxyapatite mineral. Pathological factors, including acidic bacteria, salivary dysfunction, and rate of enamel demineralization, lead to cavitated lesions. Protective factors, which include antibacterial, salivary calcium, phosphate, and proteins, salivary flow, and fluoride in saliva can balance, prevent or reverse dental caries. Remineralization is the natural repair process for the early lesion. This presentation will summarize the science behind the “caries balance” concept, which is the key to caries management by risk assessment in clinical practice.
Oral Session O04/Syndromes and Genetics

O04-25 Multi-disciplinary dental treatment in a child with Amelogenesis Imperfecta

J. B. KRIKKEN, A. J. VAN WIJK, J. M. TEN CATE

Glasgow Dental Hospital and School, Glasgow, Scotland, UK

1 Department of Oral and Maxillofacial Surgery, Dental School, University of Saara, Finland

2 Department of Oral and Maxillofacial Surgery, Dental School, University of Munich, Munich, Germany

3 Dental Public Health Sciences, University of Washington, Seattle WA, USA

4 Department of Therapeutic Dentistry, Riga Stradins University, Riga, Latvia

5 Department of Paediatric Dentistry, Shef University Dental School, Sheffield, UK

O04-26 Complete microodontia in the primary and permanent dentition

B. DURAND® & S. ROSTERSON

Department of Pediatric Dentistry, Malmö University Dental Centre, Malmö, Sweden

O04-27 The impact of the dental manifestations of ectodermal dysplasia on affected children

E. ALYASSI, A. WAGNER, N. KLEPPICK & P. CRAWDI

Palo Alto University School of Dental Medicine, Palo Alto, CA, USA

1 Department for Pediatric and Preventive Dentistry, Faculty of Dentistry, Mugla University, Mugla, Turkey

2 Restorative Dentistry, Department of Biostatistics, Medical School, Faculties of Medicine, Marmara University, Istanbul, Turkey

O04-28 Down syndrome children in Kelantan, Malaysia: dental attendance and mother’s oral health knowledge

A. YUSSOFF, Y. CHINTHAKUL, M. S. AHMAD-RAZIN & M. Y. S. SAR 

School of Dental Sciences, Universiti Sains Malaysia, Kubang Kerian, Malaysia

O04-29 Managing oligodontia in children and adolescents. The role of the multidisciplinary team

E. A. PISSKOTT, M. N. K. MOSTATHIS, A. E. ATHANASIS

1 Department of Pediatric Prosthodontics, School of Dentistry, Aristotle University of Thessaloniki, Greece

2 Department of Pediatric Dentistry, School of Dental Medicine, Aristotle University of Thessaloniki, Greece

3 Department of Orthodontics, School of Dental Medicine, Aristotle University of Thessaloniki, Greece

O04-30 Oral and maxillofacial surgery: implant-supported overdenture in a child with Ectodermal dysplasia

M. MONTANARI, P. BATTILLO, M. CALLEO, F. RADOVICH

IRCCS Burlo Garofolo Trieste, Italy

1 Unit of Oral Health and Development, School of Clinical Dentistry, University of Sheffield, Sheffield, UK

2 Department of Paediatric Dentistry, Hadassah School of Dental Medicine, Hebrew University, Jerusalem, Israel

3 Department of Oral Rehabilitation, School of Dental Sciences, Universiti Sains Malaysia, Kubang Kerian, Malaysia
### Poster Session P28/Periodontology – Syndromes & Genetics 2-Special Needs Patients

#### P28-501
Quantitative analysis of the relationship between periodontalpockets and clinical indices in adolescents

**N. Y. YANG, Q. ZHANG & G. SI**
1. Department of Endodontics, Dental School, University of Athens, Athens, Greece
2. Private Practice, Greece

#### P28-503
Clinical and microbial findings in adolescents with aggressive periodontitis

**M. M. SHARAFELDIN, H. Z. ELARDEEN & I. BOLSTAD**
1. Dental School, University of Athens, Athens, Greece
2. Department of Periodontology, Faculty of Dentistry, University of Bergen, Norway

#### P28-504
Management of impacted maxillary canines: surgical exposure in adolescents

**O. MIKOGROS, I. PREZIANOS, G. E. V. VLACHODIMITRI, T. BADOTTIS, C. MARKOPULOS & P. MADIANOS**
1. Department of Periodontology, Dental School, University of Athens, Athens, Greece

#### P28-505
Treatment management of gingival overgrowth

**M. E. VLACHODIMITRI, C. DOKULI, V. PAVIS, I. K. KAROSSIUS & S. A. VRITOS**
1. Dental School, University of Athens, Athens, Greece

#### P28-506
Rehabilitation of a maxillary central incisor with a socket preservation technique and a resin-bonded bridge in a pediatric patient

**A. S. MIKOGROS, I. K. KAROSSIUS, P. N. MADIANOS, K. T. SKARIDAS, G. E. V. VLACHODIMITRI, G. E. V. VLACHODIMITRI & G. E. V. VLACHODIMITRI**
1. Department of Operative Dentistry, Dental School, University of Athens, Athens, Greece
2. Dental School, University of Athens, Athens, Greece
3. Department of Endodontics, Dental School, University of Athens, Athens, Greece

#### P28-507
Assessment of periodontal treatment in generalized aggressive periodontitis. Case report in a girl with Down Syndrome follow up of 5 years

**S. PETRIGOULOU, E. PEPELASIS & A. TSAMI**
1. Department of Periodontology, Dental School, University of Athens, Athens, Greece

#### P28-508
The carrier status of fungal flora in oral-entopathological children

**E. Y. BADETSE, M. R. BODILSKI & S. TITOF**
1. ENT Pediatric Department Russia State Medical University, Moscow, Russia

#### P28-509
Antimicrobial activity of extracts from S. Rebaudiana in Staphylococcus aureus and Enterococcus faecalis

**P. GAMBORG & A. CHAVEIS**
1. Department of Microbiology and Dental Research Center, Bogota, Colombia
2. Javeriana University, Dental Research Center, Bogota, Colombia

#### P28-510
Distraction osseous a patient with von Willenbrand factor deficiency; case report

**C. T. THEODOROPOULOS, C. MATSIOLA, E. MANASII, H. PLATKOCUKI & I. IATROU**
1. University Department of Oral and Maxillofacial Surgery, Dental School, Athens, Greece
2. A & P Rikonou Children's Hospital, Athens, Greece
3. Dental School, University of Athens, Athens, Greece

### Poster Session P29/Dental Trauma – TMJ/ Xrays/ Education

#### P29-521
Correlation between malocclusion, occlusal vertical dimension and temporomandibular disorder in children and adolescents

1. Rehabilitation Sciences Master Degree Program Nove De Julho University – UNINOVE, São Paulo, SP, Brazil
2. School of Dentistry, University of São Paulo, Ribeirão Preto, SP, Brazil

#### P29-522
Temporomandibular disorders and tension type headache

1. University Department of Orthodontics, Dental School, University of Athens, Athens, Greece
2. Dental School, University of Athens, Athens, Greece

#### P29-523
Management of impacted maxillary canines: surgical exposure in adolescents

**S. MALLIENI, R. ANTHONYPA & N. K. TAGALAKI, P. CHRISTOPOULOS, K. KYRITSI, P. PARTALIS & P. CHRISTOPOULOS**
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3. Department of Oral Surgery, Dental School, University of Athens, Athens, Greece
4. Department of Orthodontics and Orthopedics, School of Dentistry, University of Geneva, Switzerland

#### P29-524
Grinding teeth (Bruxism) in infancy and childhood

**I. TAGALAKI, K. KYRITSI, P. CHRISTOPOULOS, E. G. PAPAZOGLOU, E. G. PAPAZOGLOU & M. NASKA**
1. Dental School, University of Athens, Athens, Greece
2. School of Dentistry, University of Athens, Athens, Greece
3. Department of Orthodontics and Orthopedics, School of Dentistry, University of Geneva, Switzerland
4. Department of Pathology, Sismanoglio Hospital, Athens, Greece
5. Department of Pathology, Sismanoglio Hospital, Athens, Greece

#### P29-525
Conservative approach for the rehabilitation of anterior tooth trauma: two case reports

**G. VIERZU, M. ANAGNOSTOU & G. MOUNTOURIS**
1. Department of Prosthodontics, Dental School, University of Athens, Athens, Greece
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3. A & P Rikonou Children's Hospital, Athens, Greece
4. Department of Dental Traumatology and Tmj Surgery, Dental School, University of Athens, Athens, Greece

#### P29-526
Radiographic localization of supernumerary teeth in maxilla

**S. MALLIENI, R. ANTHONYPA & N. K. TAGALAKI, P. CHRISTOPOULOS, K. KYRITSI, P. PARTALIS & P. CHRISTOPOULOS**
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#### P29-527
Treatment of a 14-year-old patient with multiple tooth luxations

**T. SUGIYAMA, T. YAMADA, D. MELDOWNS & T. OOSHIMA**
1. Department of Restorative Dentistry, Dental School, University of Tokyo, Tokyo, Japan
2. Department of Pathology, Dental School, University of Tokyo, Tokyo, Japan
3. Department of Restorative Dentistry, Dental School, University of Tokyo, Tokyo, Japan
4. Department of Pathology, Dental School, University of Tokyo, Tokyo, Japan

#### P29-528
School teachers’ knowledge and practices concerning oral care of children with autism

**E. CHEHRZAD**
1. School of Dentistry, University of Shef

#### P29-529
Conservative approach for the rehabilitation of anterior tooth trauma: two case reports

**G. VIERZU, M. ANAGNOSTOU & G. MOUNTOURIS**
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4. Department of Dental Traumatology and Tmj Surgery, Dental School, University of Athens, Athens, Greece

#### P29-530
Undergraduate experience and confidence in paediatric dentistry: two years multi-centre evaluation

**A. ALBAINI & H. ROOD**
1. Department of Dentistry, University of Liverpool, UK
2. School of Dentistry, University of Leeds, UK
3. Unit of Oral Health and Development, University of Sheffield, UK

#### P29-531
Greek paediatricians knowledge about child’s oral health

**T. THOFUK & G. KOTZINOU**
1. Department of Paediatrics and Community Dentistry, Dental School, University of Athens, Athens, Greece
2. School of Dentistry, University of Athens, Athens, Greece

#### P29-532
The role of Chinese paediatricians in children’s oral health

**C. ZHAO & T. HOPE, C. VERCAMER, P. B. SHU & L. BUSTOS**
1. Department of Paediatrics, Faculty of Medicine, University of La Frontera, Temuco, Chile
2. Public Health Department, Faculty of Medicine, University of La Frontera, Temuco, Chile

#### P29-533
Early student experience in paediatric preventive dentistry: an analysis of the preparatory level courses

**M. POLYCHRONOPOULOU**
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2. Department of Paediatric Dentistry, Dental School, University of Athens, Athens, Greece

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**June 15-18, 2011, Athens, Greece**
SPEAKERS, COORDINATORS & CHAIRPERSONS

ANDREAS AGOUROPULOS
Dr. Andreas Agouropoulos was born in Greece and graduated from the University of Athens, Dental School in 1997. He received a Certificate in Paediatric Dentistry from Tufts University, School of Dental Medicine, Boston, USA in 2003 and a M.Sc. Degree in Oral Biology from the University of Athens in 2008. He is currently a PhD candidate in Oral Biology at the University of Athens. Since 2003 he is working in private practice and as a clinical instructor at the Post graduate Department of Paediatric Dentistry of Athens University. He is a member of the Board of the Hellenic Society of Paediatric Dentistry and member of other scientific societies in Greece and internationally. He has participated as a speaker in several congresses in Greece and abroad. In 2009, he was the recipient of the Montia Award of IAPD for best research paper. His current research interests are in prevention of dental caries, behaviours related to oral hygiene and obesity in preschool children.

EDUARDO A. ALCAINO
Dr Alcaino is a specialist paediatric dentist who has been in full time specialist private practice since 1999. After completing his Bachelor degree (BDS-Hons) in 1988 at the University of Sydney, he worked in general practice for 8 years. He is currently a Clinical Associate Lecturer with the University of Sydney and a visiting specialist to both the Sydney Dental Hospital (SDH) and the Westmead Centre for Oral Health (WCH). He trained his Fellowship with the Royal Australasian College of Dental Surgeons (RACDS) in 1992. His main area of interest within paediatric dentistry is paediatric sedation, and he has lectured nationally and internationally on this topic, including seminars by Harvard Medical School, Boston, USA. Dr Alcaino is currently President Elect of the International Association of Paediatric Dentistry (IAPD).

WILLEM EVERT VAN AMERONGEN
Willem Evert van Amerongen graduated from dentistry in 1972. In 1980, he completed his PhD titled: “Quality aspects of activities of dental nurses”. Dr Amerongen is Head of the Department of Paediatric Dentistry since 1986. His activities are mainly focused on the education of dental students, patient treatment, research and supervision. In 1994 he became involved with the World Health Organization (WHO) concerning the Atraumatic Restorative Technique (ART), which resulted in a number of projects in developing countries. This involvement steered his interests towards community-based aspects of caries risk in child population. He was President of the Dutch Association of Paediatric Dentistry for a six year period and recently, he was awarded an honorary membership. Since 2002, he has represented the Netherlands as councillor for the European Academy of Paediatric Dentistry (EAPD) and in 2005, as national councillor for the International Association of Paediatric Dentistry (IAPD). He is (co-)author of or approximately 75 publications; he has contributed to several books.

JENS OVE ANDREASEN
Dr. Andreasen received his dental degree from the Royal Dental College, Copenhagen, in 1959. He did his postgraduate training in Oral and Maxillofacial Surgery at the University Hospital in Copenhagen, where he now is an associate Professor. Dr. Andreasen has authored 350 publications and ten textbooks, covering topics such as dental traumatology, tooth replantation and autotransplantation, tooth eruption and tooth impaction. In relation to traumatology the textbook and Color Atlas of Dental Traumatology is now in its 4th edition and include 42 contributors. A new interactive Dental Trauma Guide is now about to be launched on the internet. It contains information of prospective long term studies of all types of traumatic dental injuries carried out at the trauma center and Department of Oral and Maxillo-Facial surgery as well as information from 50 animal experiments reproducing treatment scenarios of various dental traumas affecting primary as well as permanent teeth. Dr. Andreasen has received four honorary doctorate degrees and has been an invited lecturer in 45 countries.

ATHANASSIOS ATHANASSIOU
Dr. Athanassios E. Athanassio is Professor, Chairman and Program Director at the Department of Orthodontics, School of Dentistry, Aristotle University of Thessaloniki, Greece. He received his Dental Degree and Doctorate Degree from the University of Athens, Greece in 1979 and 1981, respectively, and his Certificate in Orthodontics and Master of Dental Sciences in 1985 from Temple University, U.S.A. He has also attended postgraduate studies at the University of London, England, Lancaster Cleft Palate Clinic, U.S.A., and Albert Einstein Medical Center, U.S.A. He is President of the Hellenic National Academic Recognition and Information Center of the Greek Ministry of Education. He was President (2005-2010), Vice-President (2000-2005) and Executive Committee Member (1996-2000) of the World Federation of Orthodontists (W.F.O.), President (2000-2002) and Secretary-General (1998-2000) of the European Federation of Orthodontics (F.E.O.), President of the Greek Orthodontic Society (1997-2005), and Dean (2003-2007) and Vice-Dean (2001-2003) of the School of Dentistry, Aristotle University of Thessaloniki. He is a honorary member of several Orthodontic Societies and he has received many distinctions and awards. He served or serves as referee or member of the editorial board of numerous scientific journals, has published more than 150 scientific articles, chapters and books, has supervised more than 40 Doctorate Degree (Ph.D.) and Master theses, and has presented more than 350 lectures, papers and seminars in 47 countries. Since 1992, Professor Athanassio maintains in Athens a private practice limited to orthodontics.

HANS PETER BANTLEON
Hans-Peter Bantleon received his D.M.D. from the School of Dentistry at the University of Graz in 1981. He became an Assistant at the Departments of Oral and Maxillofacial Surgery in February 1982 and subsequently Assistant Professor at the Department of Orthodontics in 1987. In 1989 he earned his qualification as University Lecturer for Dentistry with special regard to Orthodontics. He is a Full Professor and Head of Department of Orthodontics at the School of Dentistry, University of Vienna since 1992. Main fields of research are biomechanics, bonding techniques and material aspects. Since 1996 he is Chairman of the Austrian Society of Orthodontists. He is member of the European Orthodontic Society, member of the World Federation of Orthodontists and member of the Angle Society of Europe. He was President of the 82nd Congress of the European Orthodontic Society 2006. He has authored and co-authored more than 200 publications as well as 7 textbook chapters.

BIRGITTA BERGENDAL
Dr Birgitta Bergendal is head of the National Oral Disability Centre for rare disorders at the Institute for Postgraduate Dental Education in Jönköping, Sweden. The Centre was established in 1999 to increase knowledge on diagnosis and treatment of oral and dental signs and symptoms in rare disorders. Dr Bergendal is a specialist in prosthetic dentistry and holds a doctoral degree from Umeå University, Sweden. She got her specialist training at the Karolinska Institute in Stockholm, Sweden, and has worked as a clinical specialist and a tutor in specialist education.

MARCELO BÔNECKER
Professor and Chair Paediatric Dentistry Department –School of Dentistry - University of São Paulo – Brazil. Chair of Education Committee IAPD. Post Doc at Wits University- Dental Research Institute – South Africa. PhD at Epidemiology and Public Health Dept. University College London – England. Co-Editor of the Brazilian Oral Research (BOR) - scientific journal.
ANGUS CAMERON

Assoc.Prof Cameron completed Dentistry at the University of Sydney in 1984 and began work as a dental officer at Westmead Hospital. He joined the Paediatric Department as a junior registrar in 1987 and was the first person to complete the Master of Dental Science degree in Paediatric Dentistry in NSW in 1991. He was appointed specialist in 1992 and Head of Department in 1997. He is now Clinical Associate Professor and Head of Discipline in Paediatric Dentistry at the University of Sydney. He also holds academic appointments at Adelaide, Newcastle and Charles Sturt Universities and is Registrar of the Royal Australasian College of Dental Surgeons. In 2007 he was elected a Fellow of the Royal College of Surgeons on Health Care since 2010 and the Kluge Distinguished Chair on Technology and Society, Library of Congress, Washington DC, since 2011. Prof. Chrousos is internationally recognized for his research on the glucocorticoid signaling system of the cell, on the diseases of the hypothalamic-pituitary-adrenal axis, and on the physiological and molecular mechanisms of stress. His contributions span a range of medical disciplines, including Medicine, Pediatrics, Endocrinology, Psychiatry, Allergy, Surgery, Oncology and Reproductive Medicine. Dr. Chrousos has written over 600 original scientific papers and his work has been cited in more than 52,000 other scientific articles, an irrefutable testimony to the importance and influence of his research. He is one of the most cited scientists internationally (ISI highly cited) both in Clinical Medicine and in Biology and Biochemistry and the highest cited clinical endocrinologist and pediatrician in the world. Dr. Chrousos has received numerous national and international awards and has given many lectures in the USA, Europe and Japan. He was inducted as a Master of both the American College of Endocrinology and the American College of Physicians. He is president of the European Society of Clinical Investigation. He is an elected member of the Institute of Medicine, The National Academies, Washington DC, USA, and the Academia Europaea, London, UK.

RITA CAUWELS

Rita Cauwels graduated in 1980 and ran a general practice focusing on paediatric dentistry. In 1987 she received her MSc in Paediatric Dentistry and Special Care from the Ghent University. For many years she contributed regularly to the congresses of IADH, IAPD and EAPD. Dr. Cauwels is actual council member of IAPD for Belgium. Since 2002 she has been working as a full-time clinical assistant at the department of Paediatric Dentistry focussed on special care at the University Hospital Ghent and is a member of the PaedMed research group. She is preparing a PhD thesis on dental traumatology in collaboration with the university of Turku (Finland). One of her clinical interests includes laser treatment in paediatric dentistry and Low Level Laser therapy in oncology patients.

ERNEST CHOLAKIS

Dr. Ernest Cholakis obtained his DMD in 1982 from the University of Manitoba and his MBA in 2002 from the University of Chicago Graduate School of Business. As a dental student he was the recipient of the Preventative Dentistry Award for his work in dental wellness. In 2007, Dr. Cholakis launched Kids Dental, founded on the Preventative model of care that integrates risk profiling, advanced prevention, educational programs, nutritional counseling and clinical research with the goal of eliminating Canada’s most chronic childhood disease – tooth decay. He is a recipient of Her Majesty’s Golden Jubilee Medal for his contributions to dentistry and his community.

GEORGE P. CHROUSOS

George P. Chrousos is Professor and Chairman of the First Department of Pediatrics at the University of Athens School of Medicine, Athens, Greece, and former Chief of the Pediatric and Reproductive Endocrinology Branch of the National Institute of Child Health and Human Development (NICHD), National Institutes of Health (NIH), Bethesda, Maryland. He also holds the UNESCO Chair on Adolescent Health Care since 2010 and the Kluge Distinguished Chair on Technology and Society, Library of Congress, Washington DC, since 2011. Prof. Chrousos is internationally recognized for his research on the glucocorticoid signaling system of the cell, on the diseases of the hypothalamic-pituitary-adrenal axis, and on the physiological and molecular mechanisms of stress. His contributions span a range of medical disciplines, including Medicine, Pediatrics, Endocrinology, Psychiatry, Allergy, Surgery, Oncology and Reproductive Medicine. Dr. Chrousos has written over 600 original scientific papers and his work has been cited in more than 52,000 other scientific articles, an irrefutable testimony to the importance and influence of his research. He is one of the most cited scientists internationally (ISI highly cited) both in Clinical Medicine and in Biology and Biochemistry and the highest cited clinical endocrinologist and pediatrician in the world. Dr. Chrousos has received numerous national and international awards and has given many lectures in the USA, Europe and Japan. He was inducted as a Master of both the American College of Endocrinology and the American College of Physicians. He is president of the European Society of Clinical Investigation. He is an elected member of the Institute of Medicine, The National Academies, Washington DC, USA, and the Academia Europaea, London, UK.

CARLA COHN

Dr. Cohn graduated from the University of Manitoba in 1991. She then went on to complete a post-graduate internship in Paediatric Dentistry. Today at Dr. Cohn’s private practice, Kid’s Dental, the focus is on prevention. Preventia is the risk assessment based model for diagnosis and prevention created by Dr. Cohn and streamlined at Kid’s Dental. It is both pro-active and ground breaking. Preventia is a system that will finally allow the hope for a cavity free future. In addition to private practice, Dr. Cohn is a clinical instructor, part-time, in Paediatric Dentistry at the University of Manitoba. Dr. Cohn is a partner at a private surgical clinic. Dr. Cohn lectures internationally on prevention and Paediatric Dentistry for the general dentist. Dr. Cohn’s lecture topics include: risk assessment, prevention, behaviour management and restorative treatment options. She speaks as a clinician who has observed first hand and dealt directly with everything presented in her courses.

YASMI CRYSTAL

Dr. Crystal, received a DDS degree from the Technologic University of Mexico; a Pediatric Dentistry certificate from Eastman Dental Center, University of Rochester, and DMD degree from University of Medicine and Dentistry of New Jersey. She is a Diplomate of the American Board of Pediatric Dentistry, is an Associate Professor at the Department of Pediatric Dentistry at New York University College of Dentistry, and has been in private practice of Pediatric Dentistry in New Jersey since 1996. She has been an Executive Board member and lecturer for the Society for the Advancement of Anesthesia and Pain Control from 1996–to date. Was co-director of Continuing Education for the New Jersey Society of Dentistry for Children from 1988 to 2003; Co-director of Continuing Education for the New Jersey Academy of Pediatric Dentistry from 1988 to the present date. She was President of NJAAPD from 2000 to 2006, and expert Consultant to the American Academy of Pediatric Dentistry’s Council of Clinical Affairs from 2000 to 2003. Currently, Dr. Crystal is a Media Spokesperson for the AAPD and District II Trustee (covering Delaware, District of Columbia, Maryland, New Jersey, Pennsylvania, members in the Federal Services and foreign countries not specifically cited) and an Oral Health preceptor and consultant for the American Academy of Pediatrics.

KEVIN DONLY

Kevin Donley, DDS, MS is currently a Professor and Chair in the Department of Pediatric Dentistry and Professor in the Department of Pediatrics at the University of Texas Health Science Center at San Antonio. Previous positions include Professor and Associate Director of the Center for Clinical Studies at the University of Iowa, Associate Professor; Pediatric Dentistry at the University of Texas Dental Branch at Houston and Associate Professor, The University of Texas Medical School. He received his D.D.S. in 1984, Certificate in Pediatric Dentistry in 1986, and M.S. in 1986 from the University of Iowa. Dr. Donley is a Diplomat of the American Board of Pediatric Dentistry, on the Board of Trustees for the American Academy of Pediatric Dentistry, was on the Board of Directors for the American Academy of Pediatric Dentistry Foundation, is the previous Chair of the American Academy of Pediatric Dentistry Council on Post-doctoral Education, is Past-President of the American Society of Dentistry for Children and past Chair of the Public Information Committee for the American Academy of Pediatric Dentistry. He has published over 350 chapters, manuscripts and abstracts associated with pediatric, preventive and restorative materials research and clinical utilization. Presently, he is a principal investigator on an R01 Grant sponsored by the National Institute of Dental and Craniofacial Research. He has received grants or research support from the JM, ESPE, Premier, Bisco, GC, Dental, Ivoclar, Kerr, Proctor and Gamble, Church and Dwight, Optiva, Oral-B, Enamelon, Atix Laboratories, Inc. and Guidor companies.

MONTY DUGGAL

Professor Monty Duggal obtained his dental degree in 1983 and his MDS in Paediatric Dentistry in 1986 in India. He then immigrated to the United Kingdom and obtained his FDSRCS from the Royal College of Surgeons of England and his PhD from Leeds University. He joined Leeds Dental Institute as a Junior Lecturer in 1989 and is currently a Professor and Head of Child Dental Health. He oversees a large postgraduate programme in Paediatric Dentistry which has international acclaim. Professor Duggal has published over 100 research papers in international journals. He is also the author of "Restorative
Techniques in Paediatric Dentistry, which has been published in 7 languages and has sold over 12000 copies worldwide. He is also a co-author of a textbook on Dental Traumatology and has Co-Edited “Paediatric Dentistry” by Oxford. He has obtained research grants to the total value of over 5.5 million pounds. His main research interest is Cariology and Translation Research in Clinical Paediatric Dentistry, including dental traumatology and he is charge of the Trauma and Transplantation service at the Leeds Dental Institute. In his spare time he enjoys cricket, which is his second passion after Paediatric Dentistry.

STELLA EFSLATIADIS

Dr. Stella Efratidis is Professor Emmerita of Clinical Dentistry in Orthodontics at Columbia University, College of Dental Medicine (New York, USA). She received her postgraduate orthodontic education at Harvard University, School of Dental Medicine and Forsyth Dental Institute in Boston, Massachusetts, where she later held teaching appointments. She is Diplomate of the American Board of Orthodontics. She is member of several orthodontic organizations, including the Angle Society (Eastern Component). She has numerous publications and has given presentations at national and international meetings.

GEORGE ELIADES

George Elaidas was born in Athens, Greece. He graduated from the University of Athens, School of Dentistry in 1982 and earned his Doctoral Degree from the same university in 1985. He received his postgraduate education in Biomaterials at the University of California, Los Angeles (UCLA). For 12 years he served as Head of the Quality Control Laboratory of the Greek Notified Body for Medical Materials and Devices. In 2000 he joined the University of Athens, School of Dentistry. Currently he is Professor and Director of the Department of Biomaterials. He has given more than 350 presentations in conferences, has authored more than 150 scientific papers and 12 chapters in textbooks, and is co-editor of 2 international books. He is a Fellow of the Academy of Dental Materials, member of the editorial board of 4 international journals, reviewer in 25 international journals and participates in several scientific societies and groups. His research interests are focused on the characterization of interactions between material surfaces and tissues. His work has been awarded with several prizes, including the IADR Wilmer Souder Award, the highest honor in the field of Dental Materials research.

THEODORE ELIADES

Theodore Elaidas is an Associate Professor at the Aristotle University of Thessaloniki, Greece, and affiliated with Texas, Marquette, Manchester, and Born Universities. He graduated from the University of Athens and the postgraduate orthodontic program of the Ohio State University and holds degrees in Biomaterials: a Master’s from Ohio State, a doctorate from the University of Athens, School of Medicine, and a PhD from the University of Manchester. Dr. Elaidas has published 120 articles and 20 book chapters in 8 books, which have been cited more than 1200 times; he has also edited 6 textbooks published by major houses, some translated into 4 languages. The diffusion of this work into fields associated with natural and engineering sciences led to his election as a Fellow in the Royal Society of Chemistry, and the Institute of Materials, Minerals and Mining. He is the founding Editor of the Journal of Dental Biomechanics (Sage), has served as Guest Editor for the Seminars in Orthodontics, and Associate Editor of the European Journal of Orthodontics, is Associate Editor of the American Journal of Orthodontics and Dental Facial Orthopedics, Editorial Board member in 5 and reviewer in 30 journals.

DIMITRIS EMMANOUL

Dr Dimitris Emmannoul graduated from Athens University School of Dentistry in 1984. He specialized at Children’s Hospital of Wisconsin, USA in Pediatric Dentistry. He holds an MS from Marquette University, USA and a PhD from the University of Athens, Greece. He has done extensive research work on nitrous oxide pharmacology that won awards from AAPD, IAPD and ASDA. He has published in the international literature and has been invited in various occasions to lecture both nationally and internationally. He is currently Associate Professor at the Department of Veterinary Dentistry, University of Athens, Dental School and adjunct Assistant professor at Washington State University, School of Pharmacy, USA where he continues his research on nitrous oxide. He is President Elect of the International Association of Dentistry for Disability and Oral Health (IADH). He is also Honorary Treasurer of the American Dental Society of Europe. He is a member of the scientific committee of Muscular Dystrophy Association of Greece (MDA Hellas) and the National co-ordinator of the Special Smiles for Special Olympics Greece, hosting the Special Olympics in Athens this year.

JOHN D.B. FEATHERSTONE

John Featherstone, MSc, PhD, is Professor of Preventive and Restorative Dental Sciences at the University of California, San Francisco (UCSF) and Dean of the School of Dentistry. He earned his MSc in physical chemistry from the University of Manchester (UK) and a PhD in chemistry from the University of Auckland (New Zealand). His research over the past 34 years has covered several aspects of cariology including fluoride mechanisms of action, caries risk assessment, de- and remineralization of the teeth, apatite chemistry, saliva dysfunction, caries prevention, and laser effects on dental hard tissues with emphasis on caries prevention and early caries removal. He is currently active in implementing caries management by risk assessment in several dental schools across the nation. He has won numerous national and international awards, including the International Association for Dental Research distinguished scientist award for research in dental caries (2000), the Zeolite Prize from the European Caries Research Organization (2002) for his lifelong contributions to caries research, the "Ericsson Prize in Preventive Dentistry" by the Swedish Patent Fund (2002) and the Norton Ross Award for excellence in clinical research from the American Dental Association (2007). He has published over 200 manuscripts and book chapters.

CLIVE FRIEDMAN

Clive is a Graduate of the University of Witwatersrand South Africa - received his specialty in Pediatric Dentistry University of New Orleans. Is in full time clinical practice 81-present. Assoc Clinical Professor Schulich School of Medicine and Dentistry as well as the University of Toronto where he teaches the graduate seminars in Behaviour. Clive is a Diplomate of the American Board of Pediatric Dentistry and Fellow SCD. Clive was a past president of ADPD, and IADH. He currently sits on the editorial board of BDJ and is a member of Clinical And Scientific Affairs committee for the Canadian Dental Association. He has lectured extensively both Nationally and Internationally with specific interest in Risk Management, Early Childhood Caries, Special Needs and Behavior.

ANNA FUKS

Prof. Anna B. Fufs was born in Curitiba, Brazil, and graduated in Dentistry by the Federal University of the State of Parana. She completed her post-graduate course in Pediatric Dentistry at the University at Alabama, U.S.A. in 1966, and did her residency at the Children’s Hospital of the same university. She then returned to her home town in Brazil, where she practiced and taught Pediatric Dentistry at the University of Parana until 1973. At that same year she immigrated to Israel and joined the Department of Pediatric Dentistry of the Hebrew University of Jerusalem, Israel. Following an academic career, she reached the degree of Professor that she maintains until the present day. Concurrently to teaching and clinical practice Prof. Fufs dedicated herself to clinical and laboratory research, and became a Board member of the International Association of Pediatric Dentistry (IAPD). As visiting professor at the Medical Research Institute of the University of the Witwatersrand (Wits), Johannesburg, South Africa and of the Universities of New Jersey, USA and London, Ontario, Canada, she developed research studies mainly in the fields of Pulp Therapy, Dental Materials and Restorative Techniques. Being fluent in English, Spanish, Portuguese, and Hebrew, she lectured and taught courses in Pediatric Dentistry in several countries and became honorary member of the Mexican, Italian, Belgian and Brazilian Academies of Pediatric Dentistry.

SOTIRIA GIZANI

Dr. Sotiria Gizani obtained her DDS from the University of Thessaloniki (Greece) in 1991. In 1994, she obtained her Master’s in Dental Sciences from the Catholic University of Leuven (Belgium) and in 1998 her clinical internship Certificate in Paediatric Dentistry. She is a Fellow in Paediatric Dentistry from the same university. From 1998 until today, she has been affiliated with the Department of Paediatric Dentistry.
Dentistry of the University of Athens, first as a scientific collaborator from 1998-2007 and since then as a Lecturer. She has authored several peer-reviewed international and national scientific papers and she has presented her work in numerous national and international congresses. Her research interests are mainly focused on new preventive methods of oral health, molecular oral microbiology techniques, epidemiology and patients with oral health special needs.

PETER GREGORY
Following 10 years in general practice, Dr Gregory completed his postgraduate training in Paediatric Dentistry at the University of Western Australia. He has held the positions of Visiting Professor at Northwestern University Dental School, Chicago, Illinois, USA; Head of Paediatric Dentistry, Perth Dental Hospital, Perth, Western Australia; Federal President of the Australian and New Zealand Society of Paediatric Dentistry (ANZSPD); and Federal President of the Australasian Academy of Paediatric Dentistry (AAPD). Dr Gregory has also served on the Board of Studies and as an Examiner (Paediatric Dentistry) for the Royal Australasian College of Dental Surgeons.

MIKE HARRISON
Mike started his specialist training in Wales before completing higher training in paediatric dentistry at Guy’s Hospital London. His early research interests included facial injury sustained by cyclists, and the use of cycle safety helmets for injury prevention. Involvement with patients with hypodontia led to a period of laboratory-based molecular genetic research at the Institute of Child Health, London, and his subsequent clinical interests have focused on patients with genetic disorders, particularly skeletal dysplasias and genetic dermatology. He regularly lectures on dental dysmorphology, and has a particular ambition to make the new era of molecular genetics relevant to general dental practitioners.

DORTE HAUBEK
Dr Hauberk is Associate professor, Department of Paediatric Dentistry, School of Dentistry, University of Aarhus, Denmark, Consultant dentist (dental treatment in general anaesthesia), the Municipal Dental Service of Aarhus, Aarhus, Denmark. Academic training: 1992: DMD, School of Dentistry, University of Aarhus, Denmark. 1998: PhD degree in Oral Biology/Odontology, University of Aarhus, Denmark. Current position, Associate professor, since 2002: Department of Paediatric Dentistry, School of Dentistry, University of Aarhus and since 2007 Consultant dentist in the Municipal Dental Service, Aarhus, Denmark. Honours - research prizes: 3 prizes received in 1997, 2002, and 2006. Publications: International publications (56 papers in peer-reviewed journals); Book chapters (2 chapters); Other publications (14 articles).

MARK HECTOR
Mark Hector was born in Nairobi, Kenya and first graduated in Physiology, then in Dentistry in 1981. There followed 3 years at the University of Bristol and Kings College, London where he received his PhD. Following 3 years in oral medicine and pathology at Guys Hospital Dental School he was recruited to The London Medical College as a lecturer in Child Dental Health under Professor Alan Brook. From 1990-1997 Mark was Hon Secretary and Hon Treasurer to the IAPD. From 1999-2003 he took on the post of Editor under the editor in chief Ruth Holt. For the last 20 years Mark has been closely involved in the delivery of a very successful masters programme in Paediatric Dentistry, attracting students from around the world, co-authored numerous scientific articles, and regularly contributes to international congresses. He currently holds the Chair of Oral Health of Children at Barts and The London School of Medicine and Dentistry, and thrives on taking an active role in teaching paediatric dentistry to undergraduate and postgraduate students. To maintain a balance he also co-supervises several PhD students. To maintain a degree of sanity he is a silversmith, and has been responsible for the design and production of the IAPD Medal.

REINHARD HICKEL
Prof. Dr. Reinhard Hickel, who currently fills the position as Professor and Head of the Department for Conservative Dentistry (Restorative and Endo), Periodontology and Paediatric Dentistry at the Ludwig-Maximilians-University of Munich, has also been the Dean of the Dental School of the University of Munich since 1998. He is world-renowned as a lecturer and has presented honorary lectures in USA, Japan, Taiwan, China, Thailand, India, Korea, South Africa and many European countries. Moreover, he was invited by the Academy of Operative Dentistry to present the Buonocore memorial lecture in 2004. Prof. Hickel, who is a member of the Editorial Boards of 10 international scientific journals, has over 300 publications, 6 books and 25 book chapters to his name. His main subjects of research include: New restorative materials (especially composite, GIC, ceramic, veneers, CAD-CAM-systems), minimally invasive dentistry, Toxicology and side effects of restorative materials, Laser and Ozone (in Endodontology, Periodontology, Restorative Dentistry), Prevention, new diagnostic systems and paediatric dentistry, Wear and erosion.

MARIE THERESE HOSEY
Dr Marie Therese Hosey is Professor and Head of Department of Paediatric Dentistry at the Kings College Dental Institute based in, Kings College Hospital, London. Graduating in Glasgow in 1985, she was among the few dentists in the United Kingdom with training in administering general anaesthesia. Her Masters thesis focussed on methods of evaluating the efficacy of conscious sedation in children. Professor Hosey completed both her higher specialist training in Paediatric Dentistry and her Doctorate, which studied the effects of liver disease and transplantation on the oral tissues, in Birmingham, England. She moved to Glasgow in 1998 where she was appointed as Senior Lecturer and later as Reader in Paediatric Dentistry. She is a Fellow of the Royal College of Surgeons of Glasgow and an examiner for the Intercollegiate Fellowship Speciality Examination in Paediatric Dentistry. She wrote the RCS (Eng) clinical guideline on paediatric conscious sedation, and is a past council member of the Association of Dental Anaesthetists and the Dental Sedation Teachers Group. She has co-authored three dental textbooks and one medical textbook and is editor of four. She has an interest in 3D imaging, particularly in relation to infants with cleft lip and palate. She has an international reputation her research to the management of anxious children and her expertise in the management of child patients with liver transplants.

MILTON HOUPT
Dr. Milton Houpt is professor and chair of the Department of Pediatric Dentistry and director of the Postdoctoral Program in Pediatric Dentistry at the UMDNJ-New Jersey Dental School. He also served as Associate Dean for Academic Affairs of the New Jersey Dental School from 2004-2008. Dr. Houpt received the Doctor of Dental Surgery degree from the University of Toronto in 1960 and the Master of Dental Science (1968), Master of Education (1970), and Doctor of Philosophy (1971) degrees from the University of Pittsburgh. In 1968, he attained a Certificate of Specialty in Pediatric Dentistry and in 1980 he became a Diplomate of the American Board of Pediatric Dentistry. Dr. Houpt has served on the editorial boards of six national refereed journals and for seven years, he served as Editor in Chief for Pediatric Dentistry, the journal of the American Academy of Pediatric Dentistry. In May 2004, he was designated as Editor Emeritus of that journal. In June 2009, he was elected to serve as the Honorary Editor of the International Association of Paediatric Dentistry He has given more than 50 international presentations and has published more than thirty editorials, 60 research abstracts, and 65 manuscripts in the areas of cariology, dental materials, and conscious sedation. Dr. Houpt served as a consultant to the American Dental Association Commission on Dental Accreditation, the Test Construction Committee of the National Dental Examination Board, and the National Institutes of Health Health Resources and Service Administration. For seven years, he was a member of the Board of Trustees of the American Academy of Pediatric Dentistry. In June, 2009, he was elected to the Board of Directors of the International Association of Paediatric Dentistry.
JENNIFER IRWIN

Dr. Don Morrow holds a PhD in the Health Sciences and has over 25 years of experience working as a professor at all levels of the Canadian university educational system. He is a certified professional coach trained and accredited with both the Coaches Training Institute and the International Coach Federation. Don is an experienced coach and Motivational Interviewing (MI) workshop facilitator. His evidence-based research and publications focus specifically on using MI as a coaching behavior change intervention.

AFRODITE KAKABOURA

Afrodite Kakaboura, DDS, PhD, is Professor in Operative Dentistry, Faculty of Dentistry, National and Kapodistrian University (NKU) in Athens Greece. She received her DDS degree in 1983 from Aristotle University, Thessaloniki and her PhD in 1988 from NKU, Athens. She works as researcher in the Department of Dental Materials Science, School of Dentistry, ACTA, Amsterdam, Netherlands. Dr Kakaboura is involved with the research fields of dental restorative materials, conservative dentistry and dental education. She has published up to 80 papers, in national and international journals. She is author of five chapters in international scientific books and co-editor in two dental books. She has received up to 10 national and international research honors and awards, and funded grants.

IOANNIS K. KAROUSsis

Dr Ioannis K. Karoussis received an honorary Degree in Dental Medicine for excellence during studies from the University of Athens (1994). At the same University he received a honorary Masters Degree in Oral Biology (1998) and he graduated the Specialization program in Periodontology (1999). He continued his postgraduate studies at the University of Berne, Switzerland where he received his Dr med Dent title (2002) and he was further specialized in Periodontology and Oral Implantology (2002). He is an Assistant Professor at the Department of Periodontology at the National and Kapodistrian University of Athens and he runs a Private practice limited to Periodontology and Implant Dentistry. During his career Dr Karoussis was honoured with a Colgate Palmolive Hellas award for excellence during studies, with a scholarship from the National Scholarship Foundation of Greece, for achievement of the highest marks among postgraduates in all fields of specialization, with a Papavramidis Foundation scholarship for his doctoral thesis in Berne, Switzerland, with a scholarship from International Team for Oral Implantology (ITI) and he received the "Sigi- Nachwuchsförderpreis" Award of the Swiss Society of Implantology for the best research project (2002), and the 1st “Robert Frank” Senior Prize from the Continental European Division of the IADR (2002). He has published in several national and international journals and is as Associate Editor of the Journal: “Odontostomatologische Progress” Published in Athens Greece.

KATERINA KAVVADIA

Dr. Katerina Kavvadia graduated from the University of Athens Dental School, received in 1988 her pediatric dentistry certificate and Master’s in Dental Sciences at the University of Connecticut, USA and then in 1994 earned her PhD at the University of Athens Dental School - Greece. She has been a staff member at the Department of Paediatric Dentistry University of Athens since 1996 and is currently an assistant professor. Her research work has been presented in numerous national and international congresses. She has authored 35 scientific articles and has co-authored a textbook. She has been since 2008 the councilor of Greece in EAPD and she is also chairing the EAPD education committee. She is presently the editor of the Hellenic Journal of Paedodontia.

NICKY KILPATRICK

Dr Kilpatrick graduated from the University of Birmingham, UK and underwent her specialist paediatric dental training in various London hospitals before completing her PhD at the University of Newcastle upon Tyne in 1993. Following a fellowship year at the Royal Children’s Hospital in Melbourne Australia she took up the position of Senior Lecturer in Paediatric Dentistry at the University of Sydney. In 1999 she returned to the Royal Children’s Hospital as Director of the Department Dentistry where she also co-directed the Cleft Lip and Palate service. In mid 2010 she returned to the United Kingdom to take up the Chair in Paediatric Dentistry at the University of Bristol. She remains an Honorary Fellow of the Murdoch Children’s Research Institute, has over 60 publications and lectures frequently around the world. Her clinical interests focus on the oral health and management of children with special healthcare needs including cleft lip and palate.

DENIS KINANE

Denis F. Kinane, BDS, PhD, is the Morton Amsterdam Dean of the University of Pennsylvania School of Dental Medicine. He also holds appointments with Penn Dental Medicine as Professor of Pathology and of Periodontics. A native of Scotland, Dr. Kinane spent much of his distinguished career there, earning his bachelor of dental surgery and his PhD in microbiology from the University of Edinburgh in 1980 and 1983 respectively, and serving on the University of Glasgow Dental School faculty for 14 years, where he held the posts of Professor and Chair of Periodontology and Oral Immunology and Associate Dean for Research and Enterprise. Dr. Kinane is a member of the Faculties of Dental Surgery of the Royal College of Surgeons of Edinburgh in restorative dentistry and the Royal College of Physicians and Surgeons of Glasgow in periodontics. His research interests focus on periodontal immune and inflammatory processes, mainly addressing the causes, development, and susceptibility markers of periodontal disease. His work also examines the relationships between periodontal disease and systemic health and diseases such as diabetes and heart disease, involving research into inflammation, immunity, microbial pathogenesis, genetics, and systemic disease markers. An internationally respected lecturer, Dr. Kinane is widely published in U.S. and international peer-reviewed journals and serves on the editorial boards of several international journals. He is a member of the Executive Committee of the European Academy of Periodontology and served as Chair of the Gordon Conference on Periodontal Research, 2006-2009.

NIGEL KING

Nigel King, who is Professor in Paediatric Dentistry, at the University of Hong Kong, holds BDS and MSc degrees with honours from the University of London. His PhD from the University of Hong Kong was on developmental defects of enamel. He is a Member of the Royal Australasian College of Dental Surgeons, a Fellow of the Hong Kong Academy of Dental Surgery (Dental Surgery), the College of Dental Surgeons of Hong Kong and the Royal College of Surgeons of Edinburgh. Currently, he is President of the Australasian Academy of Paediatric Dentistry and Chairman of the Board of Examiners for the Dental Council of Hong Kong Licensing Examination. He has supervised 3 PhD and 2 MPhil students and over 50 postgraduate diploma and master students in Paediatric Dentistry. Currently, he is supervising 8 PhD students. Professor King has published over 200 scientific papers, and 16 chapters in dental text books.

GUNILLA KLINGBERG

Gunnilla Klingberg, senior consultant in paediatric dentistry at Munk-H Center, the Swedish National Orfocal Resource Centre for Rare Diagnoses in Gothenburg, and associate professor in paediatric dentistry at the Sahlgrenska Academy, University of Gothenburg, Sweden. Gunnilla is specialist in paediatric dentistry since 1996, and completed her PhD degree in paediatric dentistry the same year with the thesis Dental fear and behaviour management problems. A study of measurement, prevalence, concomitant factors, and clinical effects. Her research profile concerns orofacial aspects on rare disorders and medical conditions, behavioural sciences in odontology, pain, dental hard tissue and dental soft tissue, research methods applied on dental sciences. A special focus is on patients’ perspectives on dental care. She has published over 50 scientific papers or
chapters in text books. Gunilla was board member of IAPD 2003-2007, is presently on the board of the Swedish Society of Paediatric Dentistry, and president of the Swedish Dental Association. Gunilla drives a Saab.

GORAN KOCH
Professor Göran Koch graduated in Malmö, Sweden, and in 1967 he defended his thesis on the clinical results of resin- and metal-cored inlays. In 1972 he became head of the Department of Paediatric Dentistry at The Institute for Postgraduate Dental Education, Jönköping, Sweden. He was appointed professor in paediatric dentistry at the Karolinska Institute, Stockholm, and at the Faculty of Odontology, Göteborg, Sweden. Professor Koch has edited a number of textbooks and written numerous chapters in these books. He has published more than 200 scientific papers and lectured all over the world. He has been President of the Swedish Society of Paediatric Dentistry and the European Academy of Paediatric Dentistry. From 2003 to 2009 he was IAPD’s Honorary Editor of International Journal of Paediatric Dentistry. For 6 years he was President of the Swedish Dental Association and for 17 years President of the Swedish Dental Society. Since more than 35 years he is the editor of Swedish Dental Journal. He is Honorary member of a large number of National Dental Associations. His long involvement in congress and educational matters within FDI has rendered him to be on FDI List of Honour. He has been awarded Doctor Honours Causa by the University of Athens. His main fields of interest are all aspects of paediatric dentistry and preventive dental care and he is active in clinics, research, and education at his mother Institute.

EVANGELOS KONTAKIOTIS
Dr. E.G. Kontakiotis was educated in the National and Kapodistrian University of Athens gaining his DDS in 1979 and his PhD in 1989. He is an Associate Professor at the University of Athens Dental School, Department of Endodontology and he is also Head of the Postgraduate Endodontology Clinic at the same University. He worked as a researcher during 1996 -1997 in ACTA, University of Amsterdam, Netherlands. Dr. Kontakiotis maintains a private practice limited to Endodontics in Athens, Greece and he has accumulated an eight-year period of experience in incorporating magnification into daily endodontic practice. His research teaching and supervising is focused on microleakage studies, antimicrobial and biological properties of biomaterials and recently on shaping ability of hand and rotary instruments. Dr. kontakiotis has published more than 100 scientific articles and (national and international) which have received a lot of references and is co-author of the GREGE edition of “Clinical Endodontology”.

GEORGE KOSTOUROS

NORBERT KRÄMER
Dr Nobert Krämer is Director of the Policlinic of Paediatric Dentistry in Giessen, Germany since 2009. In 1987 he completed his Dissertation at the University of Erlangen where he worked as Assistant Professor and then Associate Professor. He received his Ph.D. from University of Erlangen in 1987 and served as Head of the Department of Paediatric Dentistry in Dresden (2006-2006). He has served as member, Secretary and President of the German Society for Paediatric and he is currently the President of the European Academy of Paediatric. Dr Nobert Krämer is a member of the Editorial Board of American Journal of Orthodontics and Dentofacial Orthopedics, European Journal of Paediatric Dentistry, Oralprophylaxe and Kinderzahnheilkunde (Editor), Quintessenz and Up2date.

JAN KUHNISCH

JAMIE LUCAS
Dr Lucas is a visiting consultant at the National Hospital of Odontostomatology, Ho Chi Minh City Vietnam where he is involved in the evaluation of a Multidisciplinary approach to Cleft Care and also the incidence of cleft lip and palate in Southern Vietnam. Dr Lucas is past president of the Australian Academy of Paediatric Dentistry.

ADRIAN LUSSI
Dr. Adriano Lussi is Professor and Head of the Department of Operative, Preventive and Paediatric Dentistry, University of Bern, Switzerland. In the same Department he was head of the Pediatric Dentistry Division for eleven years. He holds a diploma in chemistry of the Swiss Federal University of Technology, Zurich, Switzerland, a teaching licence at college level with chemistry as main subject as well as a diploma and a doctorate in dentistry of the University Bern, Switzerland. His research over the past 25 years has covered several aspects of erosion, caries diagnosis as well as minimally invasive preparation techniques in operative dentistry. The publication in English has reached a number of over 200 and he has published 9 books. He received numerous National and International awards (1999 - Wrigley Prize for prevention in dentistry, 2004 - Swiss Science Forum. First prize for a novel prophylactic system, 2006 - Yngve Ericsson Prize for research in preventive dentistry, 2008 - IADR - Research in dental caries award, 2009 - ORCA Prize for Caries Research)

NICK A. LYgidakis
Nick A. Lygidakis is working in Athens in a private practice limited to Paediatric Dentistry, Oral Surgery and Orthodontics. In 2000 he organized and developed the first in Greece Community Dental Center for Children and an attached Hospital Unit for General Anaesthesia, where he still works as Consultant Paediatric Dentist. He is also Honorary Reader in Paediatric Dentistry in the Leeds University, UK, where he teaches in the postgraduate PD program. He holds a Master of Science in Medicine degree (Genetics), a Master of Science in Dentistry degree (Child Dental Health), and a PhD degree (Oral-Facial Genetics). He is at present, President of the Hellenic Society of Paediatric Dentistry and Past-President of the European Academy of Paediatric Dentistry. In the latter, being a founding member, he has served for many years in various committees and he has been involved in the organization of a number of scientific activities. He has published more than 50 papers in peer reviewed scientific journals and over 130 abstracts in Hellenic and International Congresses. His research and clinical interests are in the fields of dental anomalies, special needs patients treated under general anaesthesia, trauma, fissure sealants and epidemiology and he is frequently an invited Lecturer at home and abroad on these subjects.
***PHOEBUS MADIANOS***  
Dr. Phoebus N. Madianos is Professor at the Department of Periodontology, University of Athens, Hellas. He is also Director of the Graduate Program in Periodontology. He received his DDS degree in 1989 from the University of Athens. In 1992, he completed his graduate training in Periodontology at Goethe University and in 1997 he received his Ph.D. degree in Oral Microbiology from the same University. From 1998 to 2000 he was a Post-Doctoral Research Fellow and from 2000 to 2002 Assistant Professor at the University of North Carolina. He is an executive committee member of the European Federation of Periodontology and a Board member of the Continental European Division of the International Association for Dental Research. He published over 40 scientific papers in international journals, which have received over 1500 citations, in the fields of periodontal pathogenesis, periodontal medicine and implantology. He received the “Hans-R. Mühlmann Research Prize” by the Swiss Society of Periodontology in 1997, the “Anthony A. Rizzo Young Investigator Award” by the IADR Periodontal Research Group in 2004 and the “Clinical Research Award” by the American Academy of Periodontology in 2006.

***MARGARITA MAKOU***  
Dr. Margarita Makou is an Associate Professor and Head of the Department of Orthodontics at the Dental School of the University of Athens. She graduated from the Dental School of the University of Athens, received her postgraduate orthodontic education and Master’s degree in Oral Biology at Boston University, School of graduate dentistry and her PhD degree at the University of Athens. She is member of several orthodontic organizations. Her fields of research interest include biomechanics and periodontal considerations in the orthodontic patient. She has contributed to numerous scientific publications.

***DAVID MANTON***  
Graduated BDSc (Melb) in 1984 and worked in general practice until 1991 when he undertook an MDSc in Paediatric Dentistry. He was dental advisor to the Federal Government from 1994 – 1996 and won the KG Sutherland Prize of the RACDS in 2007. David is currently the Elston Storey Professor of Child Dental Health and heads the section of Growth and Development (Paediatric Dentistry and Orthodontics) at The University of Melbourne. He is an executive committee member of the European Federation in Endodontics in Athens.

***LUC MARTENS***  
Prof Dr Luc MARTENS is chairman of the dept. of Paediatric Dentistry at the university of Ghent-Belgium. He is the director of the Masters programme in Paediatric Dentistry and coordinates the PaedCaMeD research group. He promoted 6 PhD theses and published > 175 papers of which about 100 International papers, 55 papers in the dutch language and > 20 chapters in books. Furthermore he is author, co-author of > 200 scientific abstracts, Prof Martens is a scientific advisor of the European Archives of Paediatric Dentistry, member of the editorial board of Quintessenz International, Journal of Oral laser applications, Oral health and preventive dentistry and Journal of Oral health and disability. He is also reviewer for several other international journals. Furthermore he is a well-known national and international lecturer and organised the 3rd EAPD congress (Bruges 1996) and the 4th European Laser conference. (Bruges 2006) in Belgium. Prof. Martens is founding member and past-president of the Belgian (BAPD) and the European Academy of Paediatric Dentistry (EAPD). In 2008 he became past-president of the International Association for disability and oral health (IADH) and the organiser of the 20th IADH world congress (Ghent-2010). In 2007 he was appointed as visiting professor for Special Care Dentistry at ACTA-Amsterdam.

***DON MORROW***  
Dr. Don Morrow holds a PhD in the Health Sciences and has over 25 years of experience working as a researcher. Dr. Morrow has affiliations with the Department of Dentistry, Faculty of Medicine and Dental Science at the University of British Columbia. He is an experienced coach and Motivational Interviewing (MI) workshop facilitator. His evidence-based research and publications focus specifically on using MI and coaching as behavior change interventions for a variety of health issues. He is a widely published author and an experienced presenter to groups varying from small workshops to assemblies of 1200 people.

***KONSTANTINOS NIAMONITOS***  
Assist. Professor Konstantinos Niamonitos obtained his DDS Degree from Athens University School of Dentistry (Greece) in 1979. In 1984, he obtained his clinical internship in Endodontics and his Master’s in Medical Science in Oral Biology from Harvard University and Forsyth Dental Center of Boston U.S.A. In 1988, he obtained his PhD Degree from Athens University. From 1997 until today, he has been affiliated with the Department of Endodontics of the University of Athens, first as a Scientific Collaborator (1997-2007) and since then as an Assistant Professor. From 1984 until today, he also has a clinical practice limited to Endodontics in Athens.

***KYPROS NICOLAIDES***  
Kypros Nicolaides studied Medicine at King’s College School of Medicine and Dentistry in London. Dr. Nicolaides became director of the Harris Birthright Research Centre for Fetal Medicine, the first fetal medicine unit in the United Kingdom. He began a programme of research and teaching which made King’s College Hospital an important center of fetal medicine activities for thousands of visiting doctors. Nicolaides discarded the fetoscope and pursued all blood sampling procedures by taking blood from the placental cord insertion, popularising the term “cordocentesis”. His research in Prenatal Diagnosis covers a wide span of topics extending into the many realms of prenatal ultrasonography, cytogenetic studies and doppler velocimetry. His studies on the relationship between fetal abnormalities and chromosome defects and other data on nuchal translucency for example remain the most significant data on these subjects. He has contributed to over 500 journal articles and more than 30 books and monographs. In 1996 he established the Fetal Medicine Foundation which runs regular courses with an international panel of speakers and delegates attending from all round the world. In 1999, he was conferred the Ian Donald Gold Medal from the International Society of Ultrasound in Obstetrics and Gynecology.
JOHANNA NORDERDY

Dr. Johanna Norderyd is a specialist and consultant in paediatric dentistry, working at the National Oral Disability Centre for rare disorders at the Institute for Postgraduate Dental Education in Jönköping, Sweden. The centre was established in 1989 to increase knowledge on diagnosis and treatment of oral and dental signs and symptoms in rare disorders. Dr. Norderyd graduated from Malmö Dental School in 1983 and has worked in the Swedish Public Dental Care. She worked with clinical research at the Department of Oral Biology, SUNY, Buffalo, during the years 1990 - 92. She got her specialty training 1993 – 96 at the department for paediatric dentistry in Jönköping. From 1996 she was employed at the same department as consultant, working as a clinical specialist and tutor in specialist education. In 1999 she joined the National Oral Disability Centre. Dr. Norderyd’s main interest is in oral care for children with disabilities. She became a member of the board for the Swedish Association for Disability and Oral Health in 1998 and was chairman 2002 – 2007.

JUNE NUNN

June is Professor of Special Care Dentistry and Pro Dean, School of Dental Science, Trinity College Dublin, Ireland. June has worked in Paediatric Dentistry, Periodontology and Public Dental Health in Dental Schools in the UK. She has run a Masters course in Community Dental Health and taken part in the training and calibration of examiners in all the UK oral health surveys of children and adults since 1978. Her research interests are in dental epidemiology, paediatric dentistry and all aspects of special care dentistry. Currently a member of the Irish Health Research Board’s Panel on Population Health, Epidemiology and Health Services Research as well as two national longitudinal study groups on childhood and ageing. She has supervised 28 Masters/PhD students and published over 100 papers and 18 books/chapters. She is Past President of the British Society for Disability and Oral Health, the International Association for Disability and Oral Health and the Irish Society for Disability and Oral Health and Editor, Journal of Disability and Oral Health. A member of UK Royal College of Surgeons of England Specialist Advisory Committee on Special Care Dentistry and Chair of the Royal College of Surgeons in Ireland’s Advisory Committee on Additional Dental Specialities; Examiner in the Memberships in Special Needs Dentistry and Paediatric Dentistry, Royal College of Surgeons of Edinburgh.

CONSTANTINE OULIS


AGNIESZKA PACYK

Graduated from the Medical University of Lodz, Poland. PhD with honours completed in 2005. Associate Professor at the Medical University of Lodz. She lectures and conducts courses and trainings in several European countries. The author of many scientific articles on Adhesive Dentistry. Member of the Polish Dental Association and of International College of Dentists. Since 2006 she is an owner of her own dental practice in Lodz, Poland.

HELEN PAPADOGEORGAKIS

Graduated from the Medical School of the University of Athens. Trained in Clinical Microbiology and Clinical Virology at the Charing Cross Medical School, University of London and the Queen Charlotte’s Hospital, the Institute of Obstetrics and Gynaecology, University of London, England. In 1981 she was qualified as a Clinical Microbiologist and was appointed as a senior registrar at the Evangelismos General Hospital, Athens, Greece. In 1988 she obtained her Ph.D from the Medical School of the University of Athens. Since 1989 she is working at the Microbiology Department of the “A. Sygos” University Hospital for Skin and Venereal Diseases, Athens, Greece with main interests fungal and viral infections. She is involved in teaching of postgraduate medical and dental students as well as medical trainees in Mycology, Clinical Microbiology and Virology. She has contributed in writing chapters in Dental and Medical Textbooks and is the author of papers related to fungal and viral infections.

LISA PAPAGIANNOULIS

Professor Lisa Papagianouli is the Chair of the Organizing Committee of the 23rd IAPD Congress. She is the Professor and Head of the Department of Paediatric Dentistry in the Dental School of the University of Athens, Past President of the IAPD and the HSPD. Education: D.D.S., Dental School, Athens University (1971) Certificate in Paediatric Dentistry, UCLA (1976-1978): MsC in Oral Biology, UCLA (1979-79), PhD Dental School, Athens University (1980) Academic Appointments: University of Athens: Lecturer (1979-1984), Assistant Professor (1984-1988), Associate Professor (1988-1990), and Professor (1993), UCLA: Lecturer in Paediatric Dentistry (1979-1981), USC: Clinical Assistant Professor, Department Community Dentistry Section (1979-79), Visiting Scholar Dept of Biomaterials UCLA (1988) Publications: Professor Papagianouli has published over eighty scientific papers in International and Greek journals and she has made over one hundred and fifty scientific presentations in Greek and International Congresses. Her main research interests are in the areas of craniofacial growth and development, aetiology, pathology and prevention of dental diseases, dental materials and dental care for the special patients.

PETROS PAPAGERAKIS

Dr. Petros Papagerakis graduated in 1990 from the School of Dentistry-Aristotle University, Thessaloniki, Greece. He completed postgraduate training at the University of Paris (France) in Pediatric and Preventive Dentistry, in Hospital-based Pediatric Dentistry, in Biomedical Sciences (Bachelors of Science) and in Oral Biology (Master of Science). In 1996, Dr. Papagerakis was recruited at the 7th University of Paris as Assistant Professor with joint appointments in the Departments of Oral Biology and Pediatric Dentistry. In 2000, he earned Cum Laude his PhD in Cellular and Developmental Biology from the 5th University of Paris. He also completed post-doctoral training in Dental and Craniofacial Molecular Genetics at the University of Texas at San Antonio, USA. In 2006, Dr. Papagerakis was recruited as Research Scientist at the Dental Research Laboratory at the University of Michigan (UM) working with Drs. Simmer, Hu, and Yamakoshi. Since 2008, Dr. Papagerakis is a tenure-track Assistant Professor in the Department of Orthodontics and Pediatric Dentistry, UM. He is also affiliated faculty of the UM Medical School Centers for Organogenesis and for Computational Medicine and Bioinformatics. He teaches clinical Pediatric Dentistry, Stem Cells Biology, Craniofacial Genetics, and Tooth Development. He has received many awards and serves as an AADR committee member and as grant reviewer for the National Science Foundation and the National Health Institute (NIH). He also serves as reviewer for many journals and he is on the Editorial Board of “The Open Bone Journal” and the “Journal of Dental Research”. 

STEVEN PERLMAN

Dr. Steven Perlman is a Clinical Professor of Pediatric Dentistry at The Boston University Goldman School of Dental Medicine. For the past 32 years, he has devoted much of his private practice as well as his teaching, to the treatment of children and adults with physical and intellectual disabilities. Dr. Perlman is a past president of both the Academy of Dentistry for Persons with Disabilities and The Massachusetts Academy of Pediatric Dentistry. In addition, he has served on the executive board of both organizations for many years. He is a Fellow of The Academy of Dentistry for Persons with Disabilities, a Fellow of The
American College of Dentists and a Diplomate of the American Board of Special Care Dentistry. He is the recipient of the Harold Berk Award from the Academy of Dentistry for Persons with Disabilities and the Manny Award from the American Academy of Pediatric Dentistry. Dr. Perlman has also been honored by The Pierre Fauchard Academy and in 2002, the American Dental Association presented him with the Access Recognition Award. He has published over 180 articles and was a contributor to the Surgeon General’s Report on Oral Health in 2001. In 2005, Dr. Perlman received The Exceptional Parent Maxwell J. Schieffeler Distinguished Service Award and The Trudi Birger Community Service Award from Alpha Omega for extraordinary contribution to children with special needs all over the world. In 1995, Dr. Perlman founded Special Olympics Special Smiles, an Oral Health Initiative for the athletes of Special Olympics International. He currently serves as their Senior Global Clinical Advisor. Dr. Perlman is a cofounder of the American Academy of Developmental Medicine and Dentistry and in 2005 and 2006 served as an advisor to the President’s Committee for Persons with Intellectual Disabilities.

KLAUS PIEPER

NIGEL PITTS
Nigel Pitts is a dentist and health researcher, holds a PhD in computer-aided radiographic diagnosis from the University of London, Fellowships from the Royal Colleges of Surgeons in London and Edinburgh, and the Royal Society of Edinburgh. He has been the recipient of several prestigious research awards. He is a leading member of the IADR, ORCA (Past President), EADPH (the European Association for Dental Public Health, Past President) and BASCD (the British Association for the Study of Community Dentistry, Past President). His research interests span a broad range from public health, health services and implementation research with a dental focus to also include cariology, remineralisation, diagnostic systems and evidence based healthcare.

KALLIOPI-ANNA POULIA
Kalliopi-Anna Poulia graduated in 1999 from the Department of Science of Nutrition And Dietetics in Harokopio University. From 1999 to 2000 she attended the postgraduate programme leading to a Master of Medical Sciences, with specialization in Clinical Nutrition in Glasgow University. From 2000 to 2003 she worked as a scientific fellow in the Laboratory of Nutrition and Clinical Dietetics in Harokopio University, where she was responsible for the practical placement of final year students in two leading hospitals in Athens. Since 2003 until today she is working in the Department of Nutrition of the General Hospital of Athens “LAIKO”. From 2002 until 2004 she was elected President of the Hellenic Dietetic Association and from 2003 until 2006 she was also representing the Hellenic Dietetic Association to the European Federation of Associations for Dietitians. In 2010 she was re-elected vice-president of the Hellenic Dietetic Association and she is the Nutrition Consultant of the European Dialysis and Transplantation Association for Nurses since 2010. She has attended several scientific congresses and seminars in Greece and abroad and she is part of the organizing committee of every Congress of the Hellenic Dietetic Association since 2000. She has presented her scientific work and has taken part as an invited speaker in congresses in Greece and abroad. She has contributed in the writing of 9 scientific books, 6 full papers in journals with judges and two in Greek scientific journals.

MAGNE RAADAL
Professor Randal obtained License to practice dentistry in Norway in 1966 and became a Specialist in Pediatric Dentistry in 1981. He completed his Dr. odont. in 1984 and since 1971 he has served in several position at the in Department of Odontology - Pediatric Dentistry, University of Bergen, Norway, where he is currently a Professor. From 2002 to 2009 he served as the Dean of the Faculty of Dentistry, University of Bergen. He is a member and officer in several national and international associations, he was the President of European Academy of Pediatric Dentistry 1996-2004 and Chairman of the Congress Site Selection and Coordinating Committee of the International Association of Pediatric Dentistry 2000-2004. He research interest during the last years is on dental anxiety and dental avoidance, caries prevalence and progression in children and sedation and anesthesia for children. He has published more than 71 original research papers in international journals, 31 review papers and textbook chapters and 42 research reports.

FRANCISCO RAMOS-GOMEZ
Francisco J. Ramos-Gomez is currently a Full Professor in the Section of Pediatric Dentistry, at the University of California, Los Angeles; He has also served as UCLA program Director and the Director of Pediatric Services at the Family Dental Center at San Francisco General Hospital and has pioneered protocols in early detection and prevention of Early Childhood Caries (ECC). Dr. Ramos-Gomez was awarded the specialty and an M.S. degree in Pediatric Dentistry from Tufts University School of Dentistry in 1988; he earned his M.P.H. in 1990 from the Harvard University School of Public Health, Department of Policy & Management. In 1992, he was certified in Dental Epidemiology and Dental Public Health from the University of California, San Francisco. He is a Diplomate of the American Board of Pediatric Dentistry and former member of the Executive Board of the American Association of Public Health Dentistry. Currently, Francisco Ramos-Gomez is a team member and Researcher on the NICHD/UCSF- CAN-DO -Center to Reduce Oral Health Disparities in Children; Board member of the AAPD Government Council; Perinatal and Infant Oral Health Council; the Oral Health Action Coalition (OHAC); and, the Center for Oral. Fellow of the American College of Dentistry (FACD). He also served as the National HeadStart Oral health Consultant for Region 12 and is Past President of the Hispanic Dental Association.

ULRICH SCHIFFNER

ERIK SKARET
Erik Skaret, DDS, PhD, is professor in behavioural sciences in dentistry, Institute of Clinical Dentistry, Department of Pediatric Dentistry and Behavioral Sciences, University of Oslo, and Affiliate Assistant Professor, University of Washington, USA. He has long clinical experience in general dentistry before he started his academic career, and has in addition 12 years experience with psychological and pharmacological treatment of dental phobia as Head of Center for Odontophobia, University of Bergen, Norway and a year as Acting Director at the Dental Fears Research Clinic, University of Washington, USA. Skaret has treated dental phobia and intra-oral injection phobia in one vs. five sessions of CBT according to two manuals developed by Ost and co-workers, University of Stockholm, Sweden. His current work includes research on prevention and treatment of dental anxiety among children and adolescents, and how to get dentally avoidant people into care based on behavior change theory. Skaret has published about 50 scientific articles.
ALEXANDRA SKLAVOUNOU - ANDRIKOPOULOU
Dr. Alexandra Sklavounou - Andrikopoulou is Professor and Chairman of the Department of Oral Medicine and Pathology at the University of Athens Dental School. She graduated from the same Institution with honors and she was awarded with a scholarship for post-graduate training at the Departments of Oral Biology and Oral Pathology of the University of Minnesota USA from where she received her Master Degree. She obtained her Doctorate degree with a Doctorate prize from the University of Athens and conducted basic post-doctorate research focused on oral immunology in the Department of Immunology and Parasitic Diseases of the Hellenic Pasteur Institute. She has been involved in 15 funded research projects and she has participated with presentations in more than 250 greek and international Meetings. She is author of 2 monographs and more than 200 publications with more than 400 citations. She wrote a chapter on oral HPV infection in a Medical book and prepared an interactive CD on common oral diseases for dental students. She is President of the Hellenic Society of Oral Medicine. She is also an elected Member of the Board of the European Association of Oral Medicine (EATOM) and President of the 11th Binennial Congress of the EATOM which will be organized in Athens in 2012.

IMA THESLEFF
Professor Thesleff graduated from the Dental School of the University of Helsinki in 1972 and became Doctor of Odontology in 1975. In 1978-1979 she was a visiting scientist at the National Institute of Dental Research, Bethesda, Md, USA. In 1990 she was appointed Professor and Chairman of the Department of Pedodontics and Orthodontics at the University of Helsinki. Since 1996 she is the Research Director of the Developmental Biology Program at the Institute of Biotechnology. She has authored about 300 original articles and review papers in international journals. She is a leading researcher in developmental biology, with special emphasis on dentistry. In recognition of her many achievements, Dr. Thesleff has been honored with many major awards, including the prestigious Anders Jahre Prize in Medicine from Oslo University, the IADR Distinguished Scientist Award in Craniofacial Biology and Isaac Schour Memorial Award, and the Helsinki City Science prize, and in addition she has been awarded honorary doctorates from several universities. Professor Thesleff is a world authority on the development of teeth, the craniofacial bones and structures that arise from ectoderm, such as hair and exocrine glands. Among her many important scientific discoveries, she has defined how failures in cell signaling networks result in developmental defects such as abnormal bones and teeth and ectodermal dysplasias. In particular, she is known for developing mouse models of human disease, and a variety of novel experimental methods that examine how cells transmit molecular messages and how teeth develop from their progenitor stem cells.

KYRIACOS JACK TOUMBA
Professor Jack Toumba obtained his BSc(Hons) in biochemistry and physiology from Leeds University in 1976 and his MSc in steroid endocrinology in 1977. He then graduated with BChD from Leeds University in 1984. For eleven years was a Senior Dental Officer in Paediatric Dentistry. He obtained his FDSRCS from the Royal College of Surgeons of England and his PhD from Leeds University on the topic of fluoride slow-releasing devices. He was awarded a personal Chair in Paediatric and Preventive Dentistry in October 2004. Prof Toumba has published over 60 research papers/books/articles in international journals and obtained research grants valuing almost £2.5 million. Jack is co-author of ‘Restorative Techniques in Paediatric Dentistry’ and Dental Traumatology. He is an internationally respected scientist and clinician and is invited all over the world to give talks and courses on Paediatric Dentistry. His particular expertise is in prevention of dental caries, slow-release fluoride devices and the use of fluorides.

MARTIN TROPE
Dr. Martin Trope is presently in private practice in Philadelphia, PA. He was born in Johannesburg, South Africa where he received his BDS degree in dentistry in 1976. From 1976 to 1980 he practiced General Dentistry and Endodontics in Israel. In 1980 he moved to Philadelphia to specialize in Endodontics at the University of Pennsylvania. After graduating as an Endodontist he continued at U. of Penn as a faculty member until 1989 when he became Chair of Endodontology at Temple University. School of Dentistry. In 1993 he moved to Chapel Hill, North Carolina to become the JB Freedland Professor in the Department of Endodontics at the University of North Carolina, School of Dentistry. Named in honor of one of the founding fathers of the specialty, Dr. Trope has served as a Director of the American Board of Endodontics. Before entering full time private practice he was editor-in-chief of two journals, Dental Traumatology and Endodontic Topics. He also serves on the Editorial Board of Oral Surgery, Oral Medicine, Oral Pathology and on the Advisory Board of Esthetic Dentistry. Dr. Trope’s major research interests include dental trauma, clinical outcomes, and new diagnostic tests for pulpal and periapical disease. Recently he has also been involved in material development for root canal filling. His work has been published in numerous journals and book chapters. In April 2002 he was awarded “The Louis I. Grossman Award” for cumulative publication of significant research by the American Association of Endodontists.

SVANTE TWETMAN
Dr. Svante Twetman is professor of Cariology at the Institute of Odontology, Faculty of Health Sciences, University of Copenhagen, Denmark. He holds the Odont. Dr. degree from the Karolinska Institute in Stockholm, Sweden and is a specialist in paediatric dentistry. His research interest is fluoride and microbial aspects on caries prevention in childhood with focus on clinical trials. Twetman is author and co-author of several books and over 150 scientific articles. He is member of The Swedish Council on Health Technology Assessment in Health Care working with systematic reviews and guidelines. Degrees and major positions: Graduated dentist 1974 at Karolinska Institutet, Stockholm, Sweden; Postgraduate studies and special degree in Paediatric Dentistry 1980, Karolinska Institutet; Odont Dr 1985, Karolinska Institutet; Docent 1990, Karolinska Institutet; Senior Consultant, County Hospital, Halmstad, Sweden 1985-1999; Consultant, King Faisal Specialist Hospital and Research Centre, Saudi Arabia 1990-1994; Professor and Head, Paediatric Dentistry, Univ. of North Carolina, Chapel Hill, NC, USA 1994-2002; Professor of Cariology, University of Copenhagen 2002-2006. Scientific activities: The research is focused on the caries process and its prevention in clinical trials and laboratory studies; Author and co-author of >170 publications within microbiology, saliva biochemistry and caries prevention including original research, reviews, tutorials and textbooks; Member of the Swedish Council on Technology Assessment in Health Care for evidence-based evaluations of diagnosis and treatment; Member of several editorial boards and committees. Recent Award: IADR Distinguished Scientist Award in Cariology 2010.

DIMITRIOS TZIAFAS
Dimitrios Tziafas is Professor and Head of the Department of Endodontology at the School of Dentistry, Aristotle University of Thessaloniki. He graduated as a dentist in 1977. He worked in the Department of Dental Pathology and Therapeutics initially as instructor, undertaking the PhD in 1983 and subsequently as a Lecturer, Assistant Professor and Associate Professor in the Department of Endodontology, at Thessaloniki University. In 1987 Dr Tziafas worked as a visiting post-doc researcher in the Institute Biologie Medicale, Faculte de Medicine, University of Lille, France. He served as the National Representative of Greece in the European Committee networks of Coordinated Science and Technology actions in the field of Odontogenesis (1996-2001) and Oral Facial Development and Regeneration (2003-2007). Since 1999 Dr. Tziafas has chaired the Department of Endodontology, at the Aristotle University of Thessaloniki. Dr. Tziafas was a board member of the IADR/Continental European Division (2000-2003) and served as the President of IADR – Continental European Division (2006-2008). He has been a Guest Editor of the journal Advances in Dental Research, Volume 15, 2001, entitled “Proceedings of the International Meeting on Signalling Mechanisms in Dentin Development, Regeneration and Repair: from Bench to Clinic” and served as Chairman of the Local Organizing Committee of the IADR/ Continental European and Israeli Divisions annual meeting of 2007, held from September 26-29, 2007, in Thessaloniki, Greece. He is also actively involved with the Research Committees of Aristotle University of Thessaloniki and European Society of Endodontology. Dr. Tziafas’ research interests include cytodifferentiation mechanisms during both development and dental pulp repair, biology of mineralized tissues and pathogenesis of pulp inflammation. He has published six invited reviews in biomedical and dental journals, 50+ peer-reviewed research papers, a monograph on reparative dentinogenesis and textbooks chapters relating to pulp biology.

CARIOLYSIS 2010
June 15-18, 2011 Athens, Greece

PROGRAM
George J. Vougiouskakis, DDS, MS, PhD, is Professor and Chairman of the Operative Dentistry Department at the School of Dentistry of the National and Kapodistrian University (NKU) in Athens Greece. He received his DDS degree in 1972 from NKU of Athens, his PhD from the same University in 1976, his MS from Toronto University in Canada in 1979 and accomplished his fellowship in 1982 in NKU of Athens. Dr. Vougiouskakis research fields are Dental Biomaterials, Operative Dentistry and Dental Education. For many years in the past, he was President or member of the Board of the Research Center for Biomaterials in Greece, member of the Board of the IADR, European Section, President and member of the Board of the European Section of the Academy of Operative Dentistry, President of the Organizing Committee of the ADEE Conference in Athens, in 2005 and member of various professorial Committees of the European Dental Liaison Committee. From 2002 to 2006 Dean of the School of Dentistry of the NTU of Athens. He has published over 100 papers, chapters and abstracts in the field of Dental Biomaterials, Operative Dentistry and Dental Education.

Stephen Wei

Professor Stephen Wei is a specialist in Paediatric Dentistry. He is Professor Emeritus of the Faculty of Dentistry of the Hong Kong University and was Chair Professor and Head of Children’s Dentistry and Orthodontics, and former Dean, Faculty of Dentistry and Director of the Prince Philip Dental Hospital from 1989 to 1997. Professor Wei holds a BDS (Hons) degree (1962) and a MDS degree (1965) from the University of Adelaide and an M.D.Sc. degree from the University of Illinois (1967) and a D.D.S. degree (1961) from the University of Iowa. He was Professor and Head, Department of Pedodontics at the University of Iowa from 1967-1983. In 1983, he was appointed Professor and Chairman, Division of Pedodontics, University of California at San Francisco. He holds Fellowships in the Royal Australasian College of Dental Surgeons, the International College of Dentists, and the American College of Dentists. He is the Foundation Fellow and inaugural President of The College of Dental Surgeons of Hong Kong of the Hong Kong Academy of Medicine, and a Diplomate of the American Board of Pediatric Dentistry. He was the Chairman of the Board of Trustees of the Council of Hong Kong from its inception until 1998. Professor Wei has published many monographs and more than 200 research and clinical papers, 170 abstracts and is the author or many textbooks. He is the President of the Hong Kong Society of Paediatric Dentistry since 2008 and is in part time private practice.

Richard Widmer

Richard Widmer received his Master’s Degree in Paediatric Dentistry from the University of Melbourne. The majority of his paediatric clinical practice over the last 20 years has been at the Westmead Centre for Oral Health and The Children’s Hospital at Westmead. Richard is currently an Associate Clinical Professor in Paediatric Dentistry, The University of Sydney, and Director of the Dental Department at The Children’s Hospital at Westmead. He is a very active clinician and lecturer, presenting to students and graduates in all branches of the Health Sciences as well as being invited to present at Conferences, both locally and internationally. Richard is a Past President of the International Association of Paediatric Dentistry, as well as both the Australasian Academy of Paediatric Dentistry and the Australian and New Zealand Society of Paediatric Dentistry. Richard has co-edited the very popular “Handbook of Paediatric Dentistry” now in its third edition and in seven languages. Recently Richard, with his Canadian colleague Gerry Wright has released “Paediatric Dentistry, dental care for children. A guide for parents”.

Ioannis Vrotsos

Dr. Ioannis A. Vrotsos graduated and achieved his doctorate diploma from the Dental School, University of Athens. He specialized in Periodontology at the Tufts University, U.S.A. He is currently Professor and Director of the Department of Periodontology of the Dental School, University of Athens. He is an Adjunct Associate Professor of Periodontology, Tufts University. School of Dental Medicine and member of several Societies internationally. He has published several articles in national and international journals. His current research interest is on osteopetrosis and periodontal disease, growth factors and human periodontal cells, morphogenetic proteins, prostaglandins and bone tissue.

John Timothy Wright

Dr. J. Timothy Wright was an undergraduate chemistry major and received his DDS degree from the West Virginia University. After serving in the West Virginia Public Health Department as Director of the Cable-Huntington Dental Clinic he pursued specialty training in Pediatric Dentistry receiving his specialty certificate and Masters of Science degree from the University of Alabama at Birmingham. Dr. Wright has received numerous awards and honors including an American Dental Association Teacher Training Fellowship, the William J Gies Award from the Journal of Dental Research, and was a Robert Gorlin Visiting Professor. In 1990 Dr. Wright joined the faculty at the University of North Carolina at Chapel Hill. Dr. Wright was named the James Sawden Distinguished Professor and Chair in the Department of Pediatric Dentistry at the University of North Carolina. Dr. Wright’s research has helped advance our understanding of mineralized tissues and developmental defects of teeth and bone through his characterization and study of human hereditary conditions. He has had research funding from the National Institutes of Health and other organizations for his genetics studies since 1987 and has published over 145 scientific manuscripts. His research has focused primarily on defining the phenotype and genotype relationships and a variety of craniofacial syndromes such as amelogenesis imperfecta, dentinogenesis imperfecta, the tricho-dento-osseous syndrome. His most recent research includes investigation of the genes involved in tumorgenesis and specifically genes involved in odontogenic tumors such as ameloblastoma. Dr. Wright lectures nationally and internationally on a variety of topics related to genetics. He continues to participate in private practice where he treats a diverse patient population including a spectrum of special needs patients.

Gerald Wright

Gerald Wright was born in Winnipeg. He received his predoctoral education at the University of Manitoba, undergraduate dental education at the University of Toronto and his postdoctoral training at Indiana University. His academic career was based at the University of Western Ontario where he served as Chair of the Division of Orthodontics and Paediatric Dentistry and Assistant Dean of Continuing Dental Education. He is currently Professor Emeritus of the University of Western Ontario. During his academic career, Dr. Wright published four books, numerous articles and book chapters and lectured throughout the world. Much of his time has been devoted to the development of programs to assist the teaching of pediatric dentistry in less wealthy nations. Dr. Wright is a Diplomat of the American Board of Pediatric Dentistry, a past Director and President of the Board. He also is a Fellow and past Examiner of the Royal College of Dentists of Canada. He has served as Associate Editor / Editorial Board of five journals. He has been a Visiting Professor at the Hebrew University in Jerusalem, Trinity College in Ireland, Baylor College and New York University in the U.S., Ulm University in Germany and Sydney University, Sydney Australia. During the past 12 years, Dr. Wright has been Secretary General of the International Association of Paediatric Dentistry. This has allowed him to initiate several international paediatric dentistry programs. For his work on behalf of children, he was awarded the medal of Paris in 2001, and in 2004 Honors Doctoris Causa from the Belarusian State Medical University and the Herman Fellowship at the University of Western Australia.
About Greece

Climate
The climate in Greece is mostly dry and temperate. In Athens, Southern Greece and the islands, the climate is typical Mediterranean with warm and dry summers and mild winters. Average temperature during June ranges between 22-30°C (72-86°F)

Currency
Greece’s currency is the Euro (€). All major credit cards are widely accepted in Greece.

Population
- Total population in Greece: 10.3 million
- Athens metropolitan area (Attica region): 3,756,607 persons according to the 2001 census

Language
Modern Greek is the official language. English is widely spoken as a second language by the majority of Greeks, while French and German are also spoken at a good extent.

Time
Greece is two (2) hours ahead of Greenwich Mean Time, seven (7) hours ahead of Eastern Standard Time and an hour (1) ahead of Central European Time.

Health
Emergency treatment is free of charge to all Greeks or foreigners, in State owned and University hospitals. Athens also has private hospitals affiliated with national and international institutions.

ATMs
ATMs are widely available in Greece for Master or Visa cardholders.

Banks
Banks are open from Monday to Thursday, 8:00-14:00 hrs and on Friday, 8:00-13:30 hrs; on Saturdays and Sundays they are closed. Central branches of some banks may be found open until 20:00 daily and from 10:00 to 16:30 on Saturdays.

For further details please consult your hotel concierge.

Shopping Hours
Major outlets are open from Monday to Friday, 09:00-21:00 and Saturday, 09:00-18:00. Small shops are open on Monday & Wednesday, 09:00-15:30; Friday, 09:00-20:30 and Saturday, 09:00-15:30.

Electricity
Electricity is 220 V/50 Hz. Plugs are the standard continental (DIN) type with two round pins.

Dialing codes
The international access code for Greece is +30. The outgoing code is 00 followed by the relevant country code (e.g. 001 for the USA or Canada, 0044 for the United Kingdom).

Tipping
Tipping is not compulsory but is quite usual in Greece.

About Athens

Athens has a lot to offer to its visitors. There are many things to see not only at the historical center but also a few kilometers away.

You can start from the commercial heart of the city, Omonoia Square, which combines modern and neoclassical architecture and walk up Panepistimiou (University) street passing by the National Library, the University of Athens, the National Academy, the Catholic Cathedral and many other impressive buildings of the Modern Greek era.

By then, you should have reached Syntagma (Constitution) Square, one of the busiest places of Athens, where the Parliament is located. You will know you are in the right place when you see the Evzones -the presidential guard- in front of the monument of the Unknown Soldier.

On your right is Amalias Avenue where you will find the gate of the National Garden. Walk among typical and rare plants and trees until the Zappeion (Conference and Exhibition Hall), appears before you. A few meters away stands the Panathinaikon Stadium, the cradle of the Modern Olympic Games (1896).

On your way to the Acropolis, stop to visit the Corinthian pillars, remains of Zeus’ temple and the Arch of the Emperor Hadrian, where the pedestrian street, Dionisiou Aeropagitou, begins to lead you to the Odeon of Herodus Atticus at the foot of the Acropolis Sacred Rock. Walking up the hill, you will enter the site through Propylea and visit the Parthenon, the most important and characteristic monument of the ancient Greek civilization which still remains its international symbol, the Temple of Athena Nike, the Erechtheion and of course the New Acropolis Museum unite collections that were formerly dispersed in multiple institutions in an exhibition space of more than 14,000 square meters.

With these pictures in mind, walk downhill to Plaka, the oldest neighborhood of Athens, and taste the typical Greek cuisine in one of the traditional tavernas or have a frappe (iced coffee) in one of the numerous cafes.

Other highlights you should not miss:
- The Archaeological Museum
- The Museum of Cycladic Art
- The Benaki Museum
- The National Gallery
- The Byzantine Museum
- The Frissiras Museum of Contemporary Greek and European Painting
- The Lyceabitus Hill
- Monastiraki
- Thiseion
- Faliro-Glyfada coastline by tramway

For an Athenian night out, choose between the hip areas of Gazi, Psirri, Metaxourgio, Monastiraki, Thiseion and Kolonaki.

Detailed information and further assistance will be provided to the congress delegates at the Hospitality booth (level 0), close to the Congress Secretariat.
For incipient caries even a minimally invasive therapy will sacrifice healthy hard tissue. Icon now offers a revolutionary solution – entirely without drilling: caries infiltration. The progression of incipient caries can be stopped early this way and healthy tooth structure is preserved.

Icon is indicated for incipient caries with non-cavitated enamel and a radiological lesion progression into the outer third of dentine. Treatment sets are available for proximal and smooth surface applications.

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Acknowledgements

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- Australian New Zealand Society of Paediatric Dentistry
- Australasian Academy of Paediatric Dentistry
- Hellenic Dental Association
- Athens Dental Association
- Hellenic Society of Odontostomatological Research

### Caries Research

- International Journal of Paediatric Dentistry
- Dental Traumatology

### Exhibitors

#### Level 0

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Exhibition Plan

Level 0

Exhibition Plan

Level -1
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