

Contents

Welcome	2
FDI Council	5
FDI Headquarters Staff	6
FDI Education Committee	7
Local Organising Committee	9
Welcome Ceremony	13
About FDI	15
FDI World Military Dental Congress 2012	19
International Scientific Programme	
Saturday 29 August	20
Sunday 30 August	36
Monday 31 August	60
Tuesday 1 September	76
Invited Speakers' Profiles	90
Industry Symposia Speakers' Profiles	111
Poster Presentations	115
Free Communications	144
FDI World Dental Exhibition	163
Optional Social Programme	163
Registration Information	166
General Congress Information	170
General Information	173
Scientific Programme Keywords Index	183
Floor Plan	186

Information in this Final Programme is correct as of 8 August 2012. Every attempt is made to ensure the details are accurate and complete. The organizers are not responsible for any inadvertent errors or omissions.

Message from Dr Sigmund Leung

Chairman, Local Organising Committee

As Chairman of the Local Organising Committee, I would like to extend a warm welcome to you all to Hong Kong on the occasion of the 2012 FDI Annual World Dental Congress. My colleagues and I are especially honoured to be hosting the 100th edition of this prestigious event.

Hong Kong is a world-renowned centre of business and commerce and a Special Administrative Region of the People's Republic of China. Being international and cosmopolitan, the city offers an infinite variety of things to see and do in a unique fusion of Eastern and Western heritage and culture.

Hong Kong has always kept up with advancing technologies in dental practice in order to meet the constantly evolving needs and demands of the community. As the representative body of the Hong Kong dental profession, the Hong Kong Dental Association has been taking a proactive role in promoting oral health in collaboration with FDI World Dental Federation and local government, as well as establishing an exchange network with our Mainland colleagues and neighbouring countries or places over the years. With concerted effort and support, we are delighted to see that significant achievements have been made. We are honoured to be part of the growth of dental development.

The 2012 FDI AWDC provides all dental colleagues worldwide with a vibrant platform to update dental knowledge, explore new advances in dental technology and foster closer ties. Numerous eminent speakers have been invited to share their expertise with our congress participants. It will broaden our horizon in unlimited ways. Please join us and take full advantage of the Congress.



A handwritten signature in black ink that reads "Sigmund Leung". The signature is written in a cursive, flowing style.

*Dr Sigmund Leung, JP
Chairman, Local Organising Committee
President, Hong Kong Dental Association*

Message from Dr Orlando Monteiro da Silva

FDI President

2012 is a very special year in the history of the FDI Annual World Dental Congress: it will be celebrating its one hundredth anniversary! Great care has been lavished on an exceptional scientific programme that addresses the major themes and concerns of dental practitioners today presented by some of the world's leading clinicians and experts in the field.

The 2012 AWDC will serve to highlight future trends within dental medicine and firmly place it within the context of public health policy and strategies for noncommunicable diseases, and the imperative of linking oral health with general health.

The FDI Annual World Dental Congress is unique in also featuring the business and policy meeting of nearly 140 National dental Associations, gathered in one place at one time to decide on global policy for the profession, share ideas and together identify ways to fulfil the FDI vision of 'Leading the world to optimal oral health'.

I would like to join my voice to that of my colleagues in the Local Organising Committee in welcoming you to the 2012 FDI Annual World Dental Congress.



A handwritten signature in black ink, which reads "Orlando Monteiro da Silva". The signature is fluid and cursive, with a long horizontal stroke at the end.

*Dr Orlando Monteiro da Silva,
FDI President*



Global Caries Initiative, a profession led call to action to STOP Caries by 2020

GCI global portal to bring together our membership, partners and individuals from around the world to exchange, communicate and share knowledge and experiences on caries management to implement a new paradigm for oral health.

www.GlobalCariesInitiative.org

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Prof Chen Zhu,

Minister of Health of the People's Republic of China, is Honorary Chairman of the Organising Committee of the 100th FDI Annual World Dental Congress.

He will be present at the congress Welcome Ceremony where he will receive the **FDI World Oral Health Recognition Award** in acknowledgement of "his prominent leadership in strategic planning for training a new generation of stomatologists in China, for the establishment of dental schools, and for his unceasing effort in formulating oral disease preventive measures among the public in China.

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University of Hong Kong
The College of Dental Surgeons
of Hong Kong



Welcome Ceremony

A spectacular beginning to the congress, the Welcome Ceremony will reflect the tradition, culture, history of Hong Kong SAR.

Date & Time: Wednesday 29th August 2012, 18.30-20.00

Venue: Grand Hall HKCEC (Hong Kong Convention and Exhibition Centre)

Cost: Free to registered participant (subject to availability)

Dress code: Business

Welcome Ceremony 29 August 2012 18:30 sharp (admission starts at 17:45) Grand Hall, Level 3, HKCEC

All participants are cordially invited to join the Welcome Ceremony of the 100th FDI Annual World Dental Congress. A succession of dental leadership and government officials will proceed to open this centennial congress with welcome addresses with emphasis on the theme of "leading the world to a new century of oral health".

The traditional flag roll call will remind us that the truly global and diverse membership positions FDI as the world leader in bringing worldwide dentistry and oral health professionals together.

The ceremony would not be complete without a cultural performance that, in true local tradition, will offer a lively and colourful display of local folklore.

We would like to thank
our main sponsors



About FDI

FDI World Dental Federation serves as the principal representative body for over one million dentists worldwide, developing health policy and continuing education programmes, speaking as a unified voice for dentistry in international advocacy, and supporting member associations in oral health promotion activities worldwide. FDI's membership includes some 200 national member associations and specialist groups from more than 130 countries.

A non-governmental organization based in Geneva, Switzerland, FDI is governed by a General Assembly, with policy enacted by its Council and activities implemented through five standing committees comprising 60 volunteers from among its national member associations. Every year, some 300 delegates attend FDI's World Dental Parliament to debate and define the global future of dentistry.

FDI at work

FDI seeks to achieve optimal oral health for all people across borders, uniting the world of oral health to harness the collective expertise and power of our members together with all sectors of society. As the profession's global and independent advocate, we champion disease prevention and oral health literacy and advance the ethics, art, science and practice of dentistry by stimulating and facilitating the exchange of information throughout the health care community.

FDI's long and distinguished history and accumulated experience in dental education, public health and access to care make it uniquely expert and the only international organization in the field of oral health in official relations with WHO and other agencies of the United Nations.

Public health advocacy

FDI has long been an active advocate in the field of public health, in particular public oral health. Today, in cooperation with its national member associations, it continues to ensure that oral health remains high on the global health agenda. A point of focus is the fight against noncommunicable diseases (NCDs) where, working with partner organizations, it recently succeeded in having oral diseases specifically referenced in the landmark Political Declaration of the United Nations High-Level Summit on NCDs.

In the light of serious risk to oral health from smoking and tobacco products, FDI has also joined its voice to international tobacco control campaigns and continues to actively engage the oral health care team in tobacco control and prevention.

Development

Oral disease is one of the most common noncommunicable diseases worldwide yet only 60% of the world's population enjoys access to oral health care. FDI believes that access to oral health care, just like access to health care, is an essential human right and, through its World Dental Development Fund (WDDF), gives its backing to projects to improve oral health for communities worldwide.

A current example is a joint oral health project called 'Smile Healthy with your Diabetes: An Oral Health Coaching-based Intervention for Patients with Diabetes' between dental faculties in Denmark and Turkey, targeting type 2 diabetes patients.

Health planning and policy

FDI's Global Caries Initiative (GCI), launched in 2009 and today recognized as one of the leading means to facilitate a paradigm shift to a preventive model of caries management, seeks to unite a broad alliance of key influencers and decision-makers behind a common goal: to effect fundamental change in health systems and individual behaviour to realize the overarching vision of eradicating caries by 2020,

FDI, working closely with WHO and the International Association for Dental Research (IADR), is also seeking to promote oral health through the use of fluoride, an issue of concern and action within the Federation for over 50 years. Equally, it is advocating affordable and suitable filling materials, implementation of best environmental practice and related educational programmes. It has also been a key driver for health policy initiatives such as the joint FDI WHO/AFRO report on standardization of oral health information and Rwanda's Oral Health Policy.

Projects in the field

In a unique and innovative partnership with Unilever Oral Health, FDI is promoting good oral hygiene and practice in communities around the world through Live.Learn.Laugh, which enables participating National Dental Associations (NDAs) to implement oral health projects locally and promotes the message of brushing twice-a-day with a fluoride toothpaste.

FDI's role in NCD prevention and control has extended beyond advocacy to action, notably in producing a Health Improvement Card and documentation for the control and prevention of NCDs. This Toolkit, developed on behalf of the World Health Professions Alliance WHPA and funded by the International Federation of Pharmaceutical Manufacturers Associations (IFPMA), is today recognized as one of the few concrete practical tools in the fight against NCDs.

Education

Every year, FDI provides a unique opportunity for professionals and all other sectors related to oral healthcare to meet and learn from one another during our Annual World Dental Congress, the leading global event for oral health professionals. Ever conscious of the need to continuously improve and innovate, we are now looking at a new franchise model for our landmark event, by holding it alongside the national congress of one of our member associations

Throughout the year, FDI is a keen supporter of certified programmes for continuing dental education and professional development—on average one course every two weeks, somewhere in the world—for dentists to maintain an up-to-date clinical and theoretical knowledge of the art and science of dentistry.

Our vision for the future

FDI's Vision 2020 paves the way for a new model of oral health care, led by dentists in collaboration with a wider range of stakeholders from all sectors of society, bearing in mind its historic concern of widening access to care and focusing on five key areas: meeting the increasing need and demand for oral health care; expanding the role of oral health care professionals; shaping a responsive educational model; mitigating the impacts of socio-economic dynamics; and fostering fundamental and translational research and technology.

Visit the FDI Stand (Number K16/125) in the exhibition area, or www.fdiworldental.org, to learn more about FDI's Vision 2020 as well as its programmes and activities.

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FDI World Military Dental Congress 2012

Monday 27 August - 8:30-17:15

Wednesday 29 August - 8:30-17:15

Room: S423-424

Language: English*

Co-Chairs: Major General Zhao (China)
Chairman of the SDFDS Local Organizing Committee
Colonel Andrew Gray (New Zealand)
SDFDS Executive Officer Annual Meeting Coordination

**This session will not be interpreted. Presentation language: English*

The World Military Dental Congress will be held over 26-29 Aug 2012. The congress will consist of two one day Military Conferences and a one day visit to military facilities within Hong Kong.

Speakers will include:

- GPCAPT Greg Mahoney (Australia)
- COL Rob McCormick (UK)
- LTCOL Trish Lebourne (New Zealand)
- LTC Frank van Silfhout (The Netherlands)
- COM(S) Luis Felipe Jimenez (Chile)
- MAJ Brian Stancoven (USA)
- MAJ Jose Cangas (USA)
- Capt Peter Karlsson (Sweden)
- CDRs Urban Rådestad (Sweden)
- CDR Eva Borg (Sweden)
- CDR Mikio Ozawa (Japan)
- and many local speakers from China.

Presentations will include:

- Deployable Oral Health Capability
- UK Military Oral Health Strategy
- COMEDS - Dentistry
- Training of the Deployable Forensic Capability
- After 2010 Chile Earthquake And Tsunami
- Estimation Of Chronological Age Based On Dental Development
- Effect of Systemic Parathyroid Hormone on Local Bone Formation
- Pulpotomy as a Effective Treatment
- Humanitarian Aid in the Pacific

The objectives of SDFDS World Military Congress are to provide a world forum for the exchange of ideas, innovations and concepts within the areas of Defense Forces Dental Services. As such, the presentations are aimed to facilitate communication between the Members of the Section, and develop learning and educational through continued professional development within the areas of military dentistry.

29 August 2012 - Wednesday (Day 1)

Time	S222	S223	S423	Hall G	Hall F	S221	S421
09:00-11:30	Free Communications		FDI World Military Dental Congress 2012 8:30-17:15	Interdisciplinary Treatment Plan and Patient Assessment Niklaus Lang	Remineralisation Eric Reynolds	Poor Nutrition: A Risk Factor Driving the NCD Epidemic Martin Gillis	Occlusal Guidance on Disturbance of Tooth Eruption in Children Li Hong Ge Preventive Dentistry in China The Current Situation and Develop Direction De-Yu Hu
12:00-13:00	Chaired Poster Sessions (Poster Area-Exhibition Hall)						
13:00-14:00	Meet the Expert Gottfried Schmalz Dental ART Material	Meet the Expert Lijian Jin Effective Management of Periodontal Disease by General Dentists		Interactive discussion on practical cases Edoardo Cavallé Hans Schrangl Maurizio Tonetti 12:15-13:45			Lunch Break

Time	S222	S223	S423	Hall G	Hall F	S221	S421
14:30-15:30				The Science and Practice of Caries Management by Risk Assessment John Featherstone	CBCI in oral surgery Nice to Have or Standard of Care Stefan Hassfeld	Education Forum Xue-Dong Zhou Jun-Qi Ling Lakshman Samaranyake	Endodontics Zhuan Bian Jun-Qi Ling
15:30-16:00	FDI World Military Dental Congress 2012 8:30-17:15			Break			
16:00-17:30				The Science and Practice of Caries Management by Risk Assessment John Featherstone	Mesenchymal Stem Cells From Clinics to Benchtop and Back Song Tao Shi	Education Forum Xue-Dong Zhou Jun-Qi Ling Lakshman Samaranyake	Implant Dentistry Yucheng Su Lei Zhou

29 August 2012 - Wednesday (Day 1)

Wednesday 29 August

Morning sessions 09:00-11:30

Interdisciplinary Treatment Plan and Patient Assessment

Niklaus Lang (Hong Kong SAR, China)

Time:	09:00-11:30
Room:	Hall G
Language:	English
Chairperson:	Roch Lee
CERP:	2,5

Learning objectives

- To recognize oral diseases as opportunistic infections
- To adopt an anti-infective approach to therapy with a consequent sequence of treatment phases
- To provide implant and restorative therapy strictly following control of periodontitis
- To monitor patients over time with appropriate parameters
- To render supportive therapy following active therapy

Abstract

Within the goal of keeping or achieving oral health the following treatment goals include: 1) to keep the dentition for a life time (20 teeth at age 80 years), 2) to avoid tooth loss, 3) to avoid attachment loss, 4) a mouth free of inflammation, and/ or ultimately, 5) to keep a healthy body.

Screening for the existence of periodontitis is of utmost importance, especially in patients undergoing implant therapy.

Structured and properly sequenced therapy with appropriate re-evaluations will lead to an assessment of the treatment goals reached and determine the need for adjunctive therapeutic measures.

In evaluating the periodontal tissues, two parameters are advocated to primarily affect the risk for re-infection over time: Bleeding on Probing (BOP) and residual pocket probing depth (PPD). In addition to BOP and PPD, the alveolar bone levels, smoking habits and systemic factors have been shown to affect long- term prognosis.

Remineralisation

Non-Invasive Treatment of Early Caries

Eric Reynolds (Australia)

Time:	09:00-10:00
Room:	Hall F
Language:	English
Chairperson:	Michael Burrow
CERP:	2,5

Learning objectives

To understand the role of calcium phosphate-based technologies together with fluorides in the non-invasive treatment of early caries lesions. The session will involve a review of the scientific evidence supporting the new technologies and provide protocols for in-surgery application and at-home patient application to promote remineralisation of existing lesions and help prevent the development of new lesions.

Abstract

Dental caries remains a major public health problem and recent surveys suggest that the level of caries in children is increasing, for the first time since the introduction of fluorides. Evidence now exists to demonstrate that fluoride's ability to promote remineralisation of early caries lesions is calcium limited. This has led to the development of a range of calcium-phosphate based technologies to be used together with fluoride to promote remineralisation. In this session the scientific evidence to support these new technologies will be reviewed. This review will focus on clinical evidence as in vitro models developed to assess fluoride's efficacy are not appropriate for the calcium phosphate based technologies which require intra-oral evaluation. The session will conclude with recommendations on protocols for in-surgery and at-home patient application of the calcium phosphate-based technologies together with fluoride for the non-invasive reversal of early caries lesions.

Poor Nutrition: A Risk Factor Driving the NCD Epidemic

Martin Gillis (Canada)

Time:	09:00-11:30
Room:	Hall G
Language:	English
Chairperson:	Chun Hung Chu
CERP:	2,5

Learning objectives

- Understand why poor nutrition is a global health concern and why the United Nations endorsed the Political Declaration on NCDs in Sept 2011.
- Understand how poor nutrition affects oral disease and the role of oral health care providers in addressing this concern.
- Explain local and global strategies for promoting a healthy diet to prevent and control NCDs.

Abstract

The adoption of the United Nations Political Declaration on NCDs in September 2011 was a watershed moment for addressing the global crisis of NCDs. Oral disease, the most common NCD and one of the most expensive to treat, creates considerable health and socioeconomic burdens for all nations and is linked to modifiable risk factors such as poor nutrition and their underlying social determinants. Diets rich in carbohydrates and sugar compromises oral health and is a leading factor in the rise of type 2 diabetes. Governments must commit to action against NCDs. Strategies such as the inclusion of oral health into national health policies, plans to prevent and control NCDs, and integration of oral health into national health systems require consideration.

Pedodontics

Occlusal Guidance on Disturbance of Tooth Eruption in Children

Li-Hong Ge (China)

Time:	09:00-10:00
Room:	S421
Language:	Mandarin*
Chairperson:	Edward Lo
CERP:	1

* This session will not be interpreted. Presentation language: Mandarin

Learning objectives

Disturbance of tooth eruption affects tooth development and aesthetics in children. Its treatment is complicated. Early diagnosis may lead to easier management and better prognosis. Based on cases of eruption disturbance, literature review and research progress, its prevalence, etiology, diagnosis, treatment and prevention will be discussed in this lecture.

Abstract

A retrospective study on 750 cases of eruption disturbance treated in Peking University School and Hospital of Stomatology within 20 years showed that the etiology of the disturbance of tooth eruption included hereditary, systemic and local factors. Eruption disturbance could happen to any tooth. The most common affected tooth was maxillary central incisor. Therapeutic approach was determined according to the developmental stage, orientation and direction of the tooth germ, tooth shape and the eruption potential. The developmental state of the tooth and dentition in child patients should be carefully evaluated. Periodical oral health examination is advocated.

Preventive Dentistry in China

The Current Situation and Develop Direction

De-Yu Hu (China)

Time:	10:15-11:30
Room:	S421
Language:	Mandarin *
Chairperson:	Edward Lo
CERP:	1

** This session will not be interpreted. Presentation language: Mandarin*

Learning objectives

After this session you will be able to obtain a lot of information about current oral health and diseases status, dental manpower and dental institutes, dental policy and programs in China.

You will understand how the different factors have influenced Chinese oral health status, the oral health products marketplace and identify the needs and new direction of preventive dentistry in China.

Abstract

Since China's economic reform in 1978, great changes have taken place. These changes and challenge have significant impact on and have been reflected in oral disease trends in China. Traditional dental approaches have not been able to satisfy the needs of the Chinese population. New scientific discoveries are beginning to allow more products and therapies for early prevention and treatment of dental diseases.

This speech will discuss these changed trends, provides an overview and assessment of the current oral health status. It focuses on changes in the nation's demographic profile, the needs in the dental marketplace, the oral disease status and trends, the oral health policy, the preventive strategies and the direction of future development in China.

Wednesday 29 August

Mid-day sessions 13:00-14:00

INTERACTIVE DISCUSSION ON PRACTICAL CASES

Edoardo Cavallé (Italy) - Orthodontics & Implantology

Hans Schrangl (Austria) - Illegal Dental Practice

Maurizio Tonetti (Italy) - Periodontics

Time: 12:15-13:45
Room: Hall G
Language: English
Chairperson: Robert Tsang
Edoardo Cavallé
CERP: 1,5

Meet the Expert Dental ART Material Gottfried Schmalz (Germany)

Time: 13:00-14:00
Room: S222
Language: English
CERP: 1

Meet the Expert Effective Management of Periodontal Disease by General Dentists Lijian Jin (Hong Kong SAR, China)

Time: 13:00-14:00
Room: S223
Language: English
CERP: 1

Wednesday 29 August

Afternoon sessions 14:30-17:30

The Science and Practice of Caries Management by Risk Assessment

John Featherstone (USA)

Time:	14:30-17:30 (Break: 15:30-16:00)
Room:	Hall G
Language:	English
Chairperson:	Tak Chow
CERP:	2,5

CBCT in Oral Surgery

Nice to Have or Standard of Care

Stefan Hassfeld (Germany)

Time:	14:30-15:30
Room:	Hall F
Language:	English
Chairperson:	Robert Ng
CERP:	1

Learning objectives

Actual techniques and indications of CBCT in oral surgery and dental implantology will be discussed, including the recent literature on accuracy, image quality and radiation dose, and recommendations regarding clinical indications will be proposed.

Abstract

Panoramic radiography, still being our routine imaging tool, does not deliver spatial information and so is critical in complex anatomical situations in oral surgery. CBCT, now routinely available for more than 10 years delivers detailed and accurate 3D information of the anatomic site and pathologic changes and thus an excellent basis for diagnostics and operation planning. It is still unclear, when we can, should or must use these new imaging techniques in oral surgery. Some say, we have to use CBCT imaging in any case, others deny the necessity of CBCT at all. Guidelines are just coming up in several countries and are still discussed in a controversial way. Having 3D imaging technologies available, there are also useful options for intraoperative support, e.g. in dental implantology.

Education Forum

Xue-Dong Zhou (China)

Jun-Qi Ling (China)

Lakshman Samaranayake (Hong Kong SAR, China)

Time: 14:30-17:30 (Break: 15:30-16:00)

Room: S221

Language: English

Chairperson: Lijian Jin

CERP: 2,5

Innovative Dental Education: Challenge and Strategy

Xue-Dong Zhou (China)

Learning objectives

As the first dental school and birth place of modern dentistry in China, West China School of Stomatology (WCSS) is dedicated to develop the excellence of dental education in China and worldwide. The presentation is going to review our development, innovation, as well as the experience and current challenges.

Abstract

For over a hundred years, West China School of Stomatology has inherited its founding Philosophy of "selecting the talented, setting high-standards, enforcing strict requirements and strengthening capabilities". With this vision as our guide, we are dedicated to foster our students with comprehensive skills, professional competencies and innovation capabilities. To assure every graduate is able to meet the national need and future challenges, we bring together educators, clinicians and researchers to put science into practice in new ways. The school has designed its curriculum in close collaboration with the State Key Laboratory of Oral Diseases and National Experimental Teaching Demonstration Center. And the students are early exposed to research and clinical practice.

Current Status of Dental Education in China

Jun-Qi Ling (China)

Learning objectives

Through this lecture, the audience will get to know the history and development of dental schools and faculties in China. The information of the current status of dental educational system in China, the curriculum design and characteristics of various dental programs, as well as dental education committees/ societies in China will also be obtained in this lecture.

Abstract

After originating almost a century ago, the dental education in China experienced a fast increase in the past 10 years in both the number of dental schools and type of programs, offering more and better curriculums and practice opportunities. The dental education system in China includes junior college program, undergraduate program, postgraduate programs, 7-year bachelor-master combined program, 8-year bachelor-doctor combined program and continual education programs. These programs provide a variety of clinical medicine courses from basic medical courses to dental clinical courses. At present, most students still prefer to practice in government dental healthcare institutions. Three government-approved dental education committees play important roles in training dental educators, sharing dental education resources among different institutes and giving proper guidance.

Problem Based Learning in Dentistry (PBL) in Asia**Lakshman Samaranayake (Hong Kong SAR, China)****Learning objectives**

- What is PBL?
- The ethos of PBL;
- How it is practiced in Asia and other parts of the World;
- Advantages and disadvantages of PBL;
- Where do we go from here?

Abstract

Problem-based learning (PBL) is a student-centered instructional strategy in which students collaboratively solve problems and reflect on their experiences. PBL delivery can be dichotomous, pure or open discovery PBL and hybrid or guided-discovery PBL. Although the vast majority of dental schools that have adopted the PBL practice the guided discovery method of PBL, in Hong Kong we have used open discovery PBL for more than a decade. This presentation will highlight the author's perspective as an expert consultant to various schools in Asia, on the various models of PBL, and the fitness of PBL as a pedagogic tool. The session will end with a summary of the use and abuse of PBL, and its possible future directions.

Endodontics

Zhuan Bian (China)

Jun-Qi Ling (China)

Time:	14:30-15:30
Room:	S421
Language:	Mandarin*
Chairperson:	Chengfei Zhang
CERP:	1

Endodontics in China: present and future

Zhuan Bian (China)

Learning objectives

Through this lecture, the audience will get the information about how the endodontics in China developed in the past decades and how the current endodontics in China looks like. A brief summary about the basic and clinic research in endodontics in China will also be provided.

Abstract

In the recent 10 years, endodontic treatments in China experienced a revolutionary development. Old treatment concepts and techniques have been abandoned and replaced with modern endodontic treatment concepts and techniques. During last 20 years, the number of scientific publications about the endodontic treatment, retreatment and apical surgery in the "Journal of Endodontics" and "International Endodontic Journal" by Chinese researchers increased by more than 50 times. The basic research about the morphology, anatomy, classification and identification of complicated root canal systems, especially the C-shaped canal system, represents an important part of the endodontic research frontline in endodontic realm. The future endodontic clinical researches in China will be focused on the pulp tissue regeneration, intracanal bacteria control and new biomaterial and technique applications.

Current Status and Prospects of Endodontics in Southern China

Jun-Qi Ling (China)

Learning objectives

Through this lecture, the audience will get to know the development and current status of endodontics in southern China, the way of academic exchanges as well as the development of Endodontics Committee of Guangdong Association of Stomatology.

Abstract

The development of endodontics in southern China is characterized with following aspects:

- Incorporate the latest concepts within the diagnosis and treatment procedures in endodontics since 1996.
- Take advantage of the economic development in southern china and introduce the advanced equipments and technology to endodontic clinic practice.
- Generalize the state-of-the-art endodontics in southern china by means of continuing education, symposium and workshop.
- Promote the organization of local endodontist team, and enhance the influence of the Endodontics Committee of Guangdong Association of Stomatology.
- Take advantage of the geographic location to promote the international academic exchange and cooperation.

Mesenchymal Stem Cells: From Clinics to Bench-top and Back

Orofacial stem cells

Songtao Shi (USA)

Time:	16:00-17:30
Room:	Hall F
Language:	English
Chairperson:	Chengfei Zhang
CERP:	1,5

Learning objectives

To understand current advances in dental and orofacial stem cell research and preclinical/clinical application.

Abstract

Dental and orofacial regions contain a variety of mesenchymal stem cells. These stem cells possess specific stem cell characteristics and potential to be utilized for clinical therapies, such as periodontal tissue regeneration, dental pulp regeneration, and bio-root regeneration.

Implant Dentistry

Yucheng Su (China)

Lei Zhou (China)

Time: 16:00-17:30

Room: S421

Language: Mandarin*

Chairperson: Simon Ho

CERP: 1,5

* This session will not be interpreted. Presentation language: Mandarin

Aesthetic Principle and Protocols in Implant Dentistry

Yucheng Su (China)

Learning objectives

- Risk and principle of implant placement in anterior maxilla
- Timing and protocols for implant placement in anterior maxilla (immediate implant placement, early implant placement, delay implant placement).
- Protocols and techniques for implant loading of implant placement in anterior maxilla (immediate implant restoration, early and conventional loading).

Abstract

There are bone and soft tissue defect usually for implant placement in anterior maxilla. This factors impact the aesthetic result. So that in the lecture the following topics will be further discussed. The advantage and risk of Immediate implant placement, application of Tissue Level implant and Bone Level implant, GBR principles and techniques, how to select implant loading protocols.

In fact, getting the aesthetic result of implant restoration in anterior maxilla has become a reality. It is no longer a dream.

Sinus Elevation and Simultaneously Implant Placement

Lei Zhou (China)

Learning objectives

Introduce a new implant rehabilitation procedure for the cases without enough vertical alveolar height in the posterior maxilla.

Demonstrate to the audience about how to use this procedure and the key points of it to get successful result.

Abstract

For the patients with tooth loss and pneumatization of the sinus. Sinus floor elevation procedures often require to allow the placement of dental implants. Unfortunately, in the patients with residual alveolar bone height less than 3mm, a prolonged period of time is usually

needed. The sinus elevation before the implant placement is usually one of the procedures in the treatment protocol. To shorten the treatment period needed for the rehabilitation of the edentulous, it's very necessary to place the implant simultaneously with sinus lift. Several aspects that are important for successful sinus elevation and simultaneously implant placement are discussed in this presentation.

FDI 2013 Istanbul Annual World Dental Congress

28 to 31 August 2013 - Istanbul, Turkey

Bridging Continents for Global Oral Health



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30 August 2012 - Thursday (Day 2)

Time	S222	S223	S228	S423	Hall B	Hall G	Hall F	S221	S421
07:45-08:45	<p>Early Morning Seminar Alexander Tolmeier Financial Management: Tools and Best Practices</p>								
09:00-11:30			<p>Women Dentists Worldwide Forum How Can a Female Dentist Prevent Burnout? Vesna Barac Furtinger Deborah Chan Pam Clark Soukÿe Dia Tine Theresa Gonzales Alphonsine Mukandoli May CW Wong Coleman McGrath</p>			<p>Mastering Esthetic Dentistry from Adhesion to Zirconia Adhesion and Direct Restorative Dentistry Marcus Blatz Alan Atlas</p>	<p>Periodontics Maurizio Tonetti</p>	<p>Tobacco Control Forum Tobacco Use, Oral Health and the Dentist - How to Make Prevention Work? Judith Mackay Newell Johnson Homer Tso Habib Benzan Orlando Monteiro da Silva</p>	<p>Practice Management and Prevention John Featherstone William Cheung</p>
12:00-13:00		<p>Chaired Poster Sessions (Poster Area-Exhibition Hall)</p>						<p>Colgate's Dentin Hypersensitivity Symposium Michael Rethman Yun Po Zhang Stephen Wei (12:15-14:15)</p>	<p>Lunch Break</p>
13:00-14:00	<p>Meet the Expert John Featherstone Dental Caries Science and Prevention</p>	<p>Meet the Expert Song Iao Shi Stem Cell Therapy in Dentistry</p>							

Time	S222	S223	S228	S423	Hall B	Hall G	Hall F	S221	S421
14:30-15:30			Women Dentists Worldwide Forum How Can a Female Dentist Prevent Burnout? Vesna Barac Furtinger Deborah Chan Pam Clark Soukÿe Dia Tine Theresa Gonzales Alphonsine Mukandoli May CM Wong Coleman McGrath	WDDHPC/PHS Forum Using Appropriate Oral Health Human Resources to Increase Access to Preventive and Treatment Services Prathip Phantumvanit Fanyne Thompson Joseph Chan	Young Dentists Worldwide Forum Challenges of Modern Diagnostics and Treatment Planning for Young Dentists 2012 Ionut Luchian Christine Bellmann Nikos Mattheos Sagar Abichandandi Juliane Gnoth Ingmar Dobberstein Babak Sayahpour Michael Ermer	Mastering Esthetic Adhesion to Zirconia Esthetic Dentistry: The CAD/CAM Ceramic Update Marcus Blatz Alan Atlas	Endodontic Lesions Treatment: How to Be More Efficient? Jean-Yves Cochet	Saliva Biomarkers for Chairside Screening of Medical Conditions David Wong	Uncertainties in Nonsurgical Treatment of Skeletal Class III malocclusion Zhi-He Zhao
15:30-16:00	Free Communications								Break
16:00-17:30						Peri-implantitis How to Treat it Successfully Frank Schwarz	Endodontic Lesions Treatment: How to Be More Efficient? Jean-Yves Cochet	FDI Science Committee Session David Wong Cun-Yu Wang Gottfried Schmaiz	Replacing Tears with Saliva: Hope for Patients with Severe Dry Eye Syndrome Guang-Yan Yu

30 August 2012 - Thursday (Day 2)

Thursday 30 August

Early morning sessions 07:45-08:45

Early Morning Seminar Financial Management: Tools and Best Practices

Alexander Tolmeijer (The Netherlands)

Time: 07:45-08:45
Room: S222
Language: English
CERP: 1

Thursday 30 August

Morning sessions 09:00-11:30

Mastering Esthetic Dentistry from Adhesion to Zirconia

Adhesion and Direct Restorative Dentistry

Alan Atlas (USA)

Markus Blatz (USA)

Time: 09:00-11:30
Room: Hall G
Language: English
Chairperson: Stefani Cheung
CERP: 2,5

Learning objectives

- Attain an enhanced understanding of dental adhesion, new adhesive materials, and placement of composite resins
- Apply research-based step-by-step treatment protocols for improving long-term durability and survival of posterior composite restorations
- Describe scientific based indications and treatment planning strategies for selection and placement of post systems, post luting cements and core materials for esthetic restorations.

Abstract

Adhesive Dentistry has emerged into a universal technology that applies to virtually all areas of restorative dentistry. A profound knowledge of dental adhesion and its scientific background as well as understanding key essential concepts for proper selection of materials will help establish favourable long-term outcomes of direct posterior esthetic restorations and the restoration of endodontically treated teeth.

This course will demonstrate step by step concise restorative treatment planning guidelines that fulfill today's esthetic demands and integrates current restorative materials and protocols. Procedures and techniques for esthetic and functional success with adhesives, composites and foundational post and core materials will be reviewed, based on the most current scientific evidence, to assess what factors most influence the clinical results.

Periodontics

Maurizio Tonetti (Italy)

Time:	09:00-11:30
Room:	Hall F
Language:	English
Chairperson:	Gordon Chiu
CERP:	2,5

Tobacco Control Forum Tobacco Use, Oral Health and the Dentist - How to Make Prevention Work?

*Oral Health Promotion and Prevention must include
Control of Tobacco Use*

Judith Mackay (Hong Kong SAR, China)

Newell Johnson (Australia)

Homer Tso (Hong Kong SAR, China)

Habib Benzian (Germany)

Orlando Monteiro da Silva (Portugal)

Time: 09:00-11:30

Room: S221

Language: English

Chairperson: Homer Tso

CERP: 2,5

Learning objectives

At the end of the session participants will be able to:

- Understand the impact of tobacco use on oral health
- Appreciate the role model of oral health professionals and their working environments
- Describe effective interventions for smoking cessation in the dental context
- Encourage an active role of dental associations in tobacco control

Abstract

Tobacco use in any form is a major public health problem and has huge impacts on general and oral health. Therefore it should be a concern of every oral health professional to know about the harmful effects of tobacco use and to provide appropriate information and help to patients. This session will outline the effects of tobacco use on oral health and outline effective interventions that can be easily and quickly integrated in to every practitioner's daily work. Furthermore, dental professional associations have a major role as advocates against tobacco use on a national and international level. An interactive round-table discussion with international experts will complement the session.

The Global Epidemic of Tobacco

Judith Mackay (Hong Kong SAR, China)

Oral Health and Tobacco Use

Newell Johnson (Australia)

Learnings from Tobacco Control in Hong Kong

Homer Tso (Hong Kong SAR, China)

The Dental Team and Tobacco Control

Habib Benzian (Germany)

Interactive Round Table Discussion

Judith Mackay, Newell Johnson, Homer Tso, Habib Benzian, Orlando Monteiro da Silva

Practice Management and Prevention

John Featherstone (USA)

William Cheung (Hong Kong SAR, China)

Time: 09:00-11:30

Room: S421

Language: English*

Chairperson: Lakshman Samaranayake

CERP: 2,5

* This session will not be interpreted. Presentation language: English

Practical Management of Dental Caries

John Featherstone (USA)

The New Century Preventive Practice

William Cheung (Hong Kong SAR, China)

Learning objectives

Participants will learn the following through this presentation:

- 1. What are we preventing in oral diseases?
- 2. CAMBRA and caries management
- 3. PEMBRA and periodontal disease management
- 4. OCRA and oral cancer screening
- 5. Teamwork in prevention
- 6. How prevention benefits both the patient and the dentist

Abstract

Dr. Cheung will discuss the current prevention philosophy in Dentistry. He will also discuss how to incorporate such philosophy in the general dental practice. Since prevention of oral disease is a team effort, various members of the team and their role in prevention will be discussed. He will also discuss how a preventive-oriented practice will benefit both the patients and the practice to increase patient referral and profitability.

Women Dentists Worldwide Forum How Can a Female Dentist Prevent Burnout?

Vesna Barac Furtinger (Croatia)

Deborah Chan (Hong Kong SAR, China)

Pam Clark (USA)

Soukèye Dia Tine (Senegal)

Theresa Gonzales (USA)

Alphonsine Mukandoli (Rwanda)

May CM Wong (Hong Kong SAR, China)

Coleman McGrath (Hong Kong SAR, China)

Time: 09:00-14:15

Room: S228

Language: English

Abstract

The forum will give lectures about different aspects and syndroms of burnout.

Burnout was probably first mentioned in the 1960 novel "Burned out case" by Graham Green.

Today it is one of the most expensive diseases.

Research indicates that general practitioners have the highest proportion of burnout cases.

Many theories of burnout deal with negative outcomes, including jobfunktion and health (heart disease, stress) and mental health problems (depression).

Thursday 30 August

Industry Lunch Symposia 12:15-14:15

Colgate's Dentin Hypersensitivity Symposium Effective Management of Dentin Hypersensitivity

Michael Rethman (USA)

Yun Po Zhang (USA)

Stephen Wei (Hong Kong SAR, China)

Time: 12:15-14:15

Room: S221

Language: English

Learning objectives

Dentin Hypersensitivity is an increasingly prevalent and growing problem globally that has required special attention by dentists and dental hygienists alike. It is important for today's clinical practitioners to understand effective and contemporary approaches to manage dentin hypersensitivity and at the same time control the underlying conditions that may manifest in the dental office. This symposium will provide an in-depth review of the complex and multifactorial etiology, the importance of a proper differential diagnosis, the various treatment options and strategies for the effective management of dentin hypersensitivity by using the latest products based on extensive laboratory and clinical trials for both in-office treatments and followed by at-home use.

- Michael Rethman: Provide an overview of the epidemiology, the etiology, and differential diagnosis for the management of dentin hypersensitivity. (Speaker:)
- Yun Po Zhang: Review the evidence of scientific literature to support different technological approaches to treat dentin hypersensitivity, including the mode of action and clinical indications for therapeutic agents to manage dentin hypersensitivity
- Stephen Wei: Present the clinical manifestations and symptoms of dentin hypersensitivity in its multifactorial forms including gingival recession, periodontal disease, enamel wear and dentinal exposure, unusual oral habits, erosion, tooth whitening procedures etc. Recommendations will be offered for the most effective system which is the use of an office applied product by the dental professional followed by the home use of a specially formulated dentifrice. In addition the use of a newly developed mouth rinse can result in the total control of dentin sensitivity.

1- Dentin Hypersensitivity: Epidemiology, Etiologies, Biomechanics and Differential Diagnosis

Michael Rethman (USA)

Abstract

This presentation will outline the epidemiology as well as the etiology and mechanics of dentinal hypersensitivity. He will also discuss differential diagnosis of the malady.

2- Innovation in Prevention and Treatment of Dentin Hypersensitivity

Yun Po Zhang (USA)

Abstract

This presentation will briefly cover the biology of dentin hypersensitivity, and current management on reducing dentin hypersensitivity by professionals in the office and by consumers at home. Further, it will review a breakthrough innovation which contains pro-argin technologies, mechanism of action, and clinical evidence, for controlling dentin hypersensitivity. The review will then be extended to various treatment options and strategies for the more effective management and controlling of dentin hypersensitivity by using new in-office and OTC products (prophylaxis paste, toothpaste and mouthrinse) containing pro-argin technologies. These measures are based on extensive laboratory studies and clinical trials.

3- Clinical Manifestations and Effective Management of Dentin Hypersensitivity

Stephen Wei (Hong Kong SAR, China)

Abstract

This session will focus on the clinical manifestations and symptoms of dentin hypersensitivity in its multi-factorial forms including gingival recession, periodontal disease, enamel wear and dentinal exposure, unusual oral habits, abrasion, abfraction, erosion, tooth whitening procedures etc. Effective prevention and management recommendations will be offered from a clinical perspective with the aim of increasing patient comfort and compliance during dental treatment by introducing a regimen approach which includes an in-office professional application followed by a continuous care maintenance program for home use with the a specially formulated dentifrice and a newly developed mouthwash. These recommendations are based on the results of extensive and in depth laboratory studies and numerous clinical trials over several years in a series of published papers in professional journals.

Thursday 30 August

Mid-day sessions 13:00-14:00

Meet the Expert

Dental Caries Science and Prevention

John Featherstone (USA)

Time: 13:00-14:00

Room: S222

Language: English

CERP: 1

Meet the Expert

Stem cell therapy in dentistry

Songtao Shi (USA)

Time: 13:00-14:00

Room: S223

Language: English

CERP: 1

Learning objectives

To learn cell therapy potential in dentistry

Abstract

Current stem cell research offered great potential to use stem cells to treat dental/orofacial diseases. Translational research approaches have made tremendous progress in cell-based therapy for dental/orofacial defects.

Thursday 30 August

Afternoon sessions 14:30-17:30

Mastering Esthetic Dentistry from Adhesion to Zirconia

Esthetic Dentistry: The CAD/CAM Ceramic Update

Alan Atlas (USA)

Markus Blatz (USA)

Time: 14:30-15:30

Room: Hall G

Language: English

Chairperson: Stefani Cheung

CERP: 1

Learning objectives

- Attain a scientific-based update on dental esthetics, ceramics, and CAD/CAM technology
- Implement rational treatment planning concepts for anterior and posterior esthetic restorations to achieve successful outcomes based on scientific evidence and integration of new technologies
- Apply research-based step-by-step treatment protocols for improving long-term success of tooth- and implant-supported ceramic restorations

Abstract

Profound knowledge of esthetic principles is fundamental to plan and select proper treatment, technologies, and materials. CAD/CAM technology and ceramic materials are the foundations of modern, esthetically driven restorative treatment concepts, from conservative veneers/inlays/onlays to full-mouth implant-supported rehabilitations. CAD/CAM technology facilitates precise fabrication of all-ceramic restorations, provisionals, implant components, and custom-made bars and frameworks to support fixed/removable prostheses in complex cases. Keys to success include case selection, treatment planning, clinical handling (i.e., cementation and bonding protocols), and communication with the dental laboratory.

This course will review guidelines for esthetic and functional success with modern technologies and ceramic materials based on the most current scientific evidence.

Endodontic Lesions Treatment: How to be more efficient?

Jean-Yves G Cochet (France)

Time:	14:30-17:30 (Break: 15:30-16:00)
Room:	Hall F
Language:	English
Chairperson:	Robert Ng
CERP:	2,5

Learning objectives

At conclusion, participants should be able to:

- Read a CT Scan and a CBCT, understand its possibilities
- Simplify lesions treatment strategy
- Identify the clinical indications of conservation or extraction
- Understand the use of MTA and Biodentine in Pulp Capping and Perforation treatment
- Identify indications of endodontic surgery
- Recognize the indication of piezo Surgery

Abstract

The Endodontic lesions treatment is for general practitioner and Endodontists a real problem.

The use of new technology increases significantly the success of our therapy.

CT scan and CBCT providing considerably more information than traditional X-Rays and guide our treatment.

New NiTi Instruments are more efficient for cleaning and shaping in association with new irrigation procedure and medication.

The biological material, like MTA and Biodentine used for pulp capping, resorption and perforation treatment save many teeth which have been extracted in the past,

Endodontic surgery and complementary surgery developed tremendously the possibilities of treatment and success.

A new approach for endodontic large lesions treatment and piezo-surgery for endodontic surgery gives us a new philosophy of bone regeneration and preservation.

Saliva Biomarkers for Chairside Screening of Medical Conditions

Saliva Diagnostics

David T. W. Wong (USA)

Time:	14:30-15:30
Room:	S221
Language:	English
Chairperson:	Lijian Jin
CERP:	1

Learning objectives

The presentation will provide the background of salivary diagnostics and the current exciting development of scientific advancements and technologies that enables saliva for early detection of oral and systemic diseases. These advancements integrate in timely and impactfully into a dentist's office for effective chairside screening for medical conditions.

Abstract

Advances in the science of salivary diagnostics have led to identification of disease signatures of candidate biomarkers and/or confirmation of genetic susceptibility for oral and systemic conditions. With the development of the salivary proteome, transcriptome, micro-RNA, metabolome and microbiome as diagnostics alphabets fully

enable saliva to be translated for personalized individual medicine applications. Salivary biomarkers panels have been developed for oral cancer, lung cancer, pancreatic cancer, breast and ovarian cancers. Coupled with the development of point-of-care technologies and the emerging trend of chairside screening for medical conditions, the clinical impact of scientifically credentialed salivary biomarkers for molecular oncology application will include the improvement of access to care, reducing health disparities and impacting global health.

Uncertainties in Non-surgical Treatment of Skeletal Class III malocclusion

Zhi-He Zhao (China)

Time:	14:30-15:30
Room:	S421
Language:	Mandarin*
Chairperson:	John Ling
CERP:	1

* This session will not be interpreted. Presentation language: Mandarin

Learning objectives

TAD-anchored Maxillary Protraction (MP) is a new technique of MP in recent years. The learning objectives of this lecture are to understand the following uncertainties: 1. Could TAD-anchored MP result in greater maxillary advancement? 2. Would TAD-anchored MP bring less side effects of tooth movement?

Abstract

Non-surgical treatment of skeletal Cl. III is a most challenging part of an orthodontist's job. In recent years, some orthodontists have seen a new application of TAD as anchorage for orthopedic therapies, especially for maxillary protraction (MP). Here comes an interesting uncertainty: is the novel TAD-anchored MP really effective, and even more effective than the traditional tooth-anchored MP? To answer this uncertainty, the most convincing way is probably a systematic review. According to our analysis, the TAD-anchored MP is effective, and even more effective than the tooth-anchored MP. In addition, compared with the tooth-anchored MP, the TAD-anchored MP may well bring less side effects, including proclination of maxillary incisors and extrusion of maxillary molars.

Women Dentists Worldwide Forum How Can a Female Dentist Prevent Burnout?

Vesna Barac Furtinger (Croatia)

Deborah Chan (Hong Kong SAR, China)

Pam Clark (USA)

Soukèye Dia-tine (Senegal)

Theresa Gonzales (USA)

Alphonsine Mukandoli (Rwanda)

Betina Rama (Argentina)

Time: 14:30-17:30 (Break: 15:30-16:00)

Room: S228

Language: English

Abstract

The forum will give lectures about different aspects and syndroms of burnout.

Burnout was probably first mentioned in the 1960 novel "Burned out case" by Graham Green.

Today it is one of the most expensive diseases.

Research indicates that general practitioners have the highest proportion of burnout cases.

Many theories of burnout deal with negative outcomes, including job funktion and health (heart disease, stress) and mental health problems (depression).

Joint World Dental Development & Health Promotion Committee (WDDHPC) / Public Health Section (PHS) Forum Using Appropriate Oral Health Human Resources to Increase Access to Preventive and Treatment Services

Prathip Phantumvanit (Thailand)

Fannye Thompson (Barbados)

Joseph Chan (Hong Kong SAR, China)

Time: 14:30-17:30 (Break: 15:30-16:00)

Room: S423

Language: English

Chairpersons: Juan Carlos Llodra Calvo
Joseph Chan

Learning objectives

After the presentations participants will be able to:

- Determine how a diverse workforce can be used to improve oral health status;
- Describe and discuss health human resource approaches used to address various situations;
- Understand the importance of workforce planning relating to prevention and health promotion in the context of national policies.

Abstract

The inclusion of human resource planning into appropriate public policy and successful interventions is crucial to improve the oral health status of populations and individuals. This session will examine practical examples of how good health human resource planning can be translated into health improvements. Subject areas such as fluoride applications, atraumatic restorative treatment (ART) and other interventions will be discussed.

Oral Health Human Resource Planning for Developing Countries **Prathip Phantumvanit (Thailand)**

Learning objectives

- To discuss the practical oral health manpower planning for developing countries.
- To determine the appropriate oral health human resource for health promotion, prevention and services at the national level.

Abstract

Oral health manpower planning, both at the national and local level, is crucial for the access of oral health care to the people. Case studies in Malaysia and Thailand by successful public policy with appropriate use of oral health human resource, i.e. dentists as community oral health leader supported by effective oral health team such as dental nurses will be discussed. Oral health human resource planning is useful not only for dental services but also for health promotion including prevention and care for all age group such as fluoride and simple restoration.

The Future Manpower Utilization of the Auxiliary Dental Officer (Dental Nurse) in Barbados

Fannye Thompson (Barbados)

Learning objectives

At the end of this presentation, the participant will be able to:

- Understand how and why the Auxiliary Dental Officer post was established.
- Describe the impact of this cadre of personnel changed the focus of dentistry in the island.
- Understand the nuances that effect the continuing professional development with this cadre of personnel.
- Understand how the dynamics of improved training capacities affect manpower planning and utilization.

Abstract

The position of Auxiliary Dental Officer was established in the Barbados Ministry of Health and Welfare in 1972. This was due to the shortage of trained Dentists and as a means of concentrating on the prevention and treatment of dental disease. From the original number of two Auxiliaries and one Hygienist, gradually fifteen posts were created to accommodate this level of personnel. Forty years later, the Auxiliary Dental Officer is still the main provider of dental care to school-aged children.

With the advent of the new training programme within the English-speaking Caribbean thereby achieving a dually trained Dental Hygienist/Therapist, Barbados is now faced with the task of whether or not to utilize the present staff in their current capacity, upgrade their training, treatment capacity and salaries or decide how best to use the lessons learned with this caliber of staff for the further improvement of the Government Dental Services.

Utilization of Dentists and Dental Therapists in the School Dental Care Service in Hong Kong

Joseph Chan (Hong Kong SAR, China)

Abstract

In Hong Kong, the Department of Health provides a School Dental Care Service to all primary school children. It is an oral health promotion programme with both preventive and curative components. The service is provided in 8 clinics by a diverse workforce of 30 dentists and 270 dental therapists. With the help of a management and information system and the implementation of an ISO quality management system the service has been able to effectively utilise its workforce, maintain a certified quality assurance programme and improve the oral health of over 300,000 children.

Young Dentists Worldwide Forum Challenges of Modern Diagnostics and Treatment Planning for Young Dentists 2012

Ionut Luchian (Romania)

Christine Bellmann (Germany)

Nikos Mattheos (Australia)

Sagar Abichandandi (India)

Juliane Gnoth (Germany)

Ingmar Dobberstein (Germany)

Babak Sayahpour (UK)

Michael Ermer (Germany)

Time: 14:30-17:30 (Break: 15:30-16:00)

Room: Hall 3B

Language: English

Chairperson: Juliane Gnoth

Learning objectives:

After attending this session, attendees will:

- receive a comprehensive overview of the most current digital diagnostic techniques and devices and their importance for treatment planning
- understand the modern treatment planning principles when designing restorative treatments in the esthetic zone, including the use of dental implants
- receive information on how to identify symptoms of TMD and get to know the influence of psycho-emotional stress on TMD and pain
- get ideas of how young dentists worldwide implement different systems and information into their daily diagnostics and treatment planning

Abstract

The growing number of treatment options and diagnostic methods in dentistry are a great challenge for young dentists worldwide. In a short time the dentists need to decide what to look for and to decide the important from the unimportant information. Together with the patient the treatment options for his case need to be discussed and a solution need to be found. The speakers in the forum will talk about their experiences and give young dentists a guide through several options in diagnostics and treatment.

Digitalized x-ray systems between challenge and benefit in clinical practice

Ionut Luchian (Romania)

Abstract

When we start working as a dentist we should keep in mind that all our efforts should be focused on providing the best dental care to our patients but doing that as a young doctor can be sometimes extremely challenging. We all agree on the fact that for a suitable and ethical treatment planning we have to establish a correct diagnosis. Correct diagnosis involves knowledge, good training and adequate diagnostic systems.

The aim of this lecture is to provide an objective overview on the modern diagnostic tools that we can use in order to have a successful practice from the very beginning. We will try to emphasize the importance of a correct treatment planning in different specialties using the digital devices for a predictable clinical result.

Strategy of the esthetic design at the upper front, case report

Christine Bellmann (Germany)

Abstract

Because of highly developed dental techniques a dentist has a wide range of possibilities to provide patients with esthetic crowns, bridges or even implant-supported reconstructions at the upper front. Not only various opportunities of dental prosthetics, also the broad spectrum of materials for crowns and bridges, make a precise analysis and planning necessary. The difficulty is to choose the right kind of treatment for each individual case. The presentation will lead through the process of diagnostic findings and individual planning based on a case report and will highlight important criteria for analogue decision-making.

Keeping the end in mind: Restorative-driven treatment planning with dental implants

Nikos Mattheos (Australia)

Abstract

Research and development of more than 30 years have made dental implants a safe and effective treatment to benefit large parts of the population. The challenge we face today, however, is how to best integrate implant dentistry in an evidence-based, multidisciplinary and comprehensive treatment plan.

Dental implants constitute but one treatment modality, a powerful tool in a greater treatment plan. Much of the complications we see today in patients treated with dental implants could have been prevented if sound principles of comprehensive treatment planning had been followed.

The presentation will focus on the challenges of implementing implants in a treatment plan and will discuss the key principles for restorative driven, evidence-based treatments with dental implants.

The stepping stone of fixed Prosthodontics – diagnosis and treatment planning revisited

Sagar Abichandandi (India)

Abstract

Fixed prosthodontic treatment can offer exceptional satisfaction for both patient and the dentist. Fixed prosthodontics can transform an unhealthy, unattractive dentition with poor function into a comfortable, healthy occlusion capable of giving years of further service while greatly enhancing esthetics.

To achieve success, requires meticulous attention to every detail from initial patient interview through the active treatment phases to a planned schedule of follow-up care. Problems encountered during treatment can often be traced to errors and omissions during history taking and initial examination.

This presentation will aim at highlighting the most often neglected aspect of diagnosis and treatment planning in fixed partial dentures and ways to improve the prognosis and long term success.

TMD short screening for every-day-dentistry

Juliane Gnoth (Germany)

Abstract

The prevalence of temporomandibular disorders is high and the symptoms can be overseen easily. Even patients that seem to have healthy temporomandibular joints might have a serious problem that might appear after new prosthodontic treatment. A TMD check gives an instrument to figure out if there might be a treatment need for temporomandibular disorders. The short lecture will describe the steps of the TMD short screening plus additional diagnostics.

TMD and its therapy from a holistic perspective

Ingmar Dobberstein (Germany)

Abstract

In every day dental practise we observe raising numbers of patients with TMD. What is the reason for this development and how can we manage these patients? The short lecture will show concepts and ways to treat TMD away from only dental aspects. The speaker will show a holistic approach to diagnose the connection between TMD and the skeletal - muscular system as well as their combined therapy.

Stress, pain and psychological symptoms in patients with temporomandibular disorders

Babak Sayahpour (UK)

Abstract

The objective of this research was to analyze the influence of stress on pain perception and its influence on everyday life.

Furthermore the connection between temporomandibular disorders (TMD) and stress management had been investigated. 98 patients in the age of 19-35 were examined who had experienced pain in the temporomandibular system within the last 6 months.

The research lead to the conclusion that specific factors of stress play a distinct role for the experience and perception of pain and also for the complaint intensity of patients with TMD.

Challenges in Dental Surgery - A Highlight on Anticoagulants and Bisphosphonates

Michael Ermer (Germany)

Abstract

In today's ageing societies dentist commonly treat patients with chronic medical conditions requiring regular drug administration. When talking about dental surgical treatment, there is a long and vivid history of discussions, whether or not oral anticoagulation with coumarines needs to be withdrawn or substituted for low-molecular-weight-heparines (LMWH).

Bisphosphonates (BP) have moved into the oral surgeons' spotlight in recent years due to a growing number of BP associated osteonecrosis of the jaws, first described in 2003.

The presentation will give an update on guidelines, state-of-the-art treatment and prophylaxis of adverse events when treating patients with oral anticoagulation or bisphosphonates.

Peri-Implantitis: How to Treat it Successfully

Frank Schwarz (Germany)

Time:	16:00-17:30
Room:	Hall G
Language:	English
Chairperson:	Esmonde Corbet
CERP:	1,5

Learning objectives

To learn how to manage peri-implantitis lesions

Abstract

The treatment of infectious diseases affecting osseointegrated implants in function has become a demanding issue in implant dentistry. While nonsurgical therapy of peri-implantitis was not found to be effective, access flap surgery was associated with a resolution of the inflammatory cell infiltrate and promotion of new bone fill. Basically, surgical therapy of peri-implantitis may be accomplished employing resective and/or regenerative approaches and should consider the specific defect component (i.e. intrabony and supracrestal aspects). The lecture will provide cutting edge knowledge on what current and future treatments may work.

FDI Science Committee Session

Cun-Yu Wang (USA)

Gottfried Schmalz (Germany)

David T. Wong (USA)

Time:	16:00-17:30
Room:	S221
Language:	English
Chairperson:	Lijian Jin
CERP:	1,5

Targeting Inflammation Promotes Stem Cells-Mediated Regeneration

Cun-Yu Wang (USA)

Learning objectives

- Oral inflammation inhibits tissue generation and repair
- Oral inflammation impairs adult stem cell functions
- Inhibition of inflammation promotes tissue regeneration and repair

Abstract

Mesenchymal stem cell (MSC)-based transplantation is a promising therapeutic approach for bone regeneration and repair. In the realm of therapeutic alveolar bone regeneration, the defect or injured tissues are frequently inflamed with an abnormal expression of inflammatory mediators. Growing evidence suggests that pro-inflammatory cytokines inhibit osteogenic differentiation and bone formation. Thus, for successful MSC-mediated repair, it is important to overcome the inflammation-mediated inhibition of tissue regeneration. Using genetic and chemical approaches, we found that pro-inflammatory cytokines stimulated IKK-NF- κ B and impaired osteogenic differentiation of MSCs. In contrast, the inhibition of IKK-NF- κ B significantly enhanced MSC-mediated bone formation. Considering the well-established role of NF- κ B in inflammation and infection, our results suggest that targeting NF- κ B may have dual benefits in enhancing oral bone regeneration and repair.

High Esthetics and Tissue Conservation - The Ceramic Partial Crown **Gottfried Schmalz (Germany)**

Learning objectives

After the presentation participants will be able to:

- Communicate with patients about the advantages of ceramic partial crowns including veneers, especially informing her/him about the longevity and the tissue conservation
- Identify patients which are best suitable for partial ceramic crowns
- Select the optimal preparation technique for the individual patient
- Prepare for temporaries, especially for veneers
- Select the suitable ceramic material
- Prevent ceramic fracture or fracture of residual tooth structure
- Prevent dental material related postoperative sensitivity by selecting a suitable luting material

Abstract

For a partial ceramic crown less sound tooth tissue has to be removed compared to a full crown restoration and, at the same time, optimal esthetics is achievable. Longevity of ceramic partial crowns is similar to those from gold alloys (85 - 90 % over 10 years). Subgingival location of the cavity margin is possible if the cavity margins are clearly visible and rubber dam can be applied. Temporaries for veneers are prepared before on a gypsum model preparation and then luted with a flowable composite without adhesive. Leucite reinforced is established and disilicate ceramics are entering the practice. A minimal ceramic thickness of 1 - 1.5 mm is still recommended to prevent ceramic fractures. Adhesive luting is recommended and can be performed with self-adhesive materials, dual curing composite materials and - for veneers - with light cured flowables, either employing self-etch or etch & rinse adhesives.

*Chairside Screening for Medical Conditions in the Dental Office
Using Salivary Biomarkers*

David T.W. Wong (USA)

**Replacing Tears with Saliva: Hope for Patients
with Severe Dry Eye Syndrome**

Guang-Yan Yu (China)

Time: 16:00-17:30

Room: S421

Language: Mandarin*

Chairperson: Richie Yeung

CERP: 1,5

** This session will not be interpreted. Presentation language: Mandarin*

Learning objectives

Dry eye syndrome is a relatively common ophthalmological disorder characterized by a reduced amount of tears or no tears and has serious complications. In 1999, our research group started clinical work on submandibular gland transplantation with the concept of treating dry eye syndrome with saliva as a source of tears.

Abstract

During the period between August 1999 and May 2012, 163 patients (175 eyes) with severe dry eye syndrome underwent microvascular autologous submandibular gland transplantation. The transplantation was successful in 157 glands (89.7%) but failed in 18 glands. In the patients with successful transplantation, the symptoms of dry eye disappeared or were alleviated. The discomfort resulting from bright light and wind was also alleviated. These patients were able to discontinue use of artificial tear substitutes. Post-operative ophthalmologic examination showed reduced number of spots and intensity on fluorescent staining, cornea turbidity and capillary formation. Visual acuity improved in some patients. Long-term follow-up reveals that this technique is a lasting and effective solution for patients with severe dry eye syndrome.



FDI Global Caries Initiative

"Leading the World to Optimal Oral health"

www.globalcariesinitiative.org



FDI's Global Caries Initiative (GCI), launched in 2009, seeks to unite a broad alliance of key influencers and decision-makers behind a common

goal: to effect fundamental change in health systems and individual behaviour to realize the overarching vision or eradicating caries by 2020.

31 August 2012 - Friday (Day 3)

Time	S222	S223	Hall G	Hall F	S221	S421
07:45-08:45	<p>Early Morning Seminar William Cheung Staff: The Heart of your Practice</p>					
09:00-11:30	<p>Free Communications</p>		<p>Fixed Implant Supported Solutions for Partially Edentulous Arches Baldwin Marchack</p>	<p>Dental Materials Alert Gottfried Schmalz Peter Cooney</p>	<p>The Continuing Challenge of Oral Cancer around the Globe Newell Johnson Cun-Yu Wang</p>	<p>IAP Symposium Diabetes and Dental Practice Dana Graves Christopher A. Newton Tom Van Dyke</p>
12:00-13:00	<p>Chaired Poster Sessions (Poster Area-Exhibition Hall)</p>					<p>GSK Symposium Developments in Dentistry, The Changes, Implications and Future of Daily Oral Care Yiu Bun-ka Nicola West Leonard Likowski Stephen Mason (12:15-14:15)</p>
13:00-14:00	<p>Meet the Expert Baldwin Marchack Implant Restoration</p>	<p>Meet the Expert Newell Johnson Oral Cancer</p>		<p>Lunch Break</p>		

Time	S222	S223	Hall G	Hall F	S221	S421
14:30-15:30				Updates on Bonding Franklin Tay	Glass-Ionomer Cements Martin Tyas	Characteristics of Dental Implant in the Geriatric Patients Hong-Chen Liu
15:30-16:00	Free Communications		YEAR IN REVIEW John Featherstone - Cariology Pierre Baehni - Periodontics Jean-Yves Cochet - Endodontics Niklaus Lang - Treatment		Break	
16:00-17:30				Practice Management/Risk Management Strategies for success Kevin Lewis Raj Rattan	Oral Health Issues for the Vulnerable Elderly Ian Meyers Ralph Katz	The Determining Factors for the Long- Term Prognosis of Periodontal Treatment Jin-Cai Zhang

31 August 2012 - Friday (Day 3)

Friday 31 August

Early morning sessions 07:45-08:45

Early Morning Seminar

Staff: The heart of your practice

William Cheung (Hong Kong SAR, China)

Time: 07:45-08:45

Room: S222

Language: English

CERP: 1

Friday 31 August

Morning sessions 09:00-11:30

Fixed Implant Supported Solutions for Partially Edentulous Arches

Baldwin Marchack (USA)

Time: 09:00-11:30

Room: Hall G

Language: English

Chairperson: Tak Chow

CERP: 2,5

Learning objectives

By the completion of this course each participant should be able to:

- Diagnose and treatment plan fixed implant solutions with confidence
- Communicate implant prosthesis designs to the laboratory effectively
- Understand the biomechanics of teeth and Implants
- Communicate desired occlusal schemes for restorations with the lab
- Consistently create ideal, esthetic and functional implant restorations with healthy gingival tissue

Abstract

This presentation will give both the experienced and novice practitioner a better understanding of how restorative implant dentistry has evolved. Treatment planning and restorative options for single and multiple implants will be discussed, and the use of modern high strength materials such as zirconia and CAD/CAM technology in fabricating the most contemporary fixed implant supported prostheses will be demonstrated.

Dental Materials Alert

Gottfried Schmalz (Germany)

Peter Cooney (Canada)

Time:	09:00-11:30
Room:	Hall F
Language:	English
Chairperson:	Jukka Matinlinna
CERP:	2,5

Which Material for Which Patient?

How to prevent adverse effects.

Gottfried Schmalz (Germany)

Learning objectives

After the presentation participants will be able to:

- Communicate with patients about potential risks from dental materials
- Distinguishing between general risk and individual risk
- Identify symptoms of material related allergies, especially related to resins and adhesives and to dental alloys (including titanium)
- Advise the patients with suspected allergies about the best choice
- Communicate with the dermatologist/allergologist
- Prevent dental material related postoperative sensitivity
- Prevent dental material related pulp damage
- Diagnose oral mucosa reaction (lichenoid reactions) and decide whether they are material related or not

Abstract

A tremendous amount of new materials is marketed every year. The dentist must have the competence to communicate with (e.g. from the internet) informed patients about the individually best choice, and potentially adverse reactions are a rationale for material selection. Allergies are a main cause for adverse reactions and the correct diagnosis in cooperation with the dermatologist/allergologist is essential. Cross allergies e.g. between nickel and palladium or between different acrylates in resin based materials are observed. Certain oral mucosa reactions (lichenoid reactions) may also be material related, especially when occurring localized. Finally the dentist should prevent postoperative sensitivity or pulp damage by applying suitable adhesive techniques and materials close to the pulp, which support pulp healing and dentin regeneration.

Global Oral Health Project
Global Oral Health in the Context of Preventive/Treatment
Interventions and Materials

Peter Cooney (Canada)

Learning objectives

After the presentation participants will be able to:

- Determine how prevention and health promotion can be used to improve oral health status;
- Describe and discuss preventive and treatment interventions used to address various situations;
- Understand the importance of the availability of different treatment options in the context of national policies

Abstract

The inclusion of different treatment options and successful interventions into appropriate public policy is crucial to improve the oral health status of populations and individuals. This session will examine practical examples of how the availability of different dental materials will allow for clinical decisions which can be translated into health improvements. Subject areas such as appropriate availability of different treatment and preventive interventions will be discussed.

The Continuing Challenge of Oral Cancer around the Globe

Newell Johnson (Australia)

Cun-Yu Wang (USA)

Time:	09:00-11:30
Room:	S221
Language:	English
Chairperson:	Lakshman Samaranayake
CERP:	2,5

New Approaches to Prevention and Treatment

Newell Johnson (Australia)

Learning objectives

- To appreciate the serious, continuing high incidence of oral cancer around the world.
- To understand the main causes and approaches to prevention.
- To recognise signs of high-risk, potentially malignant oral disorders.
- To be aware of pathways for referral for appropriate specialist care.

Abstract

Malignant neoplasms arising in the mouth and oropharynx - the practicing domain of dentists, - remain a major public health problem worldwide. In parts of Asia "oral cancer" is the most common cancer in men; most cases are preceded by long-standing oral potentially malignant disorders (OPMD). Tobacco use is the most significant aetiological factor, plus areca/betel nut products, alcohol abuse, poor diet, sexually transmitted human papillomavirus infections and poor dental health. Disease is thus preventable, and dentists must seek to have their clients reduce their risk status. Skills in diagnosis of OPMD and of early oral and pharyngeal cancers are required by all of us, with regular routine screening of all our patients.

Oral Cancer Research: Innovation, Challenge and Translation

Cun-Yu Wang (USA)

Learning objectives

- New progress in oral cancer research
- Translation of basic discoveries into oral cancer therapy

Abstract

Oral cancer is the sixth most common cancer worldwide and one with low survival and high morbidity. The poor prognosis of patients with oral cancer is mainly due to the high invasive potential of oral cancer cells, resulting in early regional lymph node and subsequent distant metastatic spread. In my talk, I will summarize recent basic discoveries on oral cancer stem cells and multiple oncogenic signaling pathways associated with oral cancer development and metastasis. I will highlight several major challenges and potential international collaborations in the field of oral cancer research. I will discuss how to translate our discoveries into oral cancer treatment.

IAP Symposium Diabetes and Dental Practice

Dana Graves (USA)

Christopher A. Newton (USA)

Thomas Van Dyke (USA)

Time:	09:00-11:30
Room:	S421
Language:	English*
Chairperson:	Thomas Van Dyke
CERP:	2,5

* This session will not be interpreted. Presentation language: English

Mechanisms by which Diabetes Aggravates Periodontal Disease

Dana Graves (USA)

Learning objectives

- To understand the effect of bacteria on the host response.
- To understand how the host response leads to periodontal tissue destruction.
- To understand the temporal and spatial aspects of inflammation that lead to periodontitis.
- To understand mechanisms for uncoupling of bone loss and formation and understand how it contributes to periodontal bone loss.

Abstract

Periodontal diseases include gingivitis and periodontitis. The latter is characterized by irreversible loss of connective tissue attachment and bone. Although triggered by bacteria, the ultimate tissue destruction is due to the impact of the inflammatory host response. There are several aspects of this inflammation that are likely to be important. These include the temporal pattern and spatial location of inflammation. Moreover, inflammation interferes with the coupling process so that the loss of bone does not undergo the normal repair process.

Oral and other Complications of Diabetes: a physician's perspective

Christopher A. Newton (USA)

Learning objectives

- To describe the role of hyperglycemia on microvascular and macrovascular complications in diabetes mellitus
- To understand the impact of inflammation on a 'supply and demand' model of glycemic control

- To describe treatment options to avoid unnecessary exposure to hyperglycemia

Abstract

Diabetes mellitus is a chronic and often progressive disease that is associated with challenges in its management as well as increasing risk of complications that negatively impact the life of the patient when glucoses are uncontrolled. The complications of diabetes can themselves further negatively impact the management of diabetes. The importance of inflammation in these processes is increasingly becoming better understood. This presentation will address the clinician's perspective on the management of diabetes and its complications and will provide practical options in the overall management of the diabetes patient with oral disease and other complications.

What Every Practitioner should Know

Thomas Van Dyke (USA)

Learning objectives

- To understand the current concepts of etiology and pathogenesis of periodontal disease and associated systemic inflammation.
- To understand the two-way relationship of periodontal disease and diabetes, and the linkage of these diseases to obesity, hypertension, and dyslipidemia.
- To explore ways that oral and medical care of patients with diabetes can be optimally coordinated.

Abstract

Periodontitis is an inflammatory disease that has a significant impact on the well-being of people with diabetes, particularly Type 2. Diabetes and other non-communicable diseases including cardiovascular disease, present a significant management problem for the dental clinician. This presentation will address these issues from the perspective of the practicing clinician in the management of the diabetic patient; the science behind our understanding of the relationship between oral disease and diabetes. Non-communicable diseases and the dental patient is a clinical area relevant to general dentists and periodontists; the role of dentistry in a holist approach to treatment of people with diabetes.

Friday 31 August

Industry Lunch Symposia 12:15-14:15

GSK Symposium Developments in Dentistry; The Changes, Implications and Future of Daily Oral Care

Yiu Bun-ka

Nicola West

Leonard Litkowsky

Stephen Mason

Time: 12:15-14:15

Room: S421

Language: English

Development of Dentistry over the past 100 years

Yiu Bun-ka (Hong Kong SAR, China)

Implications of Retained dentition

Nicola West (UK)

Novel ingredients in dentistry and daily oral care

Leonard Litkowski (USA)

The future of dentistry and daily oral care

Stephen Mason (UK)

Learning objectives:

- Preventative strategies and implications for the long term retention of oral dentition
- New concepts in the management of Dentin Hypersensitivity, through the use of calcium based technologies

Abstract

The transition from treatment to preventative care is attracting the attention of a number of healthcare disciplines including dentistry. This is raising implications for daily oral care and the long term retention of the dentition of patients.

This symposium will outline the shifts to preventative oral care, how the introduction of daily oral care technologies has meant conditions such as erosion, abrasion and gum recession appear to becoming more prevalent therefore becoming susceptible to conditions such as Acid Wear and Dentin Hypersensitivity. The lecture use the management of dentine hypersensitivity as an example of the introduction of new ingredients such as calcium based technologies that can be applied in the management of the condition, and where such technologies may be used and applied in the future to these emerging areas.

This symposium uses the management of dentine hypersensitivity as an example of the introduction of new ingredients such as calcium based technologies are being used in daily oral care, and where such technologies may be used and applied in the future.

Friday 31 August

Mid-day sessions 13:00-14:00

Meet the Expert Implant Restoration

Baldwin Marchack (USA)

Time: 13:00-14:00
Room: S222
Language: English
CERP: 1

Meet the Expert Oral Cancer

Newell Johnson (Australia)

Time: 13:00-14:00
Room: S223
Language: English
CERP: 1

Friday 31 August

Afternoon sessions 14:30-17:30

Year in review

Jean-Yves G Cochet (France) - Endodontics

John Featherstone (USA) - Cariology

Pierre Baehni (Switzerland) - Periodontics

Niklaus Lang (Hong Kong SAR, China) - Treatment

Time: 14:30-17:30 (Break: 15:30-16:00)
Room: Hall G
Language: English
Chairperson: Elmar Reich
CERP: 2,5

Updates on Bonding

Franklin Tay (USA)

Time:	14:30-15:30
Room:	Hall F
Language:	English
Chairperson:	Cynthia Yiu
CERP:	1,5

Learning objectives

- Understand factors that contribute to the lack of durability of resin-dentin bonds;
- Update on experimental strategies for extending of longevity of dentin bonding; and
- Apply currently known method of extending the durability of resin-dentin bonds to their practice, such as the use of chlorhexidine and quaternary ammonium methacrylates.

Abstract

The advent of dentin bonding has revolutionized restorative dentistry. Dentists are currently using etch-and-rinse and self-etch adhesives to bond tooth-colored restorative materials to tooth substrates. However, current generations of dentin adhesives are not as durable as they were previously thought. In this lecture, participants will be able to understand the roles played by water, matrix metalloproteinases (MMPs) and cysteine cathepsins in the degradation of resin dentin bonds. They will be introduced to the use of inhibitors of MMPs and cathepsins, such as chlorhexidine and quaternary ammonium methacrylates as antimicrobials and in preventing demineralization of the resin-dentin interfaces and in preventing degradation of the hybrid layers.

Glass-Ionomer Cements

Clinical Performance

Martin Tyas (Australia)

Time:	14:30-15:30
Room:	S221
Language:	English
Chairperson:	Jukka Matinlinna
CERP:	1,5

Learning objectives

By the end of the lecture, delegates will have learned:

- the composition and setting reactions of the different types of glass-ionomer cements

- the bonding mechanisms of the different types of glass-ionomer cements
- the results of trials of glass-ionomer cements in various clinical applications

Abstract

Glass-ionomer cements have now been available since the late 1970s, and during this time have undergone various improvements as an understanding of their properties and clinical requirements have been gained. This lecture will describe the composition and setting reactions which are important for a clinical understanding of their use, followed by a review of their performance in various clinical situations.

Characteristics of Dental Implant in the Geriatric Patients

Hong-Chen Liu (China)

Time:	14:30-15:30
Room:	S421
Language:	Mandarin*
Chairperson:	Katherine Leung
CERP:	1,5

* *This session will not be interpreted. Presentation language: Mandarin*

Learning objectives

- The characteristics of dental implant in the geriatric patients
- The relationship between the elderly general condition and the implant practice
- The improvement of implant procedures for the geriatric patients

Abstract

The elderly mostly possess more missing teeth, more complex oral situation and often suffer from a variety of systemic diseases. The geriatric implant has its own characteristics and is more complicated than the implant for the youth. Based on the experience of author on the clinical implant for elderly people, especially for the elderly aged 80 or over, the presentation will introduce the characteristics of the geriatric implant from different points of view, including diagnose and design in geriatric implant, laboratory examinations, CBCT application, improvement in anesthesia, application of the quickly minimally invasive implant surgery for elderly. In particular, the relationship between the elderly general condition and the implant practice will be discussed.

Practice Management/Risk Management Strategies for Success

10 ways to get it right, 10 ways to get it wrong in a changing world

Kevin Lewis (UK)

Raj Rattan (UK)

Time: 16:00-17:30
 Room: Hall F
 Language: English
 Chairperson: William Cheung
 CERP: 1,5

Oral Health Issues for Vulnerable Elderly

Ian Meyers (Australia)

Ralph Katz (USA)

Time: 16:00-17:30
 Room: S221
 Language: English
 Chairperson: Colman Mc Grath
 CERP: 1,5

Conservative restorative management of the aging dentition

Maintaining dentitions in an aging population

Ian Meyers (Australia)

Learning objectives

This presentation will provide information on the overall examination and risk assessment of the geriatric patient, practical interventions for risk reduction and stabilisation of the oral environment, the implementation of a number of different conservative restorative options, and strategies for the maintenance and longevity of heavily restored mouths in aging patients.

Abstract

As life expectancy increases and patients retain their teeth longer there is an increasing demand on dental practitioners to provide on-going oral health management for the dentate geriatric patient. Each individual will have age related physiological and biological changes which impact markedly on the oral environment and restorative outcomes. In the conservative restorative dental management of the aging patient it is essential to undertake a thorough risk assessment to determine which factors are likely to impact on the oral and

general health of the patient. This enables selection and provision of the appropriate restorative management strategies, often of heavily restored and badly broken down dentitions, to ensure aesthetic and functional stability as the patient ages.

***Defining ONiE: Oral Neglect in Institutionalized Elders
A Delphi Technique Survey using a U.S. Expert Panel & beyond***
Ralph Katz (USA)

Learning objectives

The attendees will be able to describe both the research approach (i.e., the Delphi Survey technique) and the findings from that ONiE survey as well as discuss implications for implementation in the U.S. and globally.

Abstract

The Oral Neglect in Institutionalized Elders (ONiE) Project was initiated to develop a 'consensus definition' of oral neglect, via use of the Delphi Techniques Surveys of expert panelists, that would become an operational standard for nursing homes. The ultimate goal was to establish oral health standards that would be both ethical in nature and utilitarian in application not only for the U.S., but a standard that could be adapted and adopted on a global basis.

The Determining Factors for the Long-Term Prognosis of Periodontal Treatment

The long-term prognosis of periodontitis treatment is determined by the patients' compliance, the percentage of the sites with BOP, the residual pocket depth, the existence of furcation lesion
Jin-cai Zhang (China)

Time: 16:00-17:30
Room: S421
Language: Mandarin*
Chairperson: Wai Keung Leung
CERP: 1,5

* This session will not be interpreted. Presentation language: Mandarin

Learning objectives

Majority of the subjects receiving dental implants, prosthodontic and adult orthodontic therapy are periodontitis patients. So, the long-term effects of all these therapy depend upon the well control and maintenance of periodontitis. The objectives of this presentation are to discuss what are the criteria of well control and maintenance of periodontitis and how to meet these criteria.

Abstract

Periodontitis is one of the most popular diseases of human beings affecting oral as well as systemic health. So far, the destruction due to periodontitis is irreversible, but periodontitis can be controlled and maintained. Well controlled and maintained periodontitis is also important for the long-term effects of dental implants, prosthodontic therapy adult orthodontic treatment. Several factors are critical for the long-term prognosis of periodontitis. The patients' compliance, the percentage of the sites with BOP, the residual pocket depth, the existence of furcation lesion are discussed in detail to show how these factors affect the long-term prognosis of periodontitis and what are the compatible levels for these factors.

WHPA

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FDI: active in the fight against noncommunicable diseases (NCDs) through the World Health Professions Alliance WHPA



1 September 2012 - Saturday (Day 4)

Time	S222	S223	Hall G	Hall F	S221	S421
09:00-11:30	Free Communications	Periodontal Diseases: Etiology, Pathogenesis, Diagnosis and Therapy Revisited Pierre Baehni Dana Graves Mark Bartold	Orthodontics for a General Practitioner Derek Mahony	Patient Safety Nermin Yamalik Eve Cuny (9:00-10:00)	Dental Sleep Medicine Susanne Schwarting (10:15-11:30)	Traditional Chinese Medicine Lijian Jin PC Leung
12:00-13:00	Chaired Poster Sessions (poster area-exhibition hall)	Lunch Break				
13:00-14:00	Meet the Expert Franklin Tay Bonding					

Time	S222	S223	Hall G	Hall F	S221	S421
14:30-15:30			The Role of Dentist in the Care of the Medically Complex Dental Patient Michael Glick	Implant: Surgical Aspect Peter Moy	IAPD Symposium The 'fried and true' and 'new and novel' Approaches to Managing Dental Problems in Children and Adolescents Bernadette Drummond	3Rs-Yesterday, Today and Tomorrow of Dental Medicine Yi-Min Zhao
15:30-16:00	Free Communications		Break	Break		Break
16:00-17:30				Implant: Surgical Aspect Peter Moy		Caries Research in China Xue-Dong Zhou Ming-Wen Fan

1 September 2012 - Saturday (Day 4)

Saturday 1 September

Morning sessions 09:00-11:30

Periodontal diseases: Etiology, Pathogenesis, Diagnosis and Therapy Revisited

Pierre Baehni (Switzerland)

Dana Graves (USA)

Mark Bartold (Australia)

Time: 09:00-11:30
Room: Hall G
Language: English
Chairperson: Wai Keung Leung
CERP: 2,5

Etiology and Diagnosis of Periodontal Disease

Pierre Baehni (Switzerland)

Learning objectives

Understand the general features and characteristics of periodontal disease.

Identify factors implicated in the etiology of periodontal disease.

Abstract

Periodontal disease is a multifactorial disease, associated to local as well as general factors. It is well-established that oral biofilms play a major role in the initiation of gingivitis and periodontitis, the most common forms of periodontal disease. However, more recent evidence indicate that periodontal disease is also linked to general factors such as tobacco use, excessive alcohol consumption, stress, and systemic conditions such as diabetes. Diagnosis is a pivotal step in the management of the periodontal patient. It should enable to collect all the relevant information necessary to determine objectives of treatment and to identify factors that can influence treatment decision and outcome. The current model in patient care is based on a global, comprehensive, patient-centered approach.

Pathogenesis of Periodontal Diseases: Molecular and Cellular Features

Dana Graves (USA)

Learning objectives

- To understand how the temporal and spatial aspects of inflammation contribute to formation of osteoclasts.
- To understand the role of inflammatory mediators in osteoclast formation.
- To understand how inflammation negatively affects bone formation and the impact that this has on periodontitis.

Abstract

Periodontitis is characterized by inflammation and bone loss. The host response is critical in protecting the host from invasion by oral bacteria. Paradoxically inflammation triggered by bacteria is responsible for periodontal tissue destruction. The severity, spatial location and duration of inflammation are likely to be important factors in periodontal bone loss. The inflammatory response through the production of pro-inflammatory mediators such as TNF and RANKL induces the formation of osteoclasts that lead to bone resorption. Inflammation also interferes with the coupling process and limits the natural repair of bone that would normally follow bone resorption.

Multifactorial Nature of Periodontitis and Implications for Treatment

Mark Bartold (Australia)

Learning objectives

- Understand etiology and pathogenesis of periodontitis
- Understand importance of inflammation
- Recognize multifactorial nature of periodontitis

Abstract

Over the past 20 years there have been some exceptional advances made in the field of periodontology. One of the major advances has been improvements in our understanding of the etiology and pathogenesis of periodontitis. No longer can this condition be considered a simple bacterial infection. Rather it arises due to a complex interplay between etiological factors, host responses and environmental modifying factors. This presentation will look at some of the major conceptual changes which have occurred in periodontics and how they have led to significant changes in our thinking and approach to periodontal therapy.

Orthodontics for a General Practitioner *Mixed Dentition*

Derek Mahony (Australia)

Time:	09:00-11:30
Room:	Hall F
Language:	English
Chairperson:	Vincent Leung
CERP:	2,5

Learning objectives

The identification, evaluation, control and neutralization of worsening factors in a developing malocclusion.

Review of facial growth patterns and a rational choice of diagnostic and therapeutic orthodontic treatment procedures.

Doctors will be shown how to minimize skeletal, dentoalveolar and muscular problems, by the end of the transition to the permanent dentition.

Abstract

- Aetiology of malocclusions
- Upper arch development techniques and appliances
- Primary and mixed dentitions: what to treat / when to watch
- How to stop thumb sucking habits
- Diagnosis of tongue thrust and a review of current treatment techniques
- Compromised airway and its role in dental crowding
- Early management of dental open bites
- Myofunctional therapy

Patient Safety and Dentistry: What Do we Need to Know?

Nermin Yamalik (Turkey)

Eve Cuny (USA)

Time:	09:00-10:00
Room:	S221
Language:	English
Chairperson:	Richie Yeung
CERP:	1

Learning objectives

To be able to better understand;

- Why patient safety is becoming more important each day
 - Essential elements of patient safety and patient safety culture
 - Peculiarities of patient safety in dentistry and how to start implementing patient safety into daily dental practice
- Participants should be able to:
- Identify areas of risk in delivery of oral health care.
 - Identify common errors in dentistry and methods to avoid errors in practice.

Abstract

As healthcare environment is considered as a high-risk environment, the main objective of patient safety is to avoid/limit preventable adverse events associated with health care and their impact. Patient safety is multifaceted and complex. Patient and the practitioner are naturally involved however there are economical, fiscal, social, cultural and organizational aspects. It is essential for everyone involved in the provision of care to become more familiar with the general context of patient safety and to implement patient safety measures into practice and support the efforts for establishing a patient safety culture, and assessing the current safety culture in general practice is likely to be the first step for this purpose.

Traditional Chinese Medicine

Lijian Jin (Hong Kong SAR, China)

PC Leung (Hong Kong SAR, China)

Time:	09:00-11:30
Room:	S421
Language:	Mandarin*
Chairperson:	Edward Lo
CERP:	2,5

* *This session will not be interpreted. Presentation language: Mandarin*

Chinese Medicine for Periodontal Care - Rationale, Scientific Evidence and Perspective

Lijian Jin (Hong Kong SAR, China)

Learning objectives

- To understand the rationale of Traditional Chinese Medicine as a promising adjunct to periodontal treatment;
- To appreciate the emerging evidence on using TCM as a potential approach to host modulatory therapy for prevention and control of periodontal diseases.

Abstract

Periodontal destruction is largely caused by pathogenic plaque biofilm-induced host immuno-inflammatory responses that are significantly influenced by genetic and environmental/acquired modifiers in susceptible individuals. Host modulatory therapy is therefore increasingly recognized as an important approach in effective management of periodontal diseases. Traditional Chinese Medicine (TCM) as the 'medicine of balance' has its great advantage in host modulation, and it has been used as an adjunct for treating chronic diseases for many years. This lecture highlights the current concept of periodontal etiopathogenesis and elaborates the rationale of TCM as a potential adjunct to periodontal treatment. Recent relevant research findings are presented and discussed.

Chinese Medicine and Dental Health - From Tradition to Modern Application

PC Leung (Hong Kong SAR, China)

Learning objectives

- To learn how the ancient Traditional Chinese Medicine Experts dealt with dental problems.
- To research on the use of Chinese Medicinal herbs for periodontal disease prevention.

Abstract

Oral health was an intimate area for the ancient Chinese healers. Interesting records are available on the treatment of caries, ablative treatments and protection of dental health.

Chinese Medicine relies on the principle of internal balance. Agents used for the maintenance of dental health, either locally in the oral cavity or systemically, also work on the same principle of harmonizing the invading agent with effect defense. Research is being done using topical herbal preparations to control bacterial growth with the intention of producing better local immunological deference within the oral cavity. The research underway is also applying nano-technique to prolong the stay of the herbal extracts within the biofilms.

Dental Sleep Medicine

Oral Appliances for the Treatment of Snoring and Sleep Apnea

Susanne Schwarting (Germany)

Time:	10:15-11:30
Room:	S221
Language:	English
Chairperson:	Richie Yeung
CERP:	1

Learning objectives

- Basics of sleep, pathophysiology of sleep disordered breathing, diagnostic process in the sleep lab.
- Mechanism of action and design of mandibular advancement splints, clinical steps, bite registration.
- Interdisciplinary collaboration with the sleep physicians.

Abstract

Dental sleep medicine is an exciting and rapidly evolving science worldwide and dentists/orthodontists play an increasing role in the multidisciplinary sleep medicine teams.

Sleep apnea is a common disease with life threatening consequences such as heart attack, stroke and motor vehicle accidents due to excessive daytime sleepiness. Dentists can provide mandibular advancement splints and so offer an evidence based treatment option according to international sleep medicine guidelines.

Additionally dentists can screen their normal dental patients for sleep apnea as 95 % of the sufferers go undiagnosed yet.

Saturday 1 September

Mid-day sessions 13:00-14:00

Meet the Expert Bonding

Franklin Tay (USA)

Time: 13:00-14:00
Room: S222
Language: English
CERP: 1

Meet the Expert Pedodontics/ART Techniques

Jo Frencken (The Netherlands)

Time: 13:00-14:00
Room: S223
Language: English
CERP: 1

Saturday 1 September

Afternoon sessions 14:30-17:30

The Role of Dentist in the Care of the Medically Complex Dental Patient

Michael Glick (USA)

Time:	14:30-15:30
Room:	Hall G
Language:	English
Chairperson:	Qian-ming Chen
CERP:	1

Learning objectives

Participants in this course will learn:

- How the obtained health information impacts on routine dental care
- How to interpret information that may indicate underlying medical problems
- How to alter routine dental care according to patient's medical condition
- How to apply protocols that are used to provide safe and appropriate care for the medically complex dental patient
- How to be a contributing member in the overall health of the patient

Abstract

Dentists play an important role as primary healthcare professionals. They need to screen and monitor patients for underlying medical conditions, and are required to render dental care to an array of medically complex patients. Pertinent medical assessment of patients has become an essential part of dentistry, as even the most common medical problems may require modifications to routine dental care. Providing oral healthcare for patients in today's rapidly changing medical environment is a daunting responsibility. This course will simplify this task by reviewing common medical conditions, and explaining and providing clinical protocols for dental care of patients with complex medical conditions.

Implant: Surgical Aspect

Peter K. Moy (USA)

Time:	14:30-17:30 (Break: 15:30-16:00)
Room:	Hall F
Language:	English
Chairperson:	James Chow
CERP:	1

Learning objectives

- Present current surgical principles used in Implant Dentistry
- Provide evidence-base data on clinical outcomes
- Review advanced surgical techniques to improve clinical outcomes in severely resorbed alveolar ridges

Abstract

The surgical techniques used in Implant Dentistry today are very different compared to the techniques used when the concept of Osseointegration was first introduced in the early '80's. The clinician planning to place implants today must understand the fundamental principles of surgical implant dentistry and incorporate these basic principles to the modern prosthetic approaches. Earlier and earlier loading is being used on dental implants and in some cases, immediate loading. The clinician performing the surgical placement must understand when the implant is ready to take prosthetic loading otherwise, the clinician will see higher failure rates due to overloading. The biologic aspects of Osseointegration will be reviewed and how the biology has changed due to improvements in surfaces, implant designs and computer-generated planning/surgical templates.

IAPD Symposium

The 'Tried and True' and 'New and Novel' Approaches to Managing Dental Problems in Children and Adolescents.

Managing Dental Problems in Children and Adolescents

Bernadette Drummond (New Zealand)

Time:	14:30-17:30
Room:	S221
Language:	English
Chairperson:	Eduardo A. Alcaino
CERP:	1

Learning objectives

Attendees will be able to consider and compare a range of traditional and more novel approaches to preventing and restoring dental caries and erosive lesions in children.

Abstract

Dentists are constantly faced with advertising and literature recommending new materials or procedures that are perfect in children's mouths. However, the level of evidence is often not great because studies have been very short term, or have not been carried out on the age group of interest. Often the recommendations are difficult because of the age or cooperation of the children. This presentation will consider traditional approaches to restoring teeth and preventing dental caries and compare them with new and emerging materials and technologies. It will discuss and how these might be introduced and monitored in every day practice.

3Rs-Yesterday, Today and Tomorrow of Dental Medicine

Yi-Min Zhao (China)

Time:	14:30-15:30
Room:	S421
Language:	Mandarin*
Chairperson:	Edmond Pow
CERP:	1

* This session will not be interpreted. Presentation language: Mandarin

Learning objectives

To understand the development of dental medicine.

Abstract

After nearly 300 years of development, dental medicine has gone through the past stage of replacement, which was to use various substitute materials to restore dentition. Today, we are at the stage of reconstruction, which is to restore dentition by using dental implants and autologous tissue transplantation. We are now facing a future stage of regeneration, that is, to use techniques of gene manipulation and tissue engineering to treat oral diseases and restore dentition. 3Rs—replacement, reconstruction and regeneration, show the development of dental medicine. To well understand 3Rs ensures grasp of the future of dental clinical work, teaching and research of dental medicine.

Caries Research in China

Ming-Wen Fan (China)

Xue-Dong Zhou (China)

Time: 16:00-17:30
Room: S421
Language: Mandarin*
Chairperson: Edmond Pow
CERP: 1,5

* This session will not be interpreted. Presentation language: Mandarin

Dental Caries and Immunity

Ming-Wen Fan (China)

Learning objectives

Dental caries is a common disease caused by oral cariogenic bacteria infection. Salivary IgA, the product of the common mucosal immune system, is believed to be a key inhibitor to cariogenic bacteria infection. This presentation shows how a DNA vaccine elicit salivary IgA responses and confers protection against cariogenic bacteria.

Abstract

Dental caries remains one of the most widespread diseases of mankind. Streptococcus mutans (*S. mutans*) and Streptococcus sobrinus (*S. sobrinus*) have been strongly implicated as causative organisms of dental caries. In the past decade, we developed kinds of DNA vaccines against *S. mutans* and *S. sobrinus*, including the lately developed dendritic cell-targeted DNA vaccine pGJA-P/VAX. pGJA-P/VAX immunization could induce significantly increased antibody responses and provide better protection against cariogenic bacteria infection in rodents than non-targeted anti-caries DNA vaccine. Moreover, pGJA-P/VAX could generate protective antibodies in monkey experiment. Recently, a pilotscale experiment on pGJA-P/

VAX was conducted in a Good Manufacturing Practice workshop for the purpose of producing vaccine preparation meeting the standard of clinical trial requirement

Control and Clinical Treatment of Caries

Xue-Dong Zhou (China)

Learning objectives

The data from the third national epidemiological survey on oral health have shown that dental caries is still one of the most prevalent oral diseases in China. The relatively lower dentist-to-patient ratio and increasingly high treatment cost also result in the inadequate population-wide control of this disease. Therefore, caries research is still and will always be the major focus of dental research in China. This presentation will give a glance to the status quo of caries research in China.

Abstract

The current caries research in China not only closely follows those hot topics in western countries, but also has its own merits. The frontier in this field includes four major parts as follows:

- 1) to better understand the microbial ecology of oral microflora with a holistic approach, i.e. to investigate the microbial diversity within the oral cavity with high throughput techniques, including DGGE and 454 pyrosequencing, etc;
- 2) to further elucidate the microbial cariogenic virulence and its regulatory molecular mechanisms at genomic and proteomic level;
- 3) to further investigate the regulatory mechanisms of microbial biofilm formation, and the bacterial interaction, molecular signalling as well as metabolic flux within the dental biofilm;
- 4) to establish a population-wide caries management network, to optimize the risk evaluation and early detection systems, and to advocate the comprehensive treatment approach including immune treatment, antimicrobial nature products treatment, topical fluoride treatment, and microbial replacement therapy, etc.



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New Orleans

American Dental Association
ANNUAL SESSION
OCTOBER 31 - NOVEMBER 3, 2013



Invited Speakers Profiles



Abichandani, Sagar

Page 52

Dr. Sagar Abichandani completed his graduation from Dr.D.Y.Patil Dental College & Hospital, Mumbai and has the distinguished honour of receiving numerous prestigious awards nationally and internationally. Also privileged to lecture at various forums / conferences / meetings nationally and internationally.



Atlas, Alan

Page 38, 45

Dr. Alan M. Atlas received his D.M.D degree from the University of Pennsylvania School of Dental Medicine and serves there as Clinical Associate Professor, Director of Implant Dentistry and Co-Director of Comprehensive Care Clinics. Dr. Atlas is a past recipient of the Penn Dental Medicine Alumni Award of Merit and maintains a private practice dedicated to Esthetic and Comprehensive Restorative Dentistry located in Philadelphia, Pennsylvania.



Baehni, Pierre

Page 69, 78

Pierre Baehni is Professor at the University of Geneva, School of Dental Medicine, Senior Consultant Global Oral Health Programme, WHO. Past-Secretary General, European Federation of Periodontology (EFP). He is a member of the editorial board of several international dental journals. His research interests are in microbiology, periodontology, preventive dental medicine, public health.



Barac-Furtinger, Vesna

Page 42

Dentist specialized in preventive dentistry

Diplomas: School of Dentistry, University Zagreb, Croatia.

Specialization - Zagreb, Croatia. Scientific degree in orofacial genetics - Zagreb, Croatia.

Work status: Private practitioner

Scientific work: About twenty articles in scientific journals (first author). Eleven international conference presentations (first author). Others

Positions: Croatian Dental Society -General Secretary. ERO WG Woman in dentistry - Chairwoman. FDI Section Women dentists worldwide - vice-president



Bartold, Mark

Page 78, 79

Mark Bartold is Professor and Director of the Colgate Australian Clinical Dental Research Centre at the University of Adelaide. He is a member of the editorial board of 8 international dental journals and is the current Editor of the Australian Dental Journal. Professor Bartold has authored over 180 scientific articles in the field of periodontology. In addition to research and teaching commitments he also maintains a private specialist periodontics practice.



Bellmann, Christine

Page 52

Dr. Christine Bellmann graduated from Dental School, Dresden University at 2009. She is working as a general dentist with the focus on esthetic dentistry and implantology in Germany. She is treasurer and executive board member of the BdZA (Young Dentist Germany).



Benzian, Habib

Page 40, 41

Dr Habib Benzian is founding director of The Health Bureau Ltd, a UK-based consulting firm for international health. He is specialist oral surgeon, expert/lecturer in (dental) public health and was first ever Director for Public Health & Development at the FDI Head Office. Dr Benzian was co-author/team leader of the Oral Health Atlas and is a passionate tobacco control advocate.



Bian, Zhuan

Page 31

Professor Bian is the dean and professor of School of Stomatology, Wuhan University, China. He is also the vice-president of Chinese Stomatological Association, Hubei Stomatological Association and Chinese Society of Cariology and Endodontology of CSA. He is the associate editor of "Chinese Journal of Dental Research" and Journal of Oral Science Research. Prof. Bian's research interest includes cariology and endodontics, oral Microbiology and oral hereditary diseases. He has published more than 90 academic articles in national and international scientific journals.



Blatz, Markus

Page 38, 45

Dr. Markus B. Blatz is Professor and Chairman of Preventive and Restorative Sciences at University of Pennsylvania School of Dental Medicine, Philadelphia, USA, where he also founded the UPenn CAD/CAM Ceramic Center. A widely published lecturer, he graduated from Freiburg University, Germany, and was awarded an additional Doctorate Degree, Postgraduate Prosthodontics Certificate, and, most recently, Professorship from the same University.



Cavallé, Edoardo

Page 27

DDS 1985 at the Università Statale di Milano.

- Certificate of Management as Director of Public National Health Service - February 25, 2002 .
- Since March 1986 legal dental expert at the Court of Monza;
- Chair Dental Practice Committee of FDI, since 2010.



Chan, Joseph

Page 49, 51

Dr. Chan is Consultant in-charge of Dental Service in the Department of Health, Hong Kong SAR Government. He is an Honorary Associate Professor in the University of Hong Kong and Registrar of the Dental Council of Hong Kong. He is also Secretary General of the International Association of Paediatric Dentistry.



Cheung, William

Page 41, 62, 72

Dr Cheung received his dental education at the University of Pennsylvania, U.S.A. He maintains a multi-specialty practice in Hong Kong. He lectures internationally and has published in various journals. He is Honorary Professor, West China School of Stomatology, and Honorary Associate Professor, University of Hong Kong and editorial board member of various journals including the Journal of the American Dental Association.



Clark, Palm

Page 42

- Director of Australian Dental Industry Association for 18 years, including President for 5 years
- Board member of International Dental Manufacturers Association for 10 years including President for 2 years
- Australian Delegate to ISO TC 106 Dentistry for 19 years



Cochet, Jean-Yves G

Page 46, 69

Limited Practice in Endodontics in PARIS,
Graduate in Endodontics,
Biological Certificate,
Formerly Assistant Professor: PARIS VII,
Teaching in the post graduate programme PARIS VII,
Visiting Professor Nova, Southeastern University Florida (USA),
Past President of the French Endodontic Society (SFE),
Past Treasurer of Internal Federation of Endodontic Associations (IFEA),
Recommended speaker in Endodontic Surgery by The American Association of Endodontists (AAE).



Cooney, Peter

Page 63, 64

Dr. Peter Cooney completed his Specialty, Masters and Fellowship in Community Dentistry. He is a Past President of the Canadian Association of Public Health Dentistry and a former Chief Examiner for the specialty of Dental Public Health with the Royal College of Dentists of Canada. He was appointed Chief Dental Officer of Canada in October 2004 and Chair of the International Chief Dental Officers Public Health Section in 2006.



Cuny, Eve

Page 80

Eve Cuny, MS is an Associate Professor and Director of Health and Safety at the University of the Pacific Dugoni School of Dentistry. She is past chairperson of the Organization for Safety, Asepsis and Prevention. She has published and lectured internationally on topics of patient safety for more than twenty years.



Dia Tine, Soukèye

Page 42

Chairman of the finance committee in Odontology department of Dakar University.

Head of Odontology department of the general hospital in Grand Yoff.

President of the Senegalese association of women surgeon dentists

Member of the executive committee of the Senegalese National association of surgeon dentists.

Member of the executive committee of the section Women World in Dentistry of the FDI.



Dobberstein, Ingmar

Page 52

Dr Ingmar Dobberstein graduated from Berlin University (Charité) in 2003. He is practising dentistry in a family office while being publisher of 2 dental magazines UN-PLAQUED (German) and ALUMNI Magazine (English). He is member of advisory boards of several dental organizations in Germany as well as the Editor of Young Dentists Worldwide (YDW).



Drummond, Bernadette

Page 86

Bernadette Drummond is a Professor and Specialist in Paediatric Dentistry at the University of Otago in Dunedin New Zealand. She coordinates a clinical doctorate programme for paediatric dentistry, is an active clinician and has research interests in clinical outcomes of restorative care, the management of enamel anomalies and improving the oral health related quality of life in children and adolescents.



Ermer, Michael

Page 52

Michael Ermer studied medicine and dentistry at the University of Cologne. Since 2009 he is resident at the Department of Oral and Maxillofacial Surgery, University Hospital Freiburg (Head: Prof. Dr. Dr. R. Schmelzeisen). His main scope is on three-dimensional reconstruction in trauma patients and drug interactions endangering dental surgery.



Fan, Ming-Wen

Page 77, 87

Ming-Wen Fan is the Honorary Dean and a professor of School of Stomatology, Wuhan University, P. R. China. He is also the Honorary Chair of Chinese Stomatological Association and the editor-in-chief of Journal of Oral Science Research. His research focuses on developing efficacious vaccines against cariogenic bacteria and a plenty of work has been done in the field of anti-caries DNA vaccines.



Featherstone, John

Page 28, 41, 45, 69

Dr. John Featherstone is Dean of the School of Dentistry at the University of California, San Francisco (UCSF) and Professor of Preventive and Restorative Dental Sciences. He holds a Ph.D. in chemistry from the University of Wellington (New Zealand). His research over the past 36 years has covered several aspects of cariology (study of tooth decay) including fluoride mechanisms of action, caries risk assessment, de- and remineralization of the teeth, apatite chemistry, salivary dysfunction, caries prevention, and laser effects on dental hard tissues. He has been received numerous National and International awards, most recently the Norton Ross Award for excellence in clinical research from the American Dental Association (2007). He has published over 220 papers.



Frencken, Jo

Page 83

Associate Professor in Minimal Intervention Dentistry and Head of the Department of Global Oral Health at the Radboud University Nijmegen, the Netherlands. He is a member of the 'Public Health' Committee of the World Dental Association (FDI), is actively involved in oral health collaboration projects with colleagues in Asia, Middle-East, Africa and Latin America, has spearheaded ART and has published extensively.



Ge, Li-Hong

Page 25

The Professor, Clinical Professor and PhD student Supervisor of Department of Pediatric Dentistry, Peking University School and Hospital of Stomatology. The President of the Chinese Society of Pediatric Dentistry, the council member of the International Association of Pediatric Dentistry and Asian Association of Pediatric Dentistry, and Vice President of Asian Association of Dental Traumatology.



Gillis, Martin

Page 24

Martin R. Gillis, DDS, MAEd is Deputy Registrar, Provincial Dental Board of Nova Scotia and assistant professor at the Faculty of Dentistry, Dalhousie University, Halifax, Nova Scotia. He serves the International Diabetes Federation (IDF) as its oral health representative and is the IDF oral health representative to the National Diabetes Education Program's (NDEP) Pharmacy, Podiatry, Optometry, Dentistry stakeholder group.



Glick, Michael

Page 84

Michael Glick, DMD, Professor of Oral Medicine and Dean, School of Dental Medicine, University at Buffalo. Authored more than 200 journal publications, numerous book chapters and has written and co-edited several textbooks, including "Dental Management of Patients with HIV" and "Burket's Oral Medicine: Diagnosis and Treatment" (10th and 11th eds). Immediate past-President of the American Board of Oral Medicine and serves as the Editor of The Journal of the American Dental Association.



Gnoth, Juliane

Page 52

Dr Juliane Gnoth graduated from the university of Leipzig in 2007. She is practicing dentistry and is a master-student of functional analysis at the university of Greifswald. Besides this, she is a member of the advisory-board of the Berlin Dental Chamber and the Communication Officer of Young Dentists Worldwide.



Gonzales, Theresa

Page 42

Colonel Gonzales is a Diplomate of the American Board of Oral and Maxillofacial Pathology and the American Board of Orofacial Pain. She holds Diplomate status as well as with the American Board of Forensic Examiners. She has authored over fifty scientific publications in peer-reviewed journals and was the recipient of the International College of Dentists Award for Excellence.



Graves, Dana

Page 66, 78

Dana Graves, DDS, DMSc. Education: SUNY Binghamton- BA, Columbia University- DDS, Harvard University- Certificate Periodontology and Dr. Med Sci. Positions: Professor Boston University 1993-2008, Chair Dept Periodontics University of Medicine and Dentistry- New Jersey 2008-2010, Associate Dean of Translational Research University of Pennsylvania, 2010-present). Dr. Graves' research interests include the impact of diabetes and inflammation on periodontal disease and wound healing.



Gray, Col Andrew

Page 19

Executive Officer - Annual Meeting Coordination Section of Defence Forces Dental services.

Col Andrew Gray is the Director Defence Dental Services New Zealand. He is the Queens Honorary Dental Surgeon (NZ) and sits on the board and Executive of the New Zealand Dental Association as Executive Officer. Col Gray is Deputy Chair of The New Zealand Electronic Oral Health Records Board and sits on the Ministry of Health National Oral Health Clinical Leaders Board.



Hassfeld, Stefan

Page 28

Stefan Hassfeld, MD DMD PhD.

Dentistry Studies at Würzburg University. Medicine Studies at Heidelberg University

1988-2004: Department of Maxillofacial and Craniofacial Surgery at Heidelberg University Hospital. Qualification Oral Surgery, Maxillofacial and Craniofacial Surgery and Regional Plastic Surgery

Since 2004: Chairman Department of Maxillofacial and Craniofacial Surgery, Dortmund General Hospital

Since 2005: Professor for Maxillofacial Surgery, University of Witten/Herdecke

Focus of Research: Computer-assisted surgery, digital radiology, craniofacial surgery and reconstructive surgery



Hu, De-Yu

Page 26

De-Yu Hu, DDS, MS

Professor and Chairman, Department of Preventive Dentistry, West China College of Stomatology, Sichuan University

President, the Chinese Academy of Preventive Dentistry

President, the Chinese Association of Dental Public Health Research Area(s)

Diagnosis and prevention of caries and periodontal diseases, oral epidemiology, clinical research, evaluation and development of oral health products



Jin, Li-Jian

Page 27, 29, 47, 56, 81

Prof. Li-Jian Jin is the Associate Dean (Research, Innovation & Enterprise), Modern Dental Laboratory Professor in Clinical Dental Science and Professor of Periodontology at the Faculty of Dentistry, The University of Hong Kong. He is the Vice-Chairman of FDI Science Committee; Chair of Periodontal Disease Task Group (GOHIRA) of IADR; President of Asian Pacific Society of Periodontology; and Chairman of Scientific Committee for 2012 FDI AWDC. His research focuses on periodontal etiopathogenesis and periodontal medicine.



Johnson, Newell

Page 40, 64, 69

Newell Johnson, currently Professor of Dental Research, Griffith University, Queensland. He was Foundation Dean 2005-2009 at this, the first new dental school in Australia for 60 years. He has decades of experience in oral oncology, in most continents, with current projects in Africa, India, Sri Lanka, Papua New Guinea and the Pacific. He was appointed Companion of St Michael and St George by HM The Queen in 2011 for his contributions to oral medicine and public health internationally.



Katz, Ralph

Page 72, 73

Dr. Ralph Katz, DMD, MPH, PhD, Professor and Chair of the Department of Epidemiology & Health Promotion (NYU College of Dentistry), developed and implemented the first U.S. geriatric dentistry graduate program (MS in Oral Health Services for Older Adults) at the University of Minnesota in 1981. His current research in geriatrics focuses on defining oral neglect in institutionalized elders.



Lang, Niklaus

Page 22, 69

Professor of Implant Dentistry, University of Hong Kong, 2008-2012, Professor Emeritus, University of Berne, Switzerland, Chairman 1980-2008;

Dr. odont. h.c. of Aristotle University of Thessaloniki, Greece, 2011, University of Gothenburg, Sweden, 1997, University of Buenos Aires, Argentina, 1994 and University of Athens, Greece, 1989. Honorary Fellow RCPS (Glasgow), 1995.

PhD, University of Berne, 1978; Master of Science in Periodontics, University of Michigan, 1975; Dr. med. dent., University of Berne, 1970. Published over 500 articles in peer-reviewed journals and several textbooks. Hirsch-Index: 45. Over 2500 lectures in 5 continents. Editor-in-chief: Clinical Oral Implants Research, Editor: Oral Health and Preventive Dentistry. Assoc. Editor: Journal of Investigative and Clinical Dentistry



Leung, PC

Page 81, 82

Professor LEUNG Ping Chung, OBE, JP, Hon DSSc, DSC, MBBS, MS, FRACS, FRCS(Edin), FHKCOS, FHKAM(Orth); Professor Emeritus of Orthopaedics & Traumatology, and Director of the Institute of Chinese Medicine, The Chinese University of Hong Kong.

Professor Leung's research areas include Orthopaedics, Osteoporosis, and Traditional Chinese Medicine. He is the author of over 800 scientific manuscripts in journals and 27 books.



Lewis, Kevin

Page 72

Kevin Lewis has been the Dental Director of Dental Protection /Medical Protection Society since 1998, having previously been a general dental practitioner.

He has written two textbooks on dental practice management and a regular column in the UK dental press since 1981. He has spoken at previous FDI Congresses.



Ling, Jun-Qi

Page 29, 31

Professor Ling Junqi is the dean of Guanghua School of Stomatology & Affiliated Hospital of Stomatology of Sun Yat-sen University of China; directors board member of International Federation of Dental Educators and Associations, academician of International College of Dentist, executive director of Chinese Association of Stomatology, president-elect of Chinese Society of Endodontics, vice-chairman of Chinese Society of Stomatological Education and president of Guangdong Association of Stomatology. She has published over 200 papers in Chinese and international academic journals, edited or co-edited over 10 books, presided over 15 research projects and won over 10 national awards for research and education achievements.



Liu, Hong-Chen

Page 71

Prof. Liu Hongchen, Ph.D. and D.D.S.

Vice President of Chinese Stomatology Association

President of Chinese Society of Geriatric Dentistry, CSA

Director of Department of Stomatology, PLA general Hospital.



Luchian, Ionut

Page 52

Dr Ionut Luchian received his DMD title from the Gr. T. Popa University of Medicine and Pharmacy, Iasi, Romania in 2009 and awarded with a Diploma of Merit upon graduation. His education was completed with a Master Degree in 2011 and now he is doing his PhD in the same university. Ionut Luchian was Chairman of the 56th IADS and YDW Annual World Dental Congress in 2009 and President of the International Association of Dental Students for the term 2010-2011.



Mackay, Judith

Page 40

Dr Judith Mackay (Hong Kong) is Senior Advisor, World Lung Foundation/Bloomberg Initiative to Reduce Tobacco Use; Director, Asian Consultancy on Tobacco Control; and Senior Policy Advisor to WHO. She has authored 10 atlases including the Oral Health Atlas. She has received many international awards, including WHO Commemorative Medal, TIME 100, and BMJ Lifetime Achievement Award.



Mahony, Derek

Page 80

Derek Mahony is a world renowned Specialist Orthodontist who has spoken to thousands of practitioners about the benefits of interceptive orthodontic treatment. Early in his career Dr Mahony learned from leading clinicians the dramatic effect functional appliance therapy can afford patients in orthodontic treatment. He has been combining the fixed and functional appliance approach ever since. His lectures are based on the positive impact such a combined treatment approach has had on his orthodontic results and the benefits this philosophy provides from a practice management viewpoint.



Marchack, Baldwin

Page 62, 69

1971 graduate of USC School of Dentistry. 1989, MBA from Graduate School of Business at UCLA. Fellow of the American College of Dentists, the International College of Dentists, the Pierre Fauchard Academy, the American Academy of Esthetic Dentistry and the Academy of General Dentistry. Member of the American Prosthodontic Society, the Academy of Prosthodontics, the Pacific Coast Society for Prosthodontics, the Academy of Osseointegration and the International College of Prosthodontists. Past-president of the American Prosthodontic Society, past-president of the Pacific Coast Society for Prosthodontics, past-president of the American Academy of Esthetic Dentistry and past-president of the Osseointegration Study Club of Southern California. Adjunct Professor of Clinical Dentistry and Member of the Board of Councilors at the Ostrow School of Dentistry of USC. Dr Marchack is currently the Chair of the Editorial Council for the Journal of Prosthetic Dentistry.



Mattheos, Nikos

Page 52

Assoc. Prof. Dr. Nikos Mattheos graduated from the Dental Faculty of the University of Athens. He completed his PhD degree in Malmö, Sweden, and had further specialist training in Periodontology and Fixed Prosthodontics in Bern, Switzerland. Since September 2012 he is Associate Professor of Implant Dentistry in the Faculty of Dentistry in the University of Hong Kong.

McGrath, Coleman

Page 42



Meyers, Ian

Page 72

Professor Ian Meyers is currently in private dental practice in Brisbane, Australia and has honorary professorial positions with The University of Queensland School of Dentistry, and James Cook University School of Medicine and Dentistry. Throughout his career Ian has worked in public, private and university dental clinics and focuses on comprehensive patient management in the general dental practice setting.



Moy, Peter K.

Page 85

Dr. Moy is an Oral & Maxillofacial Surgery, focusing on Implant Dentistry and reconstruction of the severely atrophic jaws. He is Professor in the Department of Oral & Maxillofacial Surgery, Director of the Straumann Surgical Dental Center and was recently named "NobelBiocare Endowed Chair, Surgical Implant Dentistry" at UCLA. He is a Fellow of Pierre Fauchard Academy and the Academy of Osseointegration (Past President). He is an associate editor for the International Journal of Oral & Maxillofacial Implants.



Mukandoli, Alphonsine

Page 42

Postgraduate studies in Epidemiology at Bordeaux 2 University in 2008. Bachelor degree of dental surgery at University of Kinshasa faculty of medicine in 1997.

Work experience:

Since 1997: Dental surgeon at University Teaching hospital of Kigali.

Since 2000: Lecturer at Kigali health institute.

Since 2001: Dental consultant in a private clinic after working hours.

From 2003 to 2011: In charge of health in Rwanda women council.

Clinical Trainer of physicians, dental therapists and nurses.



Newton, Christopher A.

Page 66

Christopher A Newton, MD, FACE; Assistant Professor of Medicine, Division of Endocrinology, Metabolism and Lipids, Department of Internal Medicine, Emory University School of Medicine, Atlanta, GA; MD (1997) Mount Sinai School of Medicine; Residency in Internal Medicine (2000) University of North Carolina Chapel Hill; Fellowship in Endocrinology and Metabolism (2003) University of Texas Southwestern; 100+ presentations; 20+ publications.



Phantumvanit, Prathip

Page 49, 50

Dr. Prathip Phantumvanit is a member of the World Dental Development and Health Promotion Committee of FDI as well as serving the World Health Organization Expert Panel on Oral Health. Currently he chairs the Centre for Dental Competency Assessment and Accreditation of the Thai Dental Council.



Rattan, Raj

Page 72

Raj Rattan is a graduate of University College Hospital, London. He is a general dental practitioner and maintains his commitment to clinical dentistry at his practices, combining this with his role of Associate Dean in the London Deanery. Raj Rattan has considerable experience of the NHS and the private sector.



Reynolds, Eric

Page 23

Professor Eric Reynolds is a Melbourne Laureate Professor and Head of the Melbourne Dental School. He is also Associate Dean of the Faculty of Medicine, Dentistry and Health Sciences of The University of Melbourne and Chief Executive Officer of the Oral Health Cooperative Research Centre. He has been researching and teaching for over 30 years on the aetiology and prevention of oral diseases. He has over 200 scientific publications, 20 patents and numerous National and International Awards and in 2011 he received the Distinguished Scientist Award from the International Association for Dental Research.



Samaranayake, Lakshman

Page 29, 30, 41, 64

Professor Lakshman Samaranayake Hon DSc, Hon FDSRCS (Edin), DDS(Glas), FRCPath (UK) is the Dean, and Chair of Oral Microbiology, Tam Wah-Ching Endowed Professor in Dental Science at the University of Hong Kong, as well as the Director of the Prince Philip Dental Hospital, Hong Kong. He received the coveted King James IV Professorship from the Royal College of Surgeons of Edinburgh, UK in 2011.



Sayahpour, Babak

Page 52

Dr Babak Sayahpour graduated 2009 from the Johannes-Gutenberg University of Mainz (Germany) and worked since then as a general dental practitioner in Germany and England. He is currently a member of the Executive Committee of the International Association of Dental Students (IADS) and Local Dental Committee in Dorset (England).



Schmalz, Gottfried

Page 27, 56, 57, 63

Professor and Chairman, Department of Operative Dentistry and Periodontology, University of Regensburg. Editor of the journal 'Clinical Oral Investigations'. Adjunct Professor in Houston, Dallas and Sassari (Sardinia) and Honorary Professor in Cluj, Romania. Honorary Member of German Dental Associations and of the Accademia Italiana di Conservativa. Distinguished Scientist Award and Distinguished Service Award of the IADR. Editor of the book 'Biocompatibility of Dental Materials', Springer, 2009.



Schwarting, Susanne

Page 82

Dr. Schwarting is a dentist in Kiel, Germany, with a practice limited to dental sleep medicine. She is a diplomate of the American Board of Dental Sleep Medicine, founding member and president of the German Society of Dental Sleep Medicine and on the board of the European Academy of Dental Sleep Medicine. She lectures internationally to sleep physicians and dentists on the dental treatment of sleep disordered breathing.



Schwarz, Frank

Page 56

Clinical Professor Department of Oral Surgery, Heinrich Heine University, Düsseldorf, Germany, research focus on localized alveolar ridge augmentation and peri-implant diseases, more than 100 publications in Pubmed, h-index: 26, Associate Editor Journal of Clinical Periodontology, Board Member Clinical Oral Implants Research, awarded with the André Schroeder Research Prize 2007.



Shi, Songtao

Page 32, 45

Dr. Shi is Professor at the University of Southern California Ostrow School of Dentistry. Dr Shi received his D.D.S. degree and certificate in Pediatric Dentistry from the Peking University School of Stomatology and Ph.D. in the University of Southern California. Prior to joining the faculty at the University of Southern California, he served as a Principal Investigator and Clinical Fellow for eight years at the National Institute of Dental and Craniofacial Research.



Schrangl, Hans

Page 27

1978 Medical Doctor, University of Innsbruck

1980 Degree Dental Medizin, University of Vienna

1981/82 Assistant Professor, University of Vienna – Depart. Prof. Dr. Rudolf Slavicek

Since 1982 Private dental office in Linz

2004 Title “Medizinalrat” given by the President of the Republic of Austria

Since 2006 Vice president of the Dental chamber of Upper-Austria

Austrian delegate to the World Dental Parliament



Su, Yucheng

Page 33

Prof. Su, DDS, PhD, is the Chief Expert and Director of Dental Implant Center, Peking Union Medical College Hospital, a member of Chinese Academy of Medical Sciences, a Fellow of International Team for Implantology (ITI) in China, Academic Committee Member of Chinese Academy of Medical Sciences, Special Member of Chinese Association of Oral Implantology and Vice-chairman of Beijing Association of Oral Implantology. He is also Deputy Editor of J. Oral Science Research and editorial members of China Journal of Oral and Maxillofacial Surgery, Yearbook of Chinese Stomatology, J. Oral and Maxillofacial Surgery, Chinese Journal of Geriatric Dentistry, editing 4 journals including J. Oral Implantology, and translated 10 works including ITI Treatment Guide.



Tay, Franklin

Page 70, 83

Dr. Frank Tay is Professor in the College of Dental Medicine, Georgia Health Sciences University, USA. He is Interim Chair and Graduate Program Director in the Department of Endodontics. He is a Diplomate of the American Board of Endodontics, Fellow of the Academy of Dental Materials, and Associate Editors for Journal of Endodontics and Journal of Dentistry.



Thompson, Fanny

Page 49, 51

Dr. Fanny V. Thompson received the degrees of Doctor of Dental Medicine from U.M.D.N.J. - New Jersey Dental School and Master of Science in Public Health: Health Services Management from the London School of Hygiene and Tropical Medicine. She was instrumental in producing Oral Health for the Caribbean - a P.A.H.O. strategic policy planning document and Barbados' Oral Health Policy document. She currently heads the Dental Services - Barbados, serving as the Senior Dental Officer.



Tolmeijer, Alexander

Page 38

Mr Alexander Tolmeijer is a dentist (1989, Amsterdam) and a Master of Law (1993, Amsterdam). He has worked in a group practice in Delft since 1993.

Mr Tolmeijer is vice-chairman and treasurer of the NMT (Dutch Dental Association). He is also chairman of the executive board of FenCS, a factoring and clearing house for 1,500 dentists.



Tonetti, Maurizio

Page 27, 39



Tso, Homer

Page 40, 41

Dr Homer W. K. Tso has been actively involved in tobacco control in Hong Kong. He was the Chair of the Hong Kong Council on Smoking and Health from 2002-2008. In 2006 World No Tobacco Day, he was awarded the Special Award of the Director General of WHO for his leadership in global tobacco control.

Dr Tso is in private General Dental Practice.



Tyas, Martin

Page 70

Martin Tyas is a Professorial Fellow in the Melbourne Dental School, University of Melbourne. His main interest is in adhesive dental restorative materials and their clinical evaluation, and has published over 200 papers. He leads the Australian delegation to the ISO/TC106 (Dentistry), is a Council Member of the Royal Australasian College of Dental Surgeons, and has worked on various scientific committees of the Australian Dental Association since 1984. Professor Tyas is a past Chairman of the FDI Science Committee.



Van Dyke, Thomas

Page 66, 67

Thomas Van Dyke, D.D.S., Ph.D.; Vice President for Clinical and Translational Research, and Chair, Department of Periodontology, Forsyth Institute, Cambridge, MA; D.D.S. (1973), Case Western Reserve University; M.S. (1979), SUNY at Buffalo; Periodontics Certificate (1980), SUNY at Buffalo; Ph.D. (1982), SUNY at Buffalo; Balint Orban Memorial Prize (1981); Diplomate, American Board of Periodontology (1989); IADR Award for Basic Research in Periodontology, 2001; Norton Ross Award, 2002; William J. Gies Periodontology Award; 2008; 250+ original articles.



Wang, Cun-Yu

Page 56, 64, 65

Dr. Cun-Yu Wang is the No-Hee Park-endowed Professor and Chair of the Oral Biology and Medicine Division and the Associate Dean for Graduate Studies at UCLA School of Dentistry. He has broad interests in oral cancer, inflammation, adult stem cells and tissue regeneration. He has made landmark discoveries in these areas, as evidenced by his numerous publications in Science, Cell, Nature Medicine, Nature Cell Biology, and Cancer Cell. He was honored with the prestigious NIH MERIT Award and the IADR Distinguished Scientist Award. He was elected to the Institute of Medicine of National Academies in 2011.



Wong, David T. W.

Page 47, 56, 58

David T.W. Wong DMD, DMSc is Felix & Mildred Yip Endowed Professor and Associate Dean of Research and Director of the Dental Research Institute at UCLA. Dr. Wong is an active scientist in oral cancer and saliva diagnostics research. His research has been funded by NIH since 1986 and has authored over 220 scientific publications. He is a fellow of the American Association for the Advancement of Sciences (AAAS), past member of the ADA Council of Scientific Affairs and the immediate past president of American Association of Dental Research (AADR).



Wong, May

Page 42

Dr. May CM Wong is an Associate Professor in Dental Public Health of the Faculty of Dentistry, the University of Hong Kong. She is the Convenor of Public Health and Healthy Ageing Research Group at the Faculty. Her research interests include life-course epidemiology; quality of life research; biostatistics; clinical trials; and multilevel modeling.



Yamalik, Nermin

Page 80

Nermin Yamalik is a full-time professor in the field of periodontology. She also has a M.S. degree in biochemistry. Her research essentially focuses on pathogenesis of periodontal diseases, periodontal and peri-implant inflammation. She is a member of the FDI Council and has presentations and publications on patient safety.



Yu, Guang-Yan

Page 58

Yu Guang-Yan is a professor of oral and maxillofacial surgery in Peking University School of Stomatology. He is also the Vice President of the Chinese Stomatological Association, Chairman of the Chinese Society of Oral & Maxillofacial Surgery, Selected President of Asian Association of Oral and Maxillofacial Surgeons and Vice Chairman of the Chinese Society for Head and Neck Tumors.



Zhang, Jin-cai

Page 73

Dr. Jincai Zhang is professor of periodontology and president of Guangdong Provincial Stomatological Hospital, South Medical University in Guangzhou, China. He is the vice president of Chinese Stomatological Association, Chairman of Chinese Society of Periodontology. Prof. Zhang obtained his DDS in 1983 from Zhejiang Medical University, PhD in 1989 from West China University of Medical Sciences, and a post-doctoral study from 1989 to 1992 at University of California in San Francisco, USA.



Zhao, Zhi-He

Page 48

Zhihe ZHAO, D.D.S., Ph.D., Adv.Dip.Orth (Hong Kong University). Professor and Associate Dean of West China School of Stomatology Sichuan University, President of Chinese Orthodontic Society, Committee Member of Chinese Stomatological Association, Executive Committee Member of Asian Pacific Orthodontic Society. Gained 6 projects of Natural Science Foundation of China (NSFC), published 125 papers in the professional journals.



Zhao, Yi-Min

Page 48, 86

Prof. Yimin Zhao is dean of School of Stomatology, the Fourth Military Medical University, Xi'an, China. He is professor of prosthodontics, vice president of Chinese Stomatological Association, chairman of Stomatological Society of Chinese People's Liberation Army. He also serves as Chairman of Executive Committee of Section of Defense Forces Dental Service, FDI.



Zhou, Lei

Page 33

Vice Dean of Guangdong Provincial Stomatological Hospital, China;
Vice Dean and professor of Affiliated Stomatological Hospital of Southern Medical University, China;
Ph.D. Research Instructor of the Southern Medical University;
Fellow of International Team for Implantology (ITI) & ITI Education Delegate of Chinese section;
Executive Commissioner of Chinese implantodontic Association;
Honorary president of the Macau Association of Oral Implantology;
Vice chairman of Guangdong Stomatological Educational Association;
Vice chairman of Guangdong implantodontic Association;
Council member of Guangdong Medical Association and Guangdong Stomatological Association.



Zhou, Xue-Dong

Page 29, 87, 88

Professor Zhou is vice president of Sichuan University, dean and professor of west china school of stomatology. She is also the Director of the state key laboratory of oral diseases, the leading laboratory for innovative basic and translational research in dental science. Professor Zhou is recognized as an international leader in dental biofilm research and dental education. Her research has focused on the prevention and molecular mechanism of dental caries, as well as the microecology of oral mouth. She has been the principal investigator on many research grants including the national natural science foundation of china, and the author of numerous articles in scholarly and research publications.

Industry Symposia Speakers Profiles

Colgate's Dentin Hypersensitivity Symposium **Effective Management of Dentin Hypersensitivity**

Page 43, 44



Rethman, Michael

Dr. Rethman is a Honolulu periodontist, certified as a Diplomate by the American Board of Periodontology and serves as adjunct faculty at both the University of Maryland and The Ohio State University. He currently serves as the Vice-president for Scientific Research of the American Dental Association Foundation and served for an unprecedented three years as the Chair of the American Dental Association's Council on Scientific Affairs. Rethman is also a Past-president of the American Academy of Periodontology and a former director of the U.S. Army Institute of Dental Research.



Wei, Stephen

Professor Stephen Wei is a specialist in Paediatric Dentistry. He is Professor Emeritus of the Faculty of Dentistry of the University of Hong Kong 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 (Hon) degree (1962) and a MDS degree (1965) from the University of Adelaide and a M.S. degree from the University of Illinois (1967) and a D.D.S. degree (1991) 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 Examiners of the Dental Council of Hong Kong from its inception until 1998. He has been bestowed Honorary Professorships in Peking University, School of Stomatology, The Shanghai Xia Tong University, The Shanghai Tiedao University; West China University College of Stomatology, as well as Hubei Medical University and Sun Yat-sen University of Medical Sciences. Professor Wei has published extensively, including textbooks titled "Clinical Uses of Fluorides",

"Pediatric Dentistry: Scientific Foundations and Current Practice", "Fluoride, An Update for Dental Practice" and "Pediatric Dentistry: Total Patient Care" Dr. Wei has published many monographs and more than 200 research and clinical papers and 170 abstracts. He has been invited to lecture at numerous professional organizations and international meetings. He is the President of the Hong Kong Society of Paediatric Dentistry since 2006 and is in part time private practice in Central, Hong Kong.



Zhang, Yun Po

Dr. Zhang is currently the Director of Clinical Dental Research at Colgate-Palmolive Company in Piscataway, New Jersey, USA. He has assumed primary responsibility over the clinical program of the emerging markets, in addition to playing several important roles to support oral care business around the world. Dr. Zhang holds three US patents in dental caries prevention, contributed to the publication of four books, and authored over 130 publications in international dental and scientific journals. He has been invited to speak at many international dental meetings and has served as a keynote speaker at some events. He is currently serving on the editorial board for the Journal of Dental Research which is a top-ranked international journal on oral biology. In addition, he is also serving on the fellowship committee of the American Association for Dental Research. Dr. Zhang has received numerous awards throughout his training and career. Most recently, he has received the title of "Honorary Member" of the American Dental Association, awarded the honorary title of "Senior Clinical Investigator" (professor rank) from Forsyth/Harvard University, and obtained the "Outstanding 50 Asian Americans in Business Award" from the Asian American Business Development Center (80 Wall Street, NY, NY). Dr. Zhang graduated from the Northeastern University in Boston, Massachusetts, receiving a PhD degree in Physical Chemistry. His post-doctorate and junior faculty trainings were at Forsyth/Harvard School of Dental Medicine in Oral Biology. He has been awarded a certificate of MBA executive program from the Wharton School of the University of Pennsylvania. He has also received an Honorary Degree in Dentistry by the Dalian Medical University in China. In addition, Dr. Zhang has been appointed as advisor/mentor of Columbia University Business School; senior clinical investigator of Forsyth/Harvard University; advisory professor of three prestigious Chinese universities (Fudan University, Tongji University and Sichuan University), and scholar in the "Globally-Selected Top-Talents Program" of China.

Industry Symposia Speakers Profiles

GSK Symposium

Developments in Dentistry; The Changes, Implications and Future of Daily Oral Care

Page 68



Yiu Bun-ka

Has taught and lectured extensively in Family Dentistry, recently in the Department of Oral Diagnosis and Polyclinics at the University of Hong Kong, and has served as President of the Hong Kong Society of Family Dentistry from 2007 to 2010. This is a professional body with more than 120 ordinary members who are mainly general dental practitioners, organising continuing professional educational activities for all dental professionals, with a mission of elevating the standard and quality of dental service to the public. Follows as Council Member in the Hong Kong Dental Association, from 2011 as Secretary for the Specialty Board of Family Dentistry, and currently the examiner for Membership in General Dentistry, the College of Dental Surgeons of Hong Kong. Publications include papers on Digital Radiography, Composite Resin, Survey on Implant Practice in Hong Kong and Survey on Demand for Postgraduate Education.



Leonard Litkowsky

Was formerly an Associate Professor in Restorative Dentistry at the University of Maryland Dental School for over 22 years. While there he was Co-Director of the Centre for Clinical Studies and received research funding on over 28 grants. He has been awarded over 25 United States and Foreign Patents and was recognized as the Co-Recipient of the Entrepreneur of the Year in 2007 from the University of Maryland. He maintained an active General Practice of Dentistry within the University during this time. He is one of the co-inventors of the Novamin Technology for the reduction of Dentinal Hypersensitivity. He has also led educational roles, such as Director of Clinical Research and Education for Dentsply International, Professional Division based in York, PA. In this position, he managed a Clinical Education team that delivered over 600 educational courses to almost 20,000 dental health care professionals on a yearly basis. Currently Dr. Litkowsky is a Consultant to several Dental Manufacturers and Pharmaceutical Companies for research and design of Clinical Trials.



Stephen Mason

Joined GSK Consumer Healthcare in 2005 as Medical Director for Sensodyne, a PhD chemist (Manchester) working in Oral Health for over 25years, previously at Colgate Palmolive and HillTop Research. An active member of ORCA and IADR, with main interests in mineralised tissue research (cariology, erosion and dentine hypersensitivity), behavioural science and public health. Steve has published many articles on the design, performance and benefits of Oral Healthcare products.



Nicola West

Professor Nicola West is an Honorary Consultant in Periodontology at the Bristol Dental Hospital and School. Nicola is a graduate of the Cardiff University School of Medicine. After attaining her FDS from the Royal College of Surgeons of England, Nicola gained her PhD from the University of Wales (Cardiff) in 1995, on dentine hypersensitivity and tooth surface loss. Currently Nicola leads the Clinical Trials Unit at the Bristol Dental Hospital and School attracting substantial industrial funding over many years, furthering research in the field and publishing widely in peer reviewed journals. Current research interests involve periodontology, bone augmentation and implantology, evaluating oral health care products, tooth wear, dentine hypersensitivity, whitening and stain removal. Nicola lectures regularly in the international forum, is the secretary of the British Society of Periodontology as well as the postgraduate tutor for the British Society of Periodontology in the South West Region and committee member of the BSI British Standards, UK National Standards Body (NSB).

Poster Presentations

Location: Poster area - Exhibition Hall

All posters are on display for the whole duration of the congress.

Presenters have been requested to stand by their posters between 12.00 and 13.00 on the date indicated below to present their poster during Chaired poster sessions.

(Presenters are indicated in bold below)

All abstracts will be published in the online version of the International Dental Journal and accessible at

[http://onlinelibrary.wiley.com/journal/10.1002/\(ISSN\)1875-595X](http://onlinelibrary.wiley.com/journal/10.1002/(ISSN)1875-595X)

Wednesday 29 August

Chairs: Edward Lo. Others to be confirmed.

Theme: General Dentistry and Oral Health

- P181 Comparison of Periodontal Statuses between Diabetic and Normal Subjects
Gita Mahvelati
- P182 MicroRNA-181a Suppresses Tumor Cell Invasion and Migration in Salivary Adenoid Cystic Carcinoma
Qianting He
- P183 Missing Teeth and Denture Demand in Indonesian Elderly
Farisza Gita, Meilisa Arjpin, Muslita Indrasari, Tribudi W Raharjo, Lindawati S Kusdhani, Eef Hogerforst
- P184 Comparison of Articaine and Mepivacaine in Pediatric Dental Patients
Peng Chufang
- P185 The Impact of Orthodontic Treatment on the Quality of Life of Adults
Clement Lau, Colman McGrath, Hägg Urban, Ricky W.K. Wong, Yanqi Yang
- P186 Peptidoglycan of *Actinomyces naeslundii* Enhances Osteoclastogenesis in Alveolar Bone Resorption
Takenori Sato, Toshizo Toyama, Kiyoko Watanabe, Hidefumi Kumada, Nobuyuki Tani-Ishii, Nobushiro Hamada
- P187 Encomium of CO2 Laser in Oral Surgery
Reem Hanna, Gezala Umar, Luca Licheri, Jan C Radeke, Cathy Bryant

- P188 The Core Binding Factor $\alpha 1$ (Cbfa1) as Biomarker of Cartilage Rat Condyle Maturation
I Gusti Aju Wahyu Ardani
- P189 Immunological and Histopathological Changes in Secondary Sjogrens Syndrome Patients
Nazih Shaban Mustafa, Basma Ezzat Alahmad, Muhannad Ali Kashmoola
- P190 Loss of FAM20A Protein Showing Amelogenesis Imperfecta and Gingival Hyperplasia in Mice
Chunying An, Shunji Kumabe, Michiko Nakatsuka, Katsura Ueda, Chizuko Inui-Yamamoto, Dapeng Jiang, Yoshiyuki Mochida, Hak Hotta, Yasumoto Iwai
- P191 The Risk Factors for Temporomandibular Disorders in Postmenopausal Women
Ira Tanti, Laura Susanti Himawan, Lindawati Khusdhany
- P192 The Role of Genetic Predisposition for Periodontal Disease in Type 1 Diabetes Mellitus
Eszter Szalai, Júlia Hallgató, Sándor Mikó, Sara Sahafian, Mária Albrecht, Elek Dinya, Gyula Tamás
- P193 Bio-medical Waste Management Practices in Dental Offices
Naveen Kumar Pera
- P193b Ergonomics Helps You Work Smarter, Not Just Harder!!!!
Jolene S. Sequeira

Theme: Dental treatment and restorative dentistry - Caries

- P071 The Comparison of Vancomycin & Antibacterial Effect of Saliva Hydrangea against Oral Cavity Bacteria
Omid Panahi, Mariedios M. Tancio, Soheil Aminkhah, Seyedrouhallah Mortazavirad
- P072 Microleakage of CAD/CAM Ceramic Crowns Cemented with Self-adhesive Resin Cements
Heima Watanabe, Tetsuya Asai, Ryunosuke Kazama, Tatsuya Osumi, Fumio Kanaya, Hiroko Ishizaki, Masayoshi Fukushima5, Takashi Okiji

- P073 About Restauration Modes of the First Permanent Molar
Farah-Chahrazad Belmabrouk, Sid Ahmed Serradj,
Ali Souabi, Service of odontology - oran Algeria

Theme: Dental treatment and restorative dentistry - Pedodontics

- P103 Clinical Evaluation of the Laser Fluorescence Device for Detection of Approximal Caries in Primary Molars
Wen Li Ma, Caihong Yang, Man Qin
- P104 Prognosis and the Influencing Factors of Young Permanent Teeth Suffered Complicated Crown Fracture Treated with Pulpotomy
Chen Jie
- P105 Polysomnographic Study of Bruxism in Children
Wu Xiaoran
- P106 The Effect of Audiovisuals on Physiological Parameters of Paediatric Dental Patients
Joycelyn Eigbobo, Gabriel Ukegheson, Chukwudi Onyeano
- P107 A Retrospective Analysis of 2069 Dental Cases Involving 3703 Traumatized Permanent Teeth
Chao Wang, Man Qin, Yue Guan

Theme: Dental treatment and restorative dentistry - Periodontics

- P074 A Comparative Study on the Serum Pro-inflammatory Cytokines Levels in Mothers with Periodontitis and their Newborns
Kong Xiangbo, Fang Silian, Ruan Yi, Ye Jiantao
- P075 The Effect of Omega3 Fatty Acid in Treatment of Moderate Gingivitis
Niloofer Jenabian, Ali Akbar Moghadamnia, Soheil Azarakhsh
- P076 A Randomized Controlled Clinical Trial to Evaluate the Adjunct Effectiveness of Diode Laser Gingivectomy in Maintaining Periodontal Health during Orthodontic Treatment
Tony N. F. To, Bakr M Rabie, Ricky W. K. Wong,
Colman P McGrath

- P077 Studies on the effects of Protamine-hydrolysate Peptide on Experimental Periodontitis Analyzed by μ CT
Noboru Kuboyama, Megumi Yokoyama, Hitoshi Tamura, Shigetoshi Okumura, Ujjal K. Bhawal, Yoshimitsu Abiko, Eiji Kawada, Hitoshi Yamamoto
- P078 Relationship between Apical Periodontitis and Marginal Bone Level in Root-filled Teeth
Leif E Jansson
- P079 Effectiveness of Chlorhexidine Gel in Treatment of Chronic Periodontitis
Majid Reza Mokhtari, Amir Hossein Nejat, Reza Mehrara,
Naser Mohammadzadeh Rezaei
- P080 The Modified Coronally Positioned Flap Operation for the Treatment of Multiple Gingival Recession with Root Surface Defects: One-year Follow, Case Report
Mehmet Vehbi Bal, Vahdi Umut Bengi, **Mustafa Dag**, Nuriye I il Saygun
- P081 Effect of Nonsurgical Periodontal Treatment, with Additional Use of Diode Laser (808 nm) in Patients with Periodontitis and Replaced Renal Function
Teodora Nikolaeva Bolyarova-Konova, Mariya Stoyanova Dencheva-Garova, Angelina Ilieva Kisselova-Yaneva
- P082 Evaluation of the Biologically Activity of a Novel Ozonated Solution
Akiko Furuichi
- P083 Cyclic Stretch Affected the Expression of ECM-adhesion Gene in Human PDL Cells
Chun Xu, Jiayin Ma, Wenting Shan, Yi Hao, Jing Li, Qingfeng Huang, Fuqiang Zhang
- P084 Association of Strong Premature Contacts and Tooth Mobility Using T-scan
Julio Cesar Rincon Aguilar

Theme: Implantology

- P155 Accelerated and Enhanced Bone Formation on Novel Simvastatin-loaded Microporous Titanium Oxide Surface
Myat Nyan, Hao Jia, Takayuki Miyahara, Kanako Noritake, Reena Rodriguez, Shohei Kasugai
- P156 Assessment of Peri-implantitis Bone Defects Configuration around Implants with Different Surface Treatments in a Canine Model
Marwa Madi, Osama Zakaria, Shohei Kasugai
- P157 Study on Properties of the Bone Regeneration by Bioresorbable Synthetic Hydroxyapatite-induced after Application of Fluoride Solution - The Micro Area X-ray Diffraction on the Bone Regeneration in a Beagle Dog Study
Kazunari Kimoto, Toshimitsu Okudera, William D. Nordquist, Maurice Valen, Hajime Okudera
- P158 Evaluation of Bone Formation of Combining -TCP and Atelocollagen by 3D Image Construction
Yoshiyuki Arima, Kenichiro Yasui, Fumito Sakamoto, Naoya Uemura, Yoshiya Hashimoto, Shunsuke Baba, Naoyuki Matsumoto
- P159 Evaluation of Bone Regeneration of Poly-L-Lactide Scaffold Coating Thin Calcium Phosphate by 3D Image Construction
Kenichirou Yasui, Yoshiyuki Arima, Shigeki Hontsu, Yoshiya Hashimoto, Shunsuke Baba, Naoyuki Matsumoto
- P160 Utilization of Mutilated Terminal Abutment in Kennedy Class II Implant-supported Overdentures: A Cbct 18 months Follow-up Study
Hisham Samir Elgabry, Hamdy Aboufotouh Hamed, Mushira Mohamed Dahaba, Nadia Lasheen Soliman, Ashraf Emile Eskandar
- P161 Comparison between Complete Denture Wearers and Mini Implant Supported Mandibular Denture Wearers at the 5 Year Follow up Considering OHRQoL, Chewing Function and Bone Support
Asja Celebic, Denis Vojvodic, Sanja Persic, Antonija Palac, Jasminka Stipetic, Nikola Petricevic
- P162 Synthesis and Evaluation of a Novel Strontium Apatite-gelatin Membrane for Guided Bone Regeneration (GBR)
Jia Hao, Kang Chen, Aneesha Acharya, Kanako Noritake, Shinji Kuroda, Shohei Kasugai, Niklaus Lang

- P163 Role of Stereolithographic Templates in Implant Dentistry
Hina Naim
- P164 Implantable Three-dimensional Cell Construct for Bone Tissue Engineering
Takuya Matsumoto
- P165 Experimental Study of the Microvascular Architecture and Bone Formation when Applying a Carboxymethyl-Chitin to Bone Repair in Extracted Sockets
Fumihiko Suwa, Isumi Toda, Tamotsu Kinoshita, Yuji Ehara, Ko Nakanishi
- P166 The Effect of Heat Production during Prosthetic Phase on the Implant-bone Interface
Hossein Dashti, Jalil Ghanbarzadeh Darban, Elham Noori
- P167 Cad Cam in Implant Prosthodontics
Bettanapalya Venkatesh Swapna
- P168 Alkaline Phosphatase (ALP) as an Osseointegration Indicator Compared to Stability Index of Dental Implant Measured by RFA (Resonance Frequency Analyzer)
Ratna Sari Dewi, Laura Susanti Himawan, Sri Angky Soekanto

Theme: Preventive dentistry - Caries

- P002 Infiltrants Mask White Spot Lesions of Enamel Carious Lesions in Vitro
Xiao Yan Ou, Liwei Zeng, Yuhong Zhao, Xiangke Ci
- P003 Effect of Silver Diamine Fluoride and Pit and Fissure Sealants as Preventive Agents of Dental Caries in Permanent First Molars
Paola Juliana Ramirez Colella
- P004 A Randomized Controlled, Crossover Study of Effect of Water Rinsing after APF Gel on Dental Plaque Acidogenicity
Fatemeh Mazhari, Homa Noorollahian, Marjan Sharifi, Mahsa Sharifi
- P005 Factors Related to ECC in Thai Children Aged 1-5 Years in 2006 and 2011
Sunee Wongkongkathep

- P006 Caries Risk Profiles Using the Simplified Cariogram Models among Korean Adolescents and Young Adults
Jung-Hyun Lee, Ho-Hyun Son, Hae-Young Kim, Ji-Hyui Lim, Juhea Chang
- P007 The Effectiveness of Home Visits in Preventing Early Childhood Caries (ECC) - A Longitudinal Study of from Birth to 36 Months of Age
Ryan Shiu, Kim Seow, Trevor Holcombe
- P008 Urban-Rural and Gender Differences in Caries Prevalence and Experience among 6-year-old Children in the Russian North
Maria Gorbatova, Liubov Gorbatova, Mikhail Pastbin, Andrej Grijbovski,
- P009 Which Factors Is More Crucial on Dental Erosion: pH or Titratable Acidity?
Eun Jeong Kim, Kwang Hak Bae, Bo Hyoung Jin, Dai Il Paik
- P010 Comparison of Antimicrobial Effect between Triclosan Toothpaste and Nano-Silver Toothpaste
Yong Chen, Ricky Wong, Chaminda Jayampath Seneviratne, Urban Hagg, Colman McGrath, Lakshman Perera Samaranayake
- P011 Effect of Risk Assessment and Preventive Maintenance Treatment on Dental Caries: Two-year Observations in General Dentistry Patients
Marie Enomoto, Heima Watanabe, Ryunosuke Kazama, Ai Sakuma, Akihisa Mano, Yukio Aso
- P012 A New Method to Prevent Caries by a Low Power Laser-Comparison on Human Permanent Teeth with Deciduous Teeth
Fumio Hirota
- P013 CAMBRA in the Dental Clinic: 3DS is an Effective Tool for Caries Management
Akira Ida, Hiromi Nomura, Hiroaki Takeuchi, Erika Kakuta, Yoshiaki Nomura, **Nobuhiro Hanada**
- P014 Remineralisation Potential and Micropermeability of in Vitro Fissure Sealant Study
Matea Lapas Barisic

- P015 The Difference of Affected Dentin Micro Hardness under Glass Ionomer Cement after Removal of Infected Dentin with Chemomechanical and Excavation Technique (Laboratory Experimental)
Citra Kusumasari, Nila Kesuma Djauharie, Ratna Meidyawati
- P016 Sealant and Topical Fluoride in Fissure Caries Prevention - 3-year Results
Bao Ying Liu, Edward C.M. Lo, Chun Hung Chu, Huan Cai Lin
- P017 Effects of Early Introduction of the Educational Preventive Dental Program for Japanese Children in Shizuoka
Aya Sato, Sachie Warita, Madoka Kimura, Yuma Ogawa, Ayaka Suzuki, Gen Takahashi, Yukio Aso
- P018 Foods for Specified Health Use (FOSHU) System Helps Reinforce Oral and General Health
Nobuhiro Hanada, Susumu Imai, Yoshiaki Nomura

Theme: Preventive dentistry - Public Health

- P001 Implementation of a Noma Surveillance System in Africa
Jocelyne Valerie Gare Ep Kapiho, Aida Kanoute

Thursday 30 August

Chairs: Simon Ho, Tie-jun Li. Others to be confirmed.

Theme: General Dentistry and Oral Health

- P194 Mouthguard Design for Sports-active Person with Spaced Dentition
Ruman Uddin Chowdhury, Hiroshi Churei, Hidekazu Takahashi, Sharika Shahrin, Toshiaki Ueno
- P195 Corrosion Resistance of Dental Cobalt Alloys after Heat Treatments
Cristina M. Bortun, Brandusa Ghiban, Alexandru Ghiban, Corneliu Amariei
- P196 Facial Profile Changes during a Two-phase Orthodontic Treatment of Skeletal Class II in the Chinese Population
Nga Yi Rhonda Cheung, Urban Hagg, Yan Qi Yang, Ricky Wong

- P197 Robotics in Dentistry
*Vineet I.S. Khinda, **Puneet Kaur Dhillon**,
Harpreet Singh Cheema, Neha Mangla, Bhawna Arora*
- P198 Correlation of ID-TMD and RDC/TMD as TMD Diagnostic
Tool
***Laura Susanti Himawan**, Linda Kusdhany, Norma Yustisiana*
- P199 Photogrammetric Frontal Facial Proportions of 12-year-old
Southern Chinese
***Charles Yeung**, Colman McGrath, Ricky Wong, Yanqi Yang,
Urban Hägg, John Lo*
- P200 A Lateral Cephalometric Study of Sella Turcica In Southern
Chinese
***Mohd Zambri Bin Mohamed Makhbul**,
Ricky Wing Kit Wong, Rabie Abou Bakr Mahmoud*
- P201 Digital Models as an Alternative to Plaster Casts in
Assessment of Orthodontic Treatment Outcomes
***Chung Yan Vanessa Leung**, Colman McGrath,
Urban Hagg, Ricky Wing Kit Wong, Yanqi Yang*
- P202 Angular Photogrammetric Analysis of the Soft Tissue Profile
in Southern Chinese
***Cindi Leung**, Colman McGrath, Ricky WK Wong,
Yanqi Yang, Urban Hägg, John Lo*
- P203 The Effect of Growth Differentiation Factor-5 on
Osteogenesis of Human Adipose-derived Stromal Cells
***Zhang Yong**, Liu Hongchen, Peng Qinjian,
Wang Dongsheng, Shi Zhen*
- P204 Wnt2 Participates in PDL Cells' Proliferation under
Mechanical Loading
***Yanqi Yang**, Linkun Zhang, Chengfei Zhang, Xuan Zhan,*
- P205 Bone Regeneration with Tooth Biomaterial for Rabbit
Calvarial Defect
***Eui Seok Lee**, In-Woong Um, Jae Suk Rim*
- P206 Crevicular Fluids Cytogram Analysis in Patients with Chronic
Generalized Parodontitis
Rudolf Yuy Tsun-Shu

Theme: Dental treatment and restorative dentistry - Endodontics

- P085 Clinical Evaluation of the Aged Peoples'root Canal Obturation with Improved Continuous Wave of Condensation Technique
Na Qin, Zhao-Chen Shan
- P086 Pulpal PGE2 Expression to Glass Ionomer Cement (in vivo Study on Macaca Nemestrina)
Ratna Indriutami Setyowahyuni, Endang Suprastivi, Nurlan Sumawinata
- P087 The Role of Endothelial Cells in Macrophage Differentiation in Engineered Dental Pulp Tissues
Tomoatsu Kaneko, Yusuke Yamanaka, Takashi Okiji
- P088 The Quantity of Smear Layer on Apical Third Root Canal Walls after Preparation with NiTi Rotary Instruments ProTaper and Revo-S
Anna Ferlinasari, Kamizar Kamizar
- P089 Fracture Resistance of Teeth with Flared Canals Filled with New Nano-sealer and Gutta-Percha (GP) Plus Composite Resin or Mineral Trioxide Aggregate (MTA) Cement Compared to Epiphany Sealer and Resilon
Salma Abdo
- P090 Effect of High Hydrostatic Pressure on Rat Periodontal Ligament Cells during Cold Preservation
Yoon Lee, Jinyoung Huh
- P091 Intracanal Placement of Calcium Hydroxide: A Comparison of Specially Designed Paste Carrier Technique with Other Techniques
Abhishek Parolia
- P092 The Effect of Coffee Habits to the Colour Changes of "Supranano" and Nanohybrid Composites
Daru Indrawati
- P093 The Effect of Ca(OH)₂ on Sealing Ability of MTA Apical Plug
Zohreh Khalilak, Mehdi Vatanpour, Hamidreza Nourbakhsh
- P094 The Disinfectant Effect of Slightly Acidic Electrolysed Functional Water on Enterococcus faecalis
Masako Nakano, Ayuko Takao, Masanori Ikeno, Toshiko Ozawa, Nobuko Maeda

- P095 Smear layer removal and dentin erosion potential of EDTA and citric acid in endodontics.
Atiquzzaman Khan
- P096 Psidium cattleianum and Calcium Hydroxide Antimicrobial Efficacy against Enterococcus faecalis
Eloi Dezan Jr, Jorgiana Sangalli, João Eduardo Gomes-Filho, Luciano Tavares Angelo Cintra, Elerson Gaetti Jardim-Jr
- P097 Evaluation of Mineral Trioxide Aggregate (MTA) for Root End Closure of Nonvital Permanent Teeth with Open Apices
Mohammad Shamsul Alam
- P098 Assessment of New Root Canal Filling Material Based on Polymer-modified White Portland Cement with CaCl₂
Saud Jasim Dizayee, Raid Fahim Salman
- P099 Comparative Evaluation of Anesthetic Efficiency of 2% Lidocaine for Inferior Alveolar Nerve Block in Patients Having Irreversible Pulpitis with and without Preoperative Low Level Laser Therapy - A Randomized Split Mouth Clinical Trial
Riyaz Farooq, Aamir R Purra, Fayaz A Ahangar, Imraan Khaiser
- P100 Comparison of Antimicrobial Effect of Sodium Hypochlorite 5.25% and Iranian Propolis on Necrotizing Single Canal Tooth Bacteria with Chronic Apical Periodontitis
Maryam Zare Jahromi, Arezoo Tahmoorespoor, Roya Forooghi
- P101 Coronal Leakage of Glass Ionomer & Resin Composite as Barrier Materials in Intra Coronal Bleaching Procedure
Maryam Zare Jahromi, Mehrdad Barekatin, Farshad Molaeinasab
- P102 Removal of Calcium Hydroxide from Simulated Grooves of Retention from Apical Third of the Human Root Canal System: In-vitro Study
Ibrahim Ethem Yaylali, Kadriye Demirkaya, Yasar Meric Tunca

Theme: Dental treatment and restorative dentistry - Prosthetics

P102b Clinical Performance of All-Ceramic Fixed Partial Dentures with Ce-TZP-Al₂O₃ Frameworks

Tomofumi Sawada, Tomoji Sawada, Daishi Kikuta, Tomonari Kumasaka, Akinori Ohno, Atsushi Kuwabara, Katsuhiko Kimoto

Theme: Implantology

P169 Clinical Investigation of Complications during Maintenance after Implant Therapy

Kazuaki Nakatani, Kenzo Morinaga, Takuya Sakai, Kazuko Kamogawa, Akihiko Ito, Masaro Matsuura, Hirofumi Kido

Theme: Implantology - Oral Medicine

P173 Clinical Effect of Low Level Laser Therapy on Healing of Recurrent Aphthous Ulcer and Oral Ulceration in Behcet's Disease

Muhanad A Hamdon Kashmola, Hadeel Salman, Mukaram M. Al-Waez

Theme: Implantology - Oral Pathology

P174 Increased Expression of TLR2 & 4 in Lesional Tissues of Patients with Oral Lichen Planus: Possible Role of Toll-Like Receptors in the Pathogenesis of Oral Lichen Planus

Mahdi Pazouki

P175 Matrix Metalloproteinase 9: A Potential Diagnostic Marker to Differentiate between Oral Verrucous and Squamous Cell Cancer

Mahdi Pazouki, Nooshin Mohtasham

P176 Staining of Cytologic Smears with Methyl Green-pyronin Helps Screen for Oral Cancer in Smokers

Mahdi Pazouki, Jahanshah Salehinejad

P177 The Up-regulation of CyclinE/p21waf1 Protein Ratio and Centrosome Amplification in Oral Squamous Cell Carcinomas

Yang Cai

- P178 Palatal Masses - A Diagnostic Dilemma
Sunil Mutalik, Keerthilatha M Pai, Nidhi Pathak, Nanditha Sujir
- P179 Activation of Cell Death Pathway by Dietary Polyphenol in Oral Cancer Cell
Jung-Yi Hsu
- P180 Effects of Antiapoptotic Grape Seed Procyanidins on Oral Cancer Cells in vitro Chemoprevent
Chi Wen-Hsuan

Theme: Implantology - Oral Surgery

- P170 HIF1- Overexpression Indicates a Poor Prognosis in Carcinoma of the Tongue and Possibly Associated with Tumour Metastasis
Han Wei
- P171 Migration of a Dental Implant Into the Maxillary Sinus
Mustafa Dag, Umit Karacayli, Ramazan Koymen
- P172 Sinus Augmentation with Autogenous Tooth-derived Graft Material in the Miniature Pig Model
Jeong Keun Lee, Du Han Lee, Young Kyun Kim, In Woong Um, Kyung Wook Kim

Theme: Preventive Dentistry - Periodontology

- P019 The Relationship between BMI and Chronic Periodontitis
Niloofar Jenabian, Mina Motalebnejad, Mohammad Reza Javadian, Keyvan Zabiani
- P020 Micromolar level NaF promotes epithelial cell growth and reduces Porphyromonas gingivalis-induced alveolar bone loss
Ujjal K. Bhawal, Dawei He, Nobushiro Hamada, Noboru Kuboyama, Yoshimitsu Abiko, Hirohisa Arakawa
- P021 Association Between Helicobacter Pylori Infection and Hepatocellular Carcinoma
Omid Panahi, Mahdyar Aligoudarzi, Mino Alipoor Sheyvaei, Taslimi Mohamadkarim
- P022 Oral Vascular Functions Are Altered in Periodontitis and/or Stroke Disease Model
Fumiaki Tokutomi, Satoko Wada-Takahashi, Shuta Sugiyama, Shun-Suke Takahashi, Takenori Sato, Toshizo Toyama, Nobushiro Hamada, Masaichi Chang-il Lee

- P023 Multiple Risk Factors of Periodontal Disease: A Study of 5600 Romanian Population
Silvia Martu, *Potarnichie Oana, Pendefunda Valeria, Martu Alexandra, Rudnic Ioana.*
- P024 Clinical Comparison of Azithromycin as an Adjunct to Non-surgical Therapy in Periodontal Diseases
Seyed Banihashemrad, *Mohammad Hasan Najafi Nesheli, Gholam Hasan Rahmani Rad, Nahid Hashemian Bojnord*
- P025 Antibacterial Effect of Herbal Medicines Against Periodontopathic and Cariogenic Bacteria
Orie Takeda, *Takenori Sato, Kenichi Sasaguri, Susumu Akimoto, Nobushiro Hamada*
- P026 Comparative Analysis of Periodontal Health and General Health in the Tobacco Users in Big Cities
Galina Pashkova, *Elena Agilina*
- P027 Russian Diabetic Children Have Better Oral Hygiene, But Higher Prevalence of Parodontopathies Compared to their Non-Diabetic Counterparts
Elena Utkina, *Maria Gorbatova, Liubov Gorbatova, Andrej Grjibovski,*
- P028 A Pilot Study of Self-Reported Oral Hygiene Practice and Oral Health among Nigerians
Patricia Ayanbadejo, *Kehinde Umeizudike, Priscilla Ameh*

Theme: Preventive Dentistry - Public Health

- P044 Dental Caries Prevalence, Oral Health Knowledge, Practice among Indigenous Chepang and Kusundas School Children in Nepal
Lonim Prasai Dixit, *Ajay Shakya, Manash Shrestha*
- P045 Diabetes and Dental Caries Disease
Farah-Chahrazad Belmabrouk, *Zoheir Metref, Ali Souabi, Sid Ahmed Serradj, Service of odontology - oran Algeria*
- P046 National Survey on School-based Fluoride Mouth Rinsing Program in Japan: 2010
Kazunari Kimoto, *Katsuhiko Taura, Chieko Taguchi, Seigo Kobayashi, Seishiro Arai, Hideo Miyazaki, Hirohisa Arakawa, Osamu Sakai*

- P047 A Macroeconomic Review of Dentistry in Canada, 2000-2010
Rafael Figueiredo, Eleanor Weitzner, Carlos Quinonez
- P048 Clinical Consequences of Untreated Dental Caries Using PUFA Index in Suburban Nigerian School Children
Elizabeth O Oziegbe, Temitope A Esan
- P049 Oral Health Promotion by Saliva Tests
Mami Kotoh, Yoshihide Yabuki, Kenji Kobayashi, Hideki Tanimura, Hirokazu Yoshino, Naoyuki Nishitsuji, Yoichi Fukuzawa, Takakazu Nakasone, Erika Kakuta, Yoshiaki Nomura, Nobuhiro Hanada
- P050 Pattern of Early Loss of Primary Molars in Children
Ambreen Amirali Thobani, Faizan Syed, Hasan Mehdi Zaidi, Afroze Hassan Khan

Theme: Live Learn Laugh



Chairs: Denis Bourgeois, Prathip Phamtuvanit, Juan Carlos Llodra Calvo

- P235 Oral Health Promotion on infant through Dental Pass- a pilot project in Dalian, Liaoning Province, China
Wen Sheng Rong
- P236 Through Life Wearing a Smile
Vesna Barac Furtinger
- P237 Caries Prevention in the Whole Family Via Dental Health Passes
Jan Cerný
- P238 Oral health Manual for School; Teachers in Primary Schools
Matti Pöyry
- P239 Educational Campaign on Twice Daily Toothbrushing, focusing on Brushing Technique
Nicola Esposito
- P240 Reaching Out to Children with Oral Health Education and Intervention
Susan Maina
- P241 National Oral Health Awareness and assessment program on targeted communities in Nigeria
Olufemi Orebanjo

- P242 Disseminate the "Brush Twice daily with a Fluoride toothpaste" message among school children and acquisition of healthy behavior via school system
Prasad D Amaratunga
- P243 Attaining Oral Health Promotion Through Schools
Ahmed Rizig
- P244 Oral Health Promotion at Primary school by toothbrushing twice a day with fluoridated toothpaste
Duygu Ilhan
- P245 Improving Oral health care of primary school students through Brushing at least twice a day with fluoride toothpaste in 2 provinces of Vietnam
Le Hong Van

Friday 31 August

Chairs: Katherine Leung, Wai Keung Leung, Tao Xu.

Theme: General Dentistry and Oral Health

- P207 Cleanliness Preparation of the One Third Apical Root Canal between Circumferential Filing Rotary and Circumferential Filing Reciprocal
Anindya Tesa Wisesa
- P208 Nickel & Chromium Levels in the Saliva of Saudi Patients with Fixed Orthodontic Appliances
Nabeel Talic, Hasan Nahawi, Ali Faraj
- P209 Assessment of Oral Health Condition in Patients with CKD (Chronic Kidney Disease) Stage V Undergoing Dialysis Therapy
Atiquzzaman Khan
- P210 Accident Reduction in Dental Practice
Fanny Y F Young, Ricky W K Wong
- P211 Ac-impedance Spectroscopy and Microscopic Evaluation of Human Dentine before and after Etching
Aziza Hussien Eldarrat

- P212 The Palatal Gingiva of the Maxillary First Molar in the Type 2 Spontaneous Diabetes Mellitus Model Rat
Kurito Yasuda, Mamoru Uemura, Fumihiko Suwa
- P213 Cephalometric Soft Tissue Facial Profile Analysis in Patients with Class I, Class II, and Class III Skeletal Pattern Visiting Randle General Hospital, Lagos
Tolulase A Yemitan
- P214 Inflammation at Mucogingival Junction Contributes to the Re-occurrence of Periodontitis, Recurrent Ulcers and Bad Breath
Shen Q Pan
- P215 Oral Health Status and Treatment Needs of Elderly People in Ile-Ife, Nigeria
Temitope A Esan
- P216 Analysis of the Structural and Physicochemical Characteristics of Bone Graft Materials Using Autogenous Teeth
Hyo-Jung Lee, Young-Kyun Kim, In-Woong Um, Gyung-Wook Kim
- P217 Caries Prevalence and Risk in Iranian Children with Autism Spectrum Disorders
Elaheh Zolmajd Haghighi, Mahyar Shahbazi Moghadam, Maryam Hoorizad, Salem Dehom
- P218 Dental Labor Market: The Feminization of Dentistry
Fernando Castro Percebo, Maria Ercilia Araujo, Fernanda Campos Souza Almeida, Celso Zilbovicius, Simone Rennó Junqueira, Cilene Rennó Junqueira
- P219 Labor Market in Brazil: Expectations of Dental School Students on the Chosen Career
Maria Ercilia Araujo, Marcelo Moreira Jesus, Fernanda Campos Souza Almeida, Celso Zilbovicius
- P220 The Brazilian Dental Professional: Profile and Current Trends
Maria Ercilia Araujo, Maria Celeste Morita, Ana Estela Haddad, Celso Zilbovicius

Theme: Dental treatment and restorative dentistry - Materials

- P108 Effect of Water Storage and Thermocycling on Marginal Integrity of Two Self-etch Adhesives
Mahsa Mansouri, Maryam Khoroushi
- P109 The Application of a Zirconia Primer for Improving Bond Strength of Zirconia
Chen Chen, Haifeng Xie, Feiming Zhang, Weihong Liu
- P110 Marginal Seal of Cavities Class I with Temporary Filling Materials (Coltosol F[®], Clip F[®], Zinquenol): An in vitro study
Leiver Quintero
- P111 Characterization of Surfaces of Dental Composite Materials after Wear Simulation at the Micro and Nanoscale
Todor Ts. Uzunov, Ivan E. Chakalov, Borislav P. Soklev, Radomir I. Slavchov, Marco D. Kostadinov
- P112 Microscopic and Spectroscopic Characterization of the Effect Chitosan/Riboflavin Modification on Dentin/Resin Interface
Umer Daood, Lorraine Ivana Nitisusanta, Kulsum Iqbal, Jennifer Neo Chiew Lian, Amr Fawzy
- P113 Effect of Different Tooth Conditioning Agents on CAD/CAM Ceramic Inlays 2 Years Clinical Follow-up
Kazuhiro Takahashi, Ryunosuke Kazama, Heima Watanabe, Hisano Murai, Yukio Aso
- P114 Influence of Gold Sputtering on the Adhesion of Porcelain to Titanium Measured as the Strain Energy Release Rate (G)
Khung Rathanak, Napa Sukjai
- P115 Evaluation of Cytotoxic Effects of Self-Etch Adhesives on Human Odontoblast
Jin-Soo Ahn, Young-Ah Yi, Sung-Hun Kim, In-Bog Lee, Byeong-Hoon Cho, Ho-Hyun Son, Deog-Gyu Seo
- P116 The Effect of Chamaecyparis Formosensis Extract (CFE) Doping in Dental Root Canal Sealing Materials on the Physical Properties
Yi-Ting Wang, Dan-Jae Lin, Tzong-Ming Shieh, Shui-Sang Hsue

- P117 The Cytotoxicity and Antibacterial Activities of the Calcium Phosphate Cement (CPC) with Chamaecyparis Formosensis Extract (CFE)
Chia-Ching Lin, Dan-Jae Lin, Tzong-Ming Shieh, Wen-Cheng Chen
- P118 Surface Treatment Effect on the Initial Force (Preload) and Remove Torque of Abutment Screw
Ya-Jing Huang, Dan-Jae Lin, Henry H.J. Shih
- P119 Effects on Vascular Smooth Muscle Caused by the Dental Curing Unit Lights
Ayaka Yoshida, Fumihiko Yoshino, Masaichi-Chang Il Lee
- P120 Safe Use of Ozone Gas in Enamel Adhesion
Paulo R Melo, Joao Ferreira, Sofia A Oliveira, Teresa Oliveira, Mario J Silva, Patricia T Pires
- P121 Hybrid Layer's Nanoleakage Evaluation of Two Etch-and-rinse and Two Self-Etching Adhesive Systems
Paulo R Melo, Patricia T Pires, Sofia A Oliveira, Alvaro A Azevedo, Teresa Oliveira, Mario J Silva, Joao C Ferreira
- P122 Nano Structure Evaluation of Human Enamel Surfaces Pretreated with Self-etching System
Yoshiya Hashimoto, Yusuke Hashimoto, Naoyuki Matsumoto, Shoji Takeda
- P123 Socket Preservation Using Tooth Biomaterial in Dog
Eui Seok Lee, Jae Suk Rim, In-Woong Um, Dong Hyung Kim
- P124 SEM Analysis and Micro Shear Bond Strength of Composite Bonded to Surface and Deep Coronal Dentin: Acid Etching and Er:YAG Laser
Homayoon Alaghehmand, Reza Fekr Azad, Fatemeh Nejad Nasrolah
- P125 Effect of Flowable Composites Containing Nano Zinc Oxide Particles against Streptococcus Mutans
Homayoon Alaghehmand, Ramezan Rajabnia, Phaezeh Hamzeh
- P126 Shear Bond Strength of Three Self-etching Adhesive Systems at Refrigerated and Room Temperatures over 1 Year Period of Storage
Mehmet Sahin Oguzcan

- P127 To Evaluate the Difference in Bond Strength between Silicone Elastomer for Maxillofacial Prosthesis and an Acrylic Resin
Yuka I Sumita, Lovely M, Mariko Hattori, Naohiko Iwasaki, Hidekazu Takahashi, Hisashi Taniguchi
- P128 Effect of Ascorbic Acid on Bond Strength of Fiber Post to Core
Zahra Khamverdi
- P129 Effect of Resin Cements with Different Curing Mechanism on Microtensile Bond Strength of Ceramic Cemented to Enamel and Dentin
Bilal Yasa, Murat Türkün
- P130 Influence of Thickness on Color Value of Resin Composites
Tadashi Katayama, Yumi Ozawa, Gorou Matsubara, Sachiyo Ishihara
- P131 The Effect of Chromatic Color Backgrounds on Color of Composite Resins
Ozawa Yumi, Katayama Tadashi
- P132 Intrafibrillar Apatite Formation on Phosphorylated Dentine Collagen by CPP-ACP
Ying Cao, QL Li, E C M Lo, C H Chu
- P133 Effect of Herbal Teas on Color Stability of Resin Composites
Arzu Müjdeci, Osman Gokay, Gül Dinç, Onur Uguz, Gözde Pirkoca

Theme: Preventive dentistry - Epidemiology

- P029 Prevalence and Distribution of Dental Caries in 6- and 9-year-Old Children from 5 Regions under the Educational Department in Isfahan City of Iran
Parisa Ziaei Moghadam, Majid Shamsipour
- P030 The Use of the Index of Orthodontic Treatment Need in a School Population of Zahedan
Fariba Shahri
- P031 The Effects of a Flexible Shift Work System to Periodontal Health in Koreans
Dong-Hun Han
- P032 Prevalence and Severity of Developmental Defects of Enamel (DDE) among Hong Kong Children
Hai Ming Wong, Colman P.J. McGrath, Nigel King

- P033 Several Risk Factors of Tooth Loss in Indonesian Postmenopausal Women
Linda Wati Kusdhany, Elza Ibrahim Auerkari, Dwi Anita Suryandari, Tri Budi Rahardjo, Eef Hogervorst
- P034 Risk Factors of Dental Caries in 6-year Old Children: 5 Year Survival Analysis
Kwang-Hak Bae
- P035 Oral Health of the 5-6, 12 and 18 Years Old Bulgarian Children - Bulgarian National Epidemiological Research
Nikolai Sharkov, Maria Kukleva, Milena Peneva
- P036 Oral Cancer Screening in the State of Sao Paulo, Brazil: Changes in Statistics after Reorganization of National Dental Public Health
Fernanda Campos Sousa Almeida, Gilberto Alfredo Pucca -Junior, Dorival Pedroso Silva, Celso Zilbovicius, Antonio Carlos Frias, Maria Ercilia Araujo
- P037 An Oral Health Survey for Newly Admitted Undergraduate Students in Hong Kong
Alex Man Him Chau, Chun Hung Chu
- P038 The Prevalence of Tongue Lesions in Libyan Dental Out Patients - A Teaching Hospital Based Study
Kumbargere Nagraj Sumanth, Irfan Adil Majid, Gajendra Veeraraghavan
- P039 Cluster Sampling Process in Oral Health Surveys of Children 12 Years Old in São Paulo, Brazil, 2010
Antonio Carlos Frias, Maristela V.B. Fratucci, Celso Zilbovicius, Simone Rennó Junqueira, Maria Ercilia Araujo, Maria Da Candelaria Soares
- P040 Oral Cancer Screening in Sao Paulo, Brazil: Epidemiological Trends
Fernanda Campos Souza Almeida, Edgard Michel Crosato, Gilberto Alfredo Pucca Junior, Dorival Pedroso Silva, Celso Zilbovicius, Maria Ercilia Araujo
- P041 Pain of Dental Origin and Untreated Caries in Latin American Immigrant Children Aged 5 Years who were Enrolled in Public Schools in São Paulo, Brazil, 2009
Antonio Carlos Frias, Alvaro H. Mysuguti, Maristela V.B. Fratucci, Simone Rennó Junqueira, Thais P. Sanchez, Gisele L.S. Mantovani, Celso Zilbovicius

P042 Prevalence and Distribution of Pulpitis in Permanent Teeth among 5-17 Years Old Children in a Russian Setting: An Analysis of Medical Records
Elena Utkina, Maria Gorbatova, Liubov Gorbatova, Andrej Grjibovski,

P043 Assessment of Orthodontic Treatment Needs of 12-years Old Children in Northwest Russia
Anna Simakova, Maria Gorbatova, Mikhail Pastbin, Liubov Gorbatova, Andrej Grjibovski

Theme: Preventive dentistry - Public Health

P051 Enigmatic Co-relation of Oral Hygiene, Personality and Food Habits
Aastha Sobti

P052 In Vivo Study on Antibacterial and Anti-plaque Effect of Two Dentifrices
Wanghua Chen, Yi Zhou, Juan Xu, Silvia Shi

P053 "Health of Our Children's Smile" Dental Health Education and Preventive Treatment Program of Public School, Pre-school Children and Disabled Persons in Kadikoy Region, Istanbul, Turkey
M. Yalcin Aydin, Julide Atukeren, Semra Ergeneli, Ugur Kabalay, Burcu Kuru

P054 The Baby Teeth Talk Study: Preventing ECC in Canadian Aboriginal Children Using a Multi-pronged Prenatal Intervention
Herenia Lawrence, The Baby Teeth Talk Study Team and Canadian Aboriginal Research Partners

P054b Training Dentists for Practice in Brazilian National Public Health System through an Online Multiprofessional Course: A Changing Paradigms Process
Celso Zilbovicius, Lais Helena Domingues Ramos, Rita Maria Lino Tarcia, Daniel Gonçalves Almeida, Gisele Grinevicius Garbe, Monica Parente Ramos, Daniel Lico Anjos Afonso, Alberto Cebukin, Conceição Vieira Da Silva Ohara

Saturday 1 September

Chairs: Edward Lo, Edoardo Cavallé. Others to be confirmed.

Theme: General Dentistry and Oral Health

- P221 The Connective Tissue Papillae and the Capillary Loops on the Lingual Dorsum in the Type 2 Spontaneous Diabetes Mellitus Model Rat
Mamoru Uemura, YiRu Fang, Fumihiko Suwa
- P222 The Early Diagnosis of Periodontal Disease with Microdent Test in Diabetic Patients
Júlia Hallgató, Eszter Szalai, Sándor Mikó, Sara Sahafian, Fruzsina Horváth, Gyula Tamás, Elek Dinya, Mária Albrecht
- P223 New Horizon in Orthodontic Management of Premolar Canine Transposition with Miniscrew: A Case Report
Deep Garg
- P224 The Relationships between Symbiotic Oral Microbes and Human Metabolic Phenotypes
Fei Teng, Fang Yang, Junqi Ling, Huang Shi, Xiaowei Zeng, Jian Xu
- P225 A Novel Registration Technique for Dental Images
Weng-Kong Tam, Hsi-Jian Lee
- P226 The Effect of Naringin on Early Spheno-Occipital Growth as Measured by the Width of the Hypertrophic Zone during Endochondral Ossification
Eva L. Nowak-Solinska, Samuel W. Y. Lei, A. Bakr M. Rabie, Ricky W. K. Wong
- P227 LPS Induces PDL Cells' Proliferation with Participation of Wnt2
Linkun Zhang, Yanqi Yang, Chengfei Zhang, Xuan Zhan
- P228 Interdisciplinary Approach of Post-traumatic Facial Asymmetry. A Case Report
Rafael J. Prato
- P230 Development of a Novel Bone Grafting Material Using Autogenous Teeth
Hyo-Jung Lee, Young-Kyun Kim, In-Woong Um, Gyung-Wook Kim

- P231 Genetic Predisposition of Periodontal Diseases in Adolescents with Type 1 Diabetes Mellitus
Sándor Mikó, Sara Sahafian, Elek Dinya, Judit Kurcsics, László Madácsy, Mária Albrecht
- P232 Hypermethylation of SNCG in Oral Cancer is Involved in Tumor Progression
Yi-Shing Shieh, Pei-Wen Huang
- P233 Finite Elements Analysis of Orthopaedic Treatment in Mandibular Prognathism
Camelia Szuhaneck, Anghel Cernescu, Luminita Nica
- P234 Assessment of Salivary Antioxidant Activity Involved in Periodontitis
Fumihiko Yoshino, Ayaka Yoshida, Satoko Wada-Takahashi, Fumiaki Tokutomi, Masaichi-Chang Il Lee

Theme: Dental treatment and restorative dentistry - Esthetics

- P134 Patient Evaluation of the Esthetic Quality of Direct and Indirect Maxillary Anterior Restorations
*Ela Kristek, Maja Zagar, **Dubravka Knezovic Zlatic***
- P135 Cytotoxic Effects of Fluoridated Bleaching Gel on Human Dental Pulp Cells
*Chia-Pei Lu, **Shu-Fen Chuang**, Yuh-Ling Chen*
- P136 Improving of Restoration Methods of Posterior Teeth Hard Tissues Defects
Zinoviy Ozhogan
- P137 Factors Related To Patients' General Satisfaction with Maxillary Anterior Teeth Appearance: A Stepwise Multiple Regression Analysis
Maja Zagar, Ela Kristek, Dubravka Knezovic Zlatic
- P138 Improving of Treating Methods of Teeth Hard Tissues and Dentitions Defects by Veneer Restorations
Zinoviy Ozhogan

Theme: Dental treatment and restorative dentistry - Prosthetics

- P139 Bond Strength between Fiber Post with Different Surface Treatments and Resin-composite Cores
Daraporn Sae-Lee, Pitpern Chanatapaporn
- P140 Improvement of the Quality of Life in Patients with Implant-supported Fixed Partial Dentures
Nikola Petricevic, Renata Poljak Guberina, Sanja Persic, Asja Celebic
- P142 The Treatment Dilemma of the Furcated Molar: Root Resection Versus Single-Tooth Implant Restoration - The Parameters of the Treatment
Christos Konstantinidis
- P143 Clinical and Experimental Grounding of Casting Methods of Metal Alloys Using for Prosthetic Appliances
Zinoviy Ozhogan
- P144 Recent Advances in Gingival Retraction - Quick, Painless, Atraumatic, and Cost Effective
Mahesh Mundathaje
- P145 The Clinical Trial of Lemongrass Oil Denture Cleansing Concentrated Solution Product against *Candida albicans* on Acrylic Denture Base
Surasak Komarn, Watcharee Khunkitti, Suvimol Taweechaisupapong, Daraporn Sae-Lee
- P146 Improving Methods of Orthopedic Treatment of Patients with Small Dentition Defects on Basis of Temporomandibular Joint State
Zinoviy Ozhogan
- P147 Utilizing Applied Kinesiology for Occlusal Rehabilitation
Sabita M Ram
- P148 Comparison of Condylar Guidance Angulations Obtained from Protrusive Records and Orthopantomographic Tracings in Edentulous Patients - An in-vivo Study
Eachempati Prashanti
- P149 The Efficacy of OA (Oral Appliance) as an OSA (Obstructive Sleep Apnea) Treatment
Naoko Kubota, Toru Kubota

- P150 Conventional Prosthetic Rehabilitation of Maxillectomy Patient: Two-steps Impression Technique
Denis Vojvodic, Josip Kranjic, Asja Celebic, Dragutin Komar, Ketij Mehulic
- P151 Oral Appliances Revisited - An Interesting Cost Effective, Alternative Approach in its Fabrication
Sagar Abichandani
- P152 Study Concerning the Dysfunction of the Upper Frontal Area
Gabriela Ifteni, Cristina A Cotea, Oana Tanculescu
- P153 Oligodontia: A Multidisciplinary Approach for Management of the Patient
Siti Mariam Ab Ghani, Graeme Lillywhite
- P154 Effect of Psychological Stress on the Expression of NR1 and GluR2 in the Trigeminal Motor Nucleus (Mo5) in Rats
Lu Yi

Theme: Preventive dentistry - Public Health

- P055 The Impact of Dental Treatment on Employment Outcomes: A Systematic Review
Sonica Singhal, Carlos Quiñonez
- P056 Oral Health Needs Assessment of Homeless People in Lanarkshire
Chuen Albert Yeung, Emma Coles, Anne Moore, Celia Watt, Ruth Freeman
- P057 Iranian Parents' Knowledge and Behavior towards the Effects of Using Iron Supplements on Tooth Staining and Dental Caries
Iman Parisay, Maryam Talebi, Negar Mokhtari
- P058 A Survey of Dental Traumatic Injury among Elite Cricketers in Bangladesh
Sharika Shahrin, Ruman Uddin Chowdhury, Yukako Toyoshima, Toshiyuki Takahashi, Toshiaki Ueno
- P059 Hygiene Education as a Basis for Initial Prophylaxis of Dental Diseases in Mentally Challenged Children
Vasily Alyamovskiy, Natalya Tarasova, Vladislav Galonsky, Anatoly Duzh, Ada Savinova

- P060 Oral Cancer Knowledge, Practice, Opinion and Attitude of Primary Oral Health care Dentists in Kuwait
Huda S.H. Nazar, *Sabiha A. Al-Mutawaa, Yousef S. Al-Duwairi, Jitendra Ariga, Pramod Soparker*
- P061 Osteopetrosis (Marble Bone Disease) and its Oral Health Implications
Baris Karabulut, *Berkay Tolga Suer, Ersin Yildirim, Cemile Deniz Can-Karabulut, Ismail Korhan Gider*
- P063 Dental Student's Motivation toward Career Choice and their Present View to this Career
Maryam Mehrabkhani, *Hossain Nematollahi*
- P064 Turmeric - A Boon to Dentistry
Lubna Khan, *Ourvind Jeet Singh Biring*
- P065 Dutch Recruit's and Student's Oral Health-related Quality of Life
Yvonne Buunk-Werkhoven, *Capt-L Bart H.B. van den Heuvel*
- P066 Relationship between Medical Expenses and Salivary Biomarkers
Erika Kakuta, *Naoki Takahashi, Hisanori Utsunomiya, Humihiko Hino, Yoshinobu Naono, Keizo Koresawa, Masahiro Ide, Keita Shimizu, Yoshiaki Nomura, Nobuhiro Hanada*
- P067 Oral Health Promotion through Schools - Need of the Hour?
Saurabh P. Kakade, *Principals, Teachers and Parents of Primary Schools (Private and Government) from Pune City and Baramati Taluka*
- P068 Food Predilection of the Population of the Asian Far North in Terms of Oral Health
Anatoly Duzh, *Vasily Alyamovskiy, Olga Sokolova*
- P069 Caries Experience of Wa Minority and Han Chinese Children
Shinan Zhang, *Juan Liu, Chu Chun-Hung, Edward CM Lo*
- P070 Oral Health Practices in Kindergartens in Northwest Russia
Mikhail Pastbin, Maria Gorbatova, Irina Pastbina, Liubov Gorbatova, Andrej Grijibovski

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Wednesday 29 August

9.30-11.30 - Room S222

Chair: Esmonde Corbet

Theme: Implantology

9:30-9:45

FC001 Dental Practitioners Attitudes to Implant Dentistry in Hong Kong
Bich Hue Lang-Hua, Colman McGrath, Edward Lo,
Niklaus P. Lang

9:45-10:00

FC002 Determining the Accuracy of CAD/CAM Implant Super structures: An In vitro Spiral Scan Micro-CT Study
Rahul Prasad, Abdulaziz Al Kheraif, Syed Saad Bin Qasim,
Ravikumar Ramakrishnaiah, Muhammad Zakhir

10:00-10:15

FC003 Consensus Statements and Recommended Clinical Procedures Regarding Loading Protocols
Gaurav U Nagarsekar

10:15-10:30

FC004 Evaluation of Three-dimensional Accuracy of Implant Placement without Postoperative CT Scanning
Kenzo Morinaga, Kazuaki Nakatani, Yosuke Shinozaki,
Kimie Yasuno, Masaro Matsuura, Hirofumi Kido

10:30-10:45

FC005 Study of Load Transfer on Dental Implants and Bones
Mohamed M. El-Zawahry, Mohamed I. El-Anwar

10:45-11:00

FC006 Efficacy of Titanium Mesh Technique for Localized Alveolar Ridge Augmentation (Horizontally and Vertically)
Omid Moghaddas

11:00-11:15

- FC007 The Influence of Torque Tightening on Marginal Adaptation of Implant Supported Fixed Partial Denture
Jalil Ghanbarzadeh Darban, Hossein Dashti, Reza Karamad, Azam Jafari

Theme: Preventive dentistry - Periodontology

11:15-11:30

- FC008 Association of Periodontal Clinical Parameters with Systemic Inflammatory Biomarkers of CHD Risk
Syed Akhtar H. Bokhari, Ayyaz A. Khan, Dimitris N. Tatakis, Keung W. Leung

9.30-11.30 - Room S223

Chair: Jukka Matinlinna

Theme: Dental treatment and restorative dentistry - Materials

9:30-9:45

- FC009 Effect of Chlorhexidine Incorporation into Ethanol Wet Bonding on Bonding to Normal and Caries-affected Dentin
Manikandan Ekambaram, Cynthia Kar Yung Yiu, Jukka Pekka Matinlinna, Nigel Martyn King

9:45-10:00

- FC010 Analysis of Cell Growth and Proliferation on a Porcine-based Collagen Membrane in Comparison to a Porcine-based Collagen Matrix - An in vitro Analysis with Human Gingival Fibroblasts, Osteoblasts, and Keratinocytes
Ines Willershausen, Shahram Ghanaati

10:00-10:15

- FC011 Effect Chitosan/Riboflavin Modification on the Mechanical Stability of Dentin Collagen
Amr Fawzy, Lorraine Nitisusanta, Kulsum Iqbal, Umer Daood, Jennifer Neo

10:15-10:30

- FC012 Anti-collagenolytic Activity of Proanthocyanidin
Don Jeevanie Epasinghe, Cynthia Kar Yung Yiu, Micheal Francis Burrow, Nigel Martyn King

10:30-10:45

FC013 Evaluation of Surface Detail and Dimensional Stability of Gypsum Casts after Repeated Immersion in Two Disinfectants

Bettanapalya Venkatesh Swapna

Theme: Dental treatment and restorative dentistry - Endodontics

10:45-11:00

FC014 Effect of Size and Taper on Debridement of Curved Canals

Nahid Mohammadzadeh Akhlaghi, Bahareh Dadresanfar, Soheila Damiani

Theme: Preventive dentistry - Epidemiology

11:00-11:15

FC015 Current trends of root caries in Karnataka, India

Jolene S. Sequeira

Theme: Dental treatment and restorative dentistry - Materials

11:15-11:30

FC016 Effect of Ceramic Additive on Physical and Mechanical Properties of Glass Ionomer Cement - An Innovative Approach

Runki Saran, Nagaraja Upadhyaya, Kishore Ginjupalli, Saurabh Kumar

Thursday 30 August

14.30-17.30 - Room S222

Chair: Andrew Chan

Theme: General Dentistry and Oral Health

14:30-14:45

FC017 Congenital Insensitivity to Pain with Anhidrosis Overlapping with Papillon Lefevre Syndrome

Mostafa I. Mostafa, Maha S. Zaki, Samia A. Temtamy, Mennat I. Mehrez

14:45-15:00

- FC018 Elimination of Permanent Inferior Alveolar Nerve Injuries Following Surgical Intervention of the "High Risk" Third Molar
Gezala Umar, Cathy Bryant, Olamide Obisesan,
Jan Phillip Rood

15:00-15:15

- FC019 The Role of Thermovision Diagnostics in the Dental Treatment of Patients with Forthcoming or Performed Organ Transplantation
Mariya Stoyanova Dencheva-Garova, Raya Georgieva
Grozdanova-Uzunova, Tzvetelina Gueorgieva Gueorgieva,
Angelina Ilieva Kisselova-Yaneva, Dimitar Yovchev

15:15-15:30

- FC020 Comparison of Different Craniofacial Patterns with Pharyngeal Widths
Sarwat Memon, Mubassar Fida

15:30-15:45

- FC021 Low Plasma Levels of pro-IL-37 and Unbalanced pro-/ anti-inflammatory Cytokines are Related to Oral Mucositis in Pediatric Patients Undergoing Chemotherapy
Ying Ye, Göran Carlsson, Monica Barr Agholme,
Jenny Karlsson-Sjöberg, Tülay Yucel-Lindberg,
Katrin Pütsep, Thomas Modéer

15:45-16:00

- FC022 MICAP- An Innovative Tooth Notation and its Perception by Dental Students
Ashfaq Akram, Ulfat Bashir, Noor Hashim, Ayesha Khalid,
Muhammad Shahab

16:00-16:15

- FC023 Serum Levels of Oxidant and Anti Oxidant in RAS Patients and Healthy Individuals
Heidar Khademi, Atefeh Tavangar

16:15-16:30

- FC024 Safe Zone for Orthodontic Mini-implant Insertion at Posterior Mandible
Wei Cheong Ngeow, Oon Take Yeoh, Chung Nam Shim,
Meng Yit Lee, Mang Chek Wey

16:30-16:45

FC025 Von Willebrand Disease: Recognition and Treatment of a Neglected Bleeding Disorder

Rebecca S. Schaffer

16:45-17:00

FC026 Physicians' Knowledge of Links between Medical Conditions and Oral Health in Selected Public Hospitals in Lagos. A Pilot Study

Abiodun Arinola Wright, Victor Inem

17:00-17:15

FC027 Effectivity of Hypnosis on Blood Pressure During Local Anesthesia

Monica Dewi Ranggaini, Revina Yoga

17:15-17:30

FC028 Nonadhesive Culture System as a Model of Rapid Sphere Formation with Cancer Stem Cell Properties

Shin Nieh, Yun-Ching Chang, Su-Feng Chen, Yaoh-Shiang Lin, Chia-Lin Liu

Theme: Dental treatment and restorative dentistry - Materials

11:00-11:15

FC028b An in-vitro Comparison of Marginal Accuracy in Temporary Crowns

Samira Adnan, Fahad Umer, Farhan Raza Khan

14:30-17:30 - Room S223

Chair: Cynthia Yiu

Theme: General Dentistry and Oral Health

14:30-14:45

FC029 Changes in the Oral Health Workforce - More Prevention, Public Health and Leadership

Jack Dillenberg

14:45-15:00

FC030 Proteomic Analysis of Serum in Patients with Osteoradionecrosis of the Jaws

Fang Silian, Chen Wei, Wang Siyang, Kong Xiangbo, Sun Xiang, Ge Yaping, Hu Kunhua

15:00-15:15

FC031 Identification of Differential Proteins that Related to Bone Metabolism in the Serum of ORNJ Patients

Fang Silian, Kong Xiangbo, Chen Wei, Chen Ying, He Fengjun, Ge Yaping, Sun Xiange, Wang Siyang

15:15-15:30

FC032 Cross Speciality Cooperation between Dentistry and Plastic Surgery in the Treatment of Infants with Ceft Lip and Palate

Mosleh Saad Alharbi

15:30-15:45

FC033 Prevalence of Oral Lesions Associated with Chewing Habits in Dakshina Kannada District of Karnataka - A Cross-Sectional Study

Ichha Kumar Maharjan, Ravikiran Ongole, K N Sumanth

15:45-16:00

FC034 Nasotracheal Intubation Using Trachlight in Patients with Difficult Airway

Yingchun Dong

16:00-16:15

FC035 Silencing Id-1 with RNA Interference Inhibits Adenoid Cystic Carcinoma in Mice

Zhenggang Chen, Shaohua Liu, Tomoki Sumida, Shanzhen Sun, Yuan Wei, Meng Liu, Zuoqing Dong, Fan Zhang, Hiroyuki Hamakawa, Fengcai Wei

16:15-16:30

FC036 Mycological Analysis of the Oral Cavity of Polish Patients Using Acrylic Removable Dentures

Bartłomiej W. Loster, Jolanta Loster, Aneta Wieczorek, Wojciech Ryniewicz

16:30-16:45

FC037 Comparison of Tooth and Arch Dimensions in Crowded and Spaced Dental Arches

Saman Faruqi

16:45-17:00

FC038 Cone Beam CT evaluation of bone changes in osteonecrosis of the jaw (ONJ): Radiographic review of 19 cases

Muralidhar Mupparapu, Arthur S Kuperstein, Steven R Singer, Thomas P Sollecito

17:00-17:15

FC039 Development and Validation of Questionnaire Evaluating Dentists' Knowledge, Attitude and Practices in Dental Age Assessment

Ekta Priya, MS Muthu, Jayakumar Jayaraman

17:15-17:30

FC040 New Regression Equations for Predicting the Size of Unerupted Canines and Premolars in Iranian Population

Maryam Talebi, Iman Parisay, Fatemeh Mazhari, Alireza Sarraf

Friday 31 August

9.30-11.30 - Room S222

Chair: Simon Ho

Theme: Preventive dentistry - Periodontology

9:30-9:45

FC041 An Immunohistochemical Evaluation in Smoker and Nonsmoker Patients with Chronic Periodontitis

Mehrdad Radvar, Nooshin Mohtasham, Amir Hossein Nejat

9:45-10:00

FC042 Toothbrush Selection: A Dilemma?

Dhiraj Sasan, Mahalinga Bhat, Betsy Thomas, Shrinivas Aithal K, P.R. Ramesh

10:00-10:15

FC043 Association of Maternal Periodontal and Perinatal Variables in Rural Indian Women

Aneesha Acharya, Vijay L. Deshmukh, Neha Shah

10:15-10:30

FC044 Alveolar Bone Loss in Sites with Proximal Caries in 5-11 year Old Children Referring to Mashhad Dental School

Abbas Makarem, Ebrahimi M, Baghizadeh B

10:30-10:45

FC045 Considerable Aspects of Peri-implant Tissue "Definition, Complication, Management"

Anas Jan

Theme: Implantology - Oral Medicine

10:45-11:00

FC046 Pathological Findings in Oral Leukoplakia Cases Following Biopsy at Initial Appointment

Sunil Mutalik, Keerthilatha M Pai, Vimi S Mutalik

11:15-11:30

FC047 Dental Implant Treatment in Patients Treated with Systemic Ivdelivery of Zoledronate (Bisphosphonates) for the Treatment of Osteoporosis

Nikos Mattheos, Patrick Caldwell, Peter Reher

Theme: Preventive dentistry - Public Health

11:30-11:45

FC048 The Earth Institute's Oral Health and Hygiene Project in Rural Ethiopia and Senegal

Safaa Suliman Ahmed, Charlene E Goh

9.30-11.30 - Room S223

Chair: Colman McGrath

Theme: Preventive dentistry - Public Health

9:30-9:45

FC049 The Prevalence of Oral Self-care and Regular Dental Visits among Diabetic Patients

Aziza Eldarrat

9:45-10:00

FC050 A Systematic Review of Instruments Used to Measure an Individual's Oral Health Literacy

Parthasarathy Srinivasan Divya, Hai Ming Wong, Susan Margaret Bridges, Cynthia Kar Ying Yiu, Colman McGrath, Terry K F Au

10:00-10:15

FC051 Effectiveness of an Oral Health Education Program and its Comparison with an Oral Prophylaxis Program in Visually Impaired Students in the City of Bangalore

Priya Nakre Devadas

10:15-10:30

- FC052 The Effect of Persica (Herbal Oral Rinse) on Halitosis in Patient Visiting Shiraz Dental School-Spring 2011
Sara Purshahidi, Masumeh Darvishi, Hooman Ebrahimi, Akram Nikpour, Zahra Jalali

10:30-10:45

- FC053 Improving Oral Health Care among Residents at an Aged-care Facility through Oral Health Education, Risk Assessment, Prevention and Management Plan
Annetta K Tsang, Kitty Chow, Wayne J Mills, Bruce Curtis

10:45-11:00

- FC054 Evaluation of Oral Health in Social Cases
Ovidiu I. Stamatini, Norina Consuela Fornu

11:00-11:15

- FC055 Assessment of Safety Profile for Dental Procedures in India
Ritu Duggal

11:15-11:30

- FC056 Implementation of a Salt Fluoridation Program in the Lao PDR
A Homsavath, K Phommavongsa, F Courtel, G Empis, M Martuchou, P Phantumvanit, B Decroix

14.30-17.45 - Room S222

Chair: To be confirmed

Theme: Preventive dentistry - Caries

14:30-14:45

- FC057 Soluble Salivary CD14 - A Novel Diagnostic Tool for Caries Risk Assessment?
Saurabh Kumar, Shobha Tandon, Rashmi Nayak, Mamatha Ballal, Runki Saran

14:45-15:00

- FC058 Early Childhood Caries and Untreated Caries Lesions among 2-3 Year Old Children in Northwest Russia
Mikhail Pastbin, Maria Gorbatova, Irina Pastbina, Liubov Gorbatova, Andrej Grijbovski

15:00-15:15

FC059 Metagenomic Analyses of Saliva Microbiotas from Caries-active Patients and Healthy Controls

Fang Yang, Kang Ning, Xiaowei Zeng, Guangyun Zhang, Xiao Yuan, Yue Zhang, Zhenggang Chen, Dawei Guo, Qian Zhou, Jian XU, Department of Stomatology, Qingdao Municipal Hospital

Theme: Preventive dentistry - Epidemiology

15:15-15:30

FC060 Body Adiposity Status in Relation to Oral Hygiene Status among Preschool Children in Hong Kong

Si Min Peng, Colman McGrath, Hai Ming Wong, Nigel Martyn King

Theme: General Dentistry and Oral Health

15:30-15:45

FC061 Association of Obesity and Periodontal Disease

Dhirendra Kumar Giri

Theme: Preventive dentistry - Epidemiology

15:45-16:00

FC062 Prevalence of the Oral Streptococcus mutans (S.m) in People with and without Halitosis

Sara Purshahidi, Jenan Ghapanchi, Hooman Ebrahimi, Abdollah Bazargani, Zahra Jalali, **Akram Nikpour**

16:00-16:15

FC063 Oral Health Related Quality of Life in Adult Population Attending the Outpatient Department of a Hospital in Chennai, India

Zohara Charania

16:15-16:30

FC064 Structure of Maxillofacial Soft Tissue Injuries in 0-18 Years Old Children in a Russian City

Valeria Bragina, Maria Gorbatova, Liubov Gorbatova, Andrej Grjibovski

Theme: Implantology - Oral Surgery

16:30-16:45

- FC065 Maxillary Sinus Floor Augmentation with Bioactive Glass:
Assessment of Bone Quality - Preliminary Results
Julie Hémar, Laurent Venet, Thierry Sauvigné, Georges Boivin

16:45-17:00

- FC066 Guided Bone Regeneration Using a Polyethylene Glycol
Hydrogel Membrane
Laurent Ohayon

Theme: Implantology - Oral Pathology

17:00-17:15

- FC067 Differential Expression of Transcription Repressors at the
Tumour Advancing front of Ameloblastoma
Chong Huat Siar

17:15-17:30

- FC068 HPV 16/18 Infection in Oral Squamous Cell Carcinoma and
Its Clinicopathological Significance
Xiaofeng Huang

Theme: Preventive dentistry - Caries

17:30-17:45

- FC069 Biosynthesis of AI-2 of Streptococcus mutans UA159 and
Observation of the Effect of NaF on AI-2 Induced
Luminescence of Vibrio harveyi
Qingyu Guo, Zhixiang Li, Ying Huang

14:30-17:45 – Room S223

Chair: To be confirmed

Theme: Dental treatment and restorative dentistry - Endodontics

14:30-14:45

- FC070 Factors Influencing Patient Referral to Endodontic Specialist
Nisrine El Arrouf, Souad Nechad

14:45-15:00

FC071 Comparison of Efficacy of Calcium Hydroxide Mixed with 0.2% Chlorhexidene Digluconate and Calcium Hydroxide Mixed with Normal Saline as Intracanal Medicament in the Treatment of Apical Periodontitis

Ifeoma N. Menakaya, Cyril I. Adegbulugbe, Olabisi H. Oderinu, Olufemi P. Shaba

15:00-15:15

FC072 Evaluation of Antibacterial Concentration of Sodium Hypochlorite Solutions

Yan Shi, **Jian Yang**

15:15-15:30

FC073 An Ex vivo Evaluation of Bacterial Biofilm Removal Using Static and Passive Ultrasonic Irrigation Methods

Joseph Joy

15:30-15:45

FC074 Effects of Enamel Matrix Derivative on Odontogenic Differentiation of Human Dental Pulp Cells

Huiru Zou, Jianguo Wang, Lancheng Zhang, Zongchang Qin, Min Yang, Xuebin Yang, Steven J Brookes

15:45-16:00

FC075 Regeneration of Dental Pulp in Mature Teeth by Transplantation of Dental Pulp Stem Cells and Platelet-rich Plasma

Xiaofei Zhu, Chengfei Zhang

16:00-16:15

FC076 Evaluation of Pain Relieving Ability of Various Medicaments in Symptomatic Pulpitis: An In vivo Study

Navin Agrawal, Mala Kundabala

16:15-16:30

FC077 Radiographic Quality of Endodontic Treatment Performed by Final Undergraduates at the Faculty of Dental Sciences (FDS), University of Peradeniya, Sri Lanka

Manil Christopher Nishan Fonseka, Ruwan D Jayasinghe, Pushpika M Abeysekara, Kamal A Wettasinghe

16:30-16:45

FC078 Apical Regeneration and Revascularization

Ashwin Rajendra Kolhe

16:45-17:00

- FC079 The Difference between the Post Retention of the Glass Fiber Reinforced Composite with the Different Length and Kind of Resin Cement
Diani Prisinda, Mulyati Usman, Gatot Sutrisno

17:00-17:15

- FC080 Dens Invaginatus with Periapical Lesion: An Endodontic Challenge. Case Report
Dian Agustin Wahjuningrum, IKORGI

17:15-17:30

- FC081 Treatment of an Endo-perio Lesion with Grade-III mobility with the Help of Endodontic Approach Alone
Ourvind Jeet Singh Biring, Lubna Khan

Theme: Dental treatment and restorative dentistry - Materials

17:30-17:45

- FC082 Metal-titanate Complexes as Novel Antibacterial Compounds
Trinuch Eiampongpaiboon, Daniel Chan, Whasun Chung, Kwok-Hung Chung

Saturday 1 September

9:30-11:30 - Room S222

Chair: Frank Law

Theme: Preventive dentistry - Public Health

9:30-9:45

- FC083 Prioritizing Oral Health Care
Anne Karishma Khanna, Nausheen Saied Khan

9:45-10:00

- FC084 Efficacy of Ionic, Electric and Manual Toothbrushes in Plaque Removal
Mohammed Abo El Yazeed, Amr Abd El Latif, Norhan El Dokky, Maryam El Mansy

10:00-10:15

- FC085 A Study to Assess the Efficacy and Safety of Tetrahydrocurcuminoids in Treatment of Oral Leukoplakia: Open Prospective Clinical Trial
Yogesh Chhapparwal, Keerthilatha Pai

10:15-10:30

- FC086 Demographic and Socioeconomic Predictors of Perceived Need and Utilisation of Dental Care in a Field Practice Area of India
Srinivas Pachava, Sudhkar Vundavalli, Suresh Sanikommu

10:30-10:45

- FC087 Effect of Vitamin and Mineral Supplementation on Dental Students under High Stress Conditions
Brita Willershausen, Phillip Mohaupt, Ines Willershausen, Armin Ross, Angelika Callaway

10:45-11:00

- FC088 The Relationship between Tooth Eruption and Puberty in 12-Year-old Girl Students, in Mashhad, Iran
Behjatalmolokd Ajami, Nayereh Khadem

11:00-11:15

- FC089 Gender Differences in Oral Hygiene Behavior and Expected Social Outcomes
Yvonne A.B. Buunk-Werkhoven

11:15-11:30

- FC090 Dental Considerations in Head and Neck Radiation and Chemotherapy Cancer Patients
Zafrulla Khan

9:30-11:30 - Room S223

Chair: Cynthia Yiu

Theme: Dental treatment and restorative dentistry - Caries

9:30-9:45

- FC091 Bacteriology of Deep Carious Lesions Below Amalgam Restoration with Different Pulp Protecting Materials - An in vivo Analysis
Vijainthi Malar Sukumaniam

9:45-10:00

- FC092 Does Fluoride Uptake from Resin Cements Prevent Demineralization Adjacent to Enamel Surface?
Elif Yasa, Aysegul Kaya

10:00-10:15

- FC093 Bonding of Resin-modified Glass Ionomer-based Adhesive to Dentine
Hamdi Hosni Hamama, Cynthia Kar Yung Yiu, Michael Francis Burrow

10:15-10:30

- FC094 In Vivo Stability and Antimicrobial Effect of a Copperion Cement: A Comparative Study
Jean-Pierre Eudier

Theme: Dental treatment and restorative dentistry - Pedodontics

10:30-10:45

- FC095 Comparison of Two Radiographic Methods for Localization of Bilateral Supernumerary Teeth
Sreekanth K Mallineni, Robert P Anthonappa, Cynthia KY Yiu, Nigel M King

10:45-11:00

- FC096 Craniofacial and Dental Arch Characteristics of Children with Severe Dental Attrition
Sharon Isidro, Yoshiaki Ono, Tomoko Kawamura

11:00-11:15

- FC097 Ectopic Eruption of the Maxillary First Permanent Molar: Characteristics of the Malocclusion Features
Yu Wang, He Liu

11:15-11:30

- FC098 Clinical Observation of Regenerative Endodontic Treatment in Two Immature Permanent Teeth with Root Just Starting Development
Xu Chen, Zhi-Fan Bao, Dan-Dan Zhang, Yan Guo

14:30-17:30 - Room S222

Chair: To be confirmed

Theme: Dental treatment and restorative dentistry - Pedodontics

14:30-14:45

FC099 Effect of Chlorhexidine on Bond Strength of Two Bonding Systems in Primary Teeth Dentin

Sara Maleki Kambakhsh, Alireza Sarraf Shirazi, Hamideh Ameri

14:45-15:00

FC100 Patterns of Root Resorption of Primary Mandibular Molars, and the Location of the Premolar Successors: A Radiographic Evaluation

Benjamin Peretz, Sagit Nisan, Lior Herteanu, Sigalit Blumer

Theme: Dental treatment and restorative dentistry - Prosthetics

15:00-15:15

FC101 Comparison of Longevity of Implant-supported Crown and Tooth-supported 2-unit Cantilevered Resin Bonded Bridge in a Bounded Single Tooth Space after an Observation Period of at Least 5 Years

Walter Lam, Michael Botelho, Colman McGrath

15:15-15:30

FC102 The Effect of Long-term Water Storage on the Resin Adhesive Interface between Dentine and Glass Ceramic

Meng Xiangfeng

15:30-15:45

FC103 An Innovative Technique to Fabricate Palatal Lift Prosthesis for a Patient with Cleft Lip & Palate Associated with Mutilated Dentition - A Case Report with 3 Years of Follow up

Manawar Ahmad

15:45-16:00

FC104 Evaluation of Auxillary Retention by Incorporation of Modifications in Crowns and Tooth Preparations - An in vitro Study

Sagar Abichandani

Theme: General Dentistry and Oral Health

16:00-16:15

FC105 Sem Evaluation of Nanoleakage in Class-V Restorations Using Flowable Resin Composite as a Liner- An in Vitro Study

Stalin Arulsevam, M.R. Srinivasan, R. Indira, S. Ramachandran

16:15-16:30

FC106 Use the Reimplanted Tooth as Abutment for Fixed Partial Denture

Ali Golmoradizadeh

16:30-16:45

FC107 Immediate Orthodontic Treatment for the Traumatically Displaced Anterior Dentition

Amish Mehta

16:45-17:00

FC109 Quality of Working Length Radiographs Taken and Used by Final Year Undergraduate Dental Students during Endodontic Treatment

Ruwan D Jayasinghe, Bimali S Weerakoon, Roshani S Perera, Wasana E.A. Madushanka, Manil C.N. Fonseka, Kamal A Wettasinghe

Theme: Dental treatment and restorative dentistry - Prosthetics

17:00-17:15

FC110 Anterior Tooth Replacement: Esthetic Dilemmas Confronting the Clinician

Wendy de Melo

Theme: General Dentistry and Oral Health

17:15-17:30

FC111 Perceived Sources of Stress among Junior & Mid-senior Egyptian Dental Students

Nabila Ahmed Sedky

14:30-17:45 - Room S223

Chair: Michael Mui

Theme: General Dentistry and Oral Health

14:30-14:45

FC112 Treatment of Skeletal Class III Open Bite malocclusion with Multiloop Edgewise Archwire (MEAW) technique

Lubna Khan, Rajiv Yadav

14:45-15:00

FC113 Stress Analysis for Teeth Restored with Full Ceramic Crowns

Liliana Sandu, Sorin Porojan, Florin Topala

Theme: Dental treatment and restorative dentistry - Periodontics

15:00-15:15

FC114 Association between CD4+T Lymphocytes and "Red Complex" Pathogens in HIV Positive Patients with Chronic Inflammatory Periodontal Disease

Cathy Nisha John, Lawrence Xavier Graham Stephen, Charlene Wilma Joyce Africa

15:15-15:30

FC115 The Effect of Secondary Hemodialysis Therapy on Periodontium

Silvia Martu, Solomon Sorina, Sincar Cerasella, Martu Ioana, Rudnic Ioana

Theme: Dental treatment and restorative dentistry - Esthetics

15:30-15:45

FC116 Does Curing Mechanism Affect the Clinical Performance of Porcelain Laminate Veneers? Two Years Follow-up Results

Bilal Yasa, Murat Türkün

15:45-16:00

FC117 Fashion Dentistry: Boon or Bane?

Aastha Sobti

Theme: General Dentistry and Oral Health

16:00-16:15

FC118 The Effect of Midazolam on the Memory of Patients Undergoing Minor Oral Surgery

Eleftherios Martinis, Gezala Umar, Cathy Bryant

16:15-16:30

FC119 Stresses in Restored Teeth Caused by MOD Ceramic Inlays

Sorin Porojan, Liliana Sandu, Florin Topala

16:30-16:45

FC120 Oral Inflammatory Knotitis: A New Theory That Can Help to Deal with Gum Disease, Recurrent Ulcers, and Bad Breath

Shen Q. Pan

16:45-17:00

FC121 Study of the Efficacy of Prophylactic versus Post-operative Antimicrobial Therapy in Third Molar Surgery

Olurotimi Clement Akanbi Olojede, O.M Gbotolorun

17:00-17:15

FC122 Association of Obesity and Periodontal Disease

Dhirendra Giri

Theme: Preventive dentistry - Public Health

17:15-17:30

FC123 The Future of Preventive Paediatric Dentistry in Primary Care

Miljana Petrović Punoševac, Dragan Nikoli, Slobodan Graši

17:30-17:45

FC124 Multidisciplinary Health-educational Approach to Oral Health in Primary Care

Miljana Petrović Punoševac, Mirjana Smrekar, Dragana Sotirovski

The FDI World Dental Exhibition

The FDI's World Dental exhibition provides a unique opportunity to meet with leading manufacturers, supplier and distributors from the international and regional dental trade and industry.

You will have the opportunity to learn about the latest developments in dental technology, equipment and products.

Exhibition opening hours:

Wednesday 29 August 2012 - 10.00-18.00

Thursday 30 August 2012 - 10.00-18.00

Friday 31 August 2012 - 10.00-18.00

Saturday 1 September 2012 - 10.00-16.00

Optional Social Programme

Hong Kong offers a vast contrast between ancient and modern, as well as beautiful lush green areas and unique sea front views. We highly encourage you to make the most of your free time to discover all the exciting sites that Hong Kong has to offer. We have put together a diverse list of outings and excursions to enhance your Congress experience and hope you will find these enticing!

During the Congress, several opportunities to network with your peers will be available, including the Welcome Ceremony, a Hong Kong night boat cruise and a Gala diner in the old Western Market, the oldest market building surviving in Hong Kong!



Hong Kong Night

Date & Time: 30th August 2012, 18:30-23.00

Venue: Harbour Cruise Bauhinia

Cost: CHF 110 (Swiss francs)

Dress code: Casual

"Harbour Cruise - Bauhinia", is the ideal choice in town for FDI 2012 "Hong Kong Night".

Enjoy the entertainment, scenery and gourmet food we have put together for you while cruising along the unparalleled Victoria Harbour. Step out onto the 360 degrees open deck to relish the breathtaking sunset view, the spectacular world-renowned laser show "A Symphony of Lights", gorgeous views of both sides of the Victoria Harbour and fabulous architecture on its shore.

Visit one of our cultural kiosks and bring home a nice souvenir to remember Hong Kong while enjoying the wide selection of appetite-whetting food from the international buffet spread. Dance to your favourite music played by the live band to bring a perfect end to 'Hong Kong night'.

Coach transfer from convention centre departs at 18:30

Sailing at 19:00

Disembarkation at 22:00 with coach transfer to convention centre

Disembarkation point: North Point Ferry Pier

To book your Hong Kong Night ticket, please visit the MCI desk in the registration area.

Fundraising Gala Dinner

Date & Time: 31st August 2012, 18.30-23.00

Venue: The Grand Stage

Cost: CHF 175 (Swiss francs)

Dress code: Cocktail dress & Tuxedos

The Grand Stage, located on the top floor of the Western Market, is well known for its Cantonese cuisine and open structured ceiling. The Gala Evening will be an unforgettable experience – dining in a Heritage building, and enjoying a traditional Chinese Banquet with stunning performances.

The Western Market was built in 1906 and has now been identified as one of Hong Kong's most valued Declared Monuments. At present, it is the oldest surviving market building in Hong Kong.

In 1991 it was converted into a commercial centre for traditional traders, arts and crafts. The building has been brought back to life by the restaurant and boutique shops, which have turned the building and its vicinity into a place for lifestyle shopping and leisure activities.

Coach transfer from convention centre departs at 18:30

Opening performance at 19:00

Dinner starts at 19:30

Coach transfer to convention centre at 22:30

To book your Gala Dinner ticket, please visit the MCI desk in the registration area.

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Reference 1. Amornchat C et al. (2004) Mahidol Dent J 24(2): 103–111. 2. Fine DH et al. (2006) J Am Dent Assoc 137: 1406–1413. 3. Linthe J et al. (1993) J Clin Periodontol 20(5): 327–334. 4. Garcia-Godoy F et al. (1990) Am J Dent 3 (Spec Issue): S15–S26. 5. Ayad et al. J (2011) Clin Dent 22(6): 204–212.

Registration Information

Registration Area

Registration Desk Opening Hours:

Tuesday 28th August - Saturday 1st September
7.00 - 18.00

Name Badges

Each registered participant will receive a name badge at the Registration Area. This badge will be your official pass and must be worn to obtain entry to all sessions and social functions. Name badges will be colour coded as follows:

Blue:	Dentist
Green:	Hygienist, Technician, Therapist, Auxiliary, Office Personnel
Purple:	Trade & Industry
Orange:	Dental Student
Brown:	Staff
Turquoise:	Press
Red:	Accompanying person, Exhibition visitor (access to the exhibition only)
Black:	Exhibitor (may access the exhibition before opening hours, no access into the scientific sessions)

On-Site Desks

Pre-registered: SAVE TIME!

6 self-printing stations are available.

International / Regional

Pre-registered and new registrations.

China, Hong Kong SAR, Macau SAR and Chinese Taipei

Pre-registered and new registrations

Speakers & VIPs, Press and media

Exhibition - exhibitors & visitors

Congress material

Bags are provided to full registrants to the Congress according to availability.

Hotel/Social/Tours

Social and tour tickets, as well as accompanying person programme and post congress excursion tickets can be purchased (subject to availability).



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Payment

Payments may be made in cash, RMB and HKD, or by credit card: Visa, Mastercard, Union Pay.

Registration Entitlements

Full Registration

The registration fee entitles delegates to the following:

- Access to all lectures in the Scientific Programme
- World Dental Exhibition
- Welcome Ceremony (subject to availability)
- Congress Documentation
- Congress Bag (subject to availability)

Please note that the registration fee is for the full four inclusive days. This does not guarantee you a seat at any particular scientific session. We recommend arriving early to avoid disappointment.

Accompanying Persons

Accompanying persons are defined as spouses, children, or partners of full registrants. These entitlements are only available to accompanying persons who have indicated their attendance on the registration form.

The registration fee entitles accompanying persons to the following:

- Welcome Ceremony (subject to availability)
- World Dental Exhibition
- Welcome Gift
- A pre-selected half day tour (not applicable for accompanying persons under 16, subject to availability and minimum of 8 persons per tour)

In addition, accompanying persons may attend all social events and tours at their own expense.

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General Congress Information

Venue

We are fortunate to be hosted at the Hong Kong Convention and Exhibition Centre (HKCEC), located in the heart of the city in the modern and dynamic Wan Chai District, overlooking the Hong Kong harbour.

Hong Kong Convention & Exhibition Centre (HKCEC)

1 Expo Drive, Wanchai
Hong Kong SAR, China
Tel.: +852 2582 8888
Fax: +852 2802 0000
Email: info@hkcec.com
Website: www.hkcec.com

Photos, filming and audio-recording of scientific sessions

It is strictly forbidden to film or record the sessions. You are allowed to take photographs for personal use only during the scientific sessions as long as it does not interfere with the lecture – but without flash.

HKCEC Free WiFi Service Login Procedure

- Open the wireless connection on your device and select “HKCEC_Free_WiFi” network from the available wireless network list.
- Open your web browser and access any web page.
- You will be connected to Terms and Conditions page. Please select “I agree” button.
- Finally, you will be redirected to HKCEC web page.
- Your internet access is now enabled. You can access your desired web page while you are within the wireless network in HKCEC.

Please note: The wireless Internet service will disconnect if the connection is idle for over 30 minutes.

The usage is limited to 60 minutes upon registration and can be renewed when required during the day at no cost.

Cloakroom

Two cloakrooms will be available within the Registration area (Hall 3B and Hall 3C).

FDI World Dental Federation is an ADA / CERP recognised provider. Delegates who have registered for the Congress are eligible to receive continuing education points by attending scientific sessions throughout the meeting. Certificates will be available for download after the congress.

Number of points available:

- Maximum number of CE points over the whole event: 26.5;
- Main scientific sessions (morning & afternoon sessions): 5 points per day, maximum of 20 over the whole event;
- Early morning seminars (user pay): 1 point per session, maximum of 2 points over the whole event;
- Meet the experts (user pay): 1 point per session, maximum of 4 points over the whole event.

Cash Machines

ATM MACHINES

Harbour Concourse: 1 machine (Wing Lung Bank)

Convention Plaza - Level 1: 3 machines (Wing Lung Bank, Hong Kong Bank)

Certificates of Attendance

A Certificate of Attendance will be issued to all who participate in the Scientific Programme (available onsite at the registration area from 31st August 2012 at 14:00 and online after the Congress)

DO'S but mainly DONT'S!

- Smoking is prohibited in all indoor public places, including the HKCEC.
- The consumption of food or beverages is prohibited in the conference rooms.
- Your cell phone must be turned off during the conference sessions.
- Do enjoy attending this wonderful congress!

FDI pavilion - come visit us!

Visit the FDI Stand Number K16/I25 in the exhibition area – 108 square metres of information on the FDI, its focus, areas of concern, programmes and activities as well as a special exhibit tracing the Federation's history, from its founding in 1900 to the present day.

You may also wish to contact the Headquarter Offices:

FDI World Dental Federation

Tour de Cointrin - Avenue de Louis Casai 84 - Case postale 3
1216 Genève Cointrin - Switzerland

Tel: +41 22 560 81 50 / Fax: +41 22 560 81 40

Email: info@fdiworldental.org

Fire Department

Contact our Security Department: (852) 2582-7162.

First Aid station

Contact our Security Department for assistance (852) 2582-7162. HKCEC can provide simple first-aid help only. No resting space is available.

Insurance

Registration fees do not include insurance of any kind. It is strongly recommended that, at the time you register for the Congress and book your travel, you take out an insurance policy of your choice. The policy should include loss of fees/deposit through cancellation of your participation in the Congress, or through cancellation of the Congress, loss of international/domestic air fares through cancellation for any reason, loss of tour monies through cancellation for any reason including airline or related services strikes, failure to utilise tours or pre-booked arrangements due to airline delay, *Force Majeure* or any unforeseen or unrelated event, medical expenses, loss or damage to personal property, additional expenses and repatriation should travel arrangements have to be altered. The Congress organisers take no responsibility for any participant failing to arrange their own insurance. This insurance is to be purchased in your country of origin.

Languages

All scientific and educational programmes will be held in English and/or Mandarin. Simultaneous interpretation will be provided in English and Mandarin for selected sessions. Please refer to the previous pages.

'Lost & Found' and Police

Contact our Security Department: (852) 2582-7162.

Telephone booth (public coin phone for local calls)

Harbour Road Entrance: Harbour Road Kiosk.

General Information

Hong Kong at a glance

Country: People's Republic of China (PRC)

Political System: Special Administrative Region of the People's Republic of China

Population: 7.03 million

Currency: Hong Kong dollar (HKD)

Demonym: Hong Konger

Official languages: Chinese, English

Time Zone: HKT (GMT +8. No daylight saving time at the moment)

Driving: Drives on the left

Calling code: +852

Electricity: 220 V, 50Hz

Weights and Measures: metric system

Hong Kong is one of two special administrative regions (SARs) of the People's Republic of China (PRC), the other being Macau. A city-state situated on China's south coast and enclosed by the Pearl River Delta and South China Sea, it is known for its expansive skyline and deep natural harbour. With a land mass of 1,104 km² (426 sq mi) and a population of seven million people, Hong Kong is one of the most densely populated areas in the world. Hong Kong's population is 95 percent ethnic Chinese and 5 percent from other groups. Hong Kong's Han Chinese majority originate mainly from the cities of Guangzhou and Taishan in the neighbouring Guangdong province.

Banking & Currency

The legal tender is the Hong Kong dollar (HKD), which is linked to the US dollar at a rate of about HKD 7.80 to USD 1, although exchange rates may fluctuate slightly. Interestingly, Hong Kong banknotes are issued by three banks (HSBC, Standard Chartered Bank and Bank of China), and vary in design and colour for each denomination.

Banknotes

- \$10 - green or purple (The purple note is issued by the government)
- \$20 - dark blue or light blue (old or new)
- \$50 - purple or green (old or new)
- \$100 - red
- \$500 - brown
- \$1000 - yellow

Coins (issued by the government)

- 10c - in bronze, circular, smaller
- 20c - in bronze, wavy-circular
- 50c - in bronze, circular, larger
- \$1 - in silver, circular, thinner
- \$2 - in silver, wavy-circular
- \$5 - in silver, circular, thicker
- \$10 - in bronze/silver, circular

Banking hours are: Major banks are open 9:00-16:30 (9am-4:30pm) on weekdays, and 9:00-12:30 (9am-12:30pm) on Saturdays. Closed Sundays and public holidays.

Credit Cards: Automated teller machines (ATMs) can be found almost everywhere and some HSBC 'Electronic Money' machines provide 24-hour cash withdrawal (HKD) facilities for Visa and MasterCard holders. American Express cardholders have access to 'Aeon' ATMs and can withdraw local currency with Express Cash service in town.

Climate

Hong Kong has a subtropical climate with distinct seasons.

Autumn is from September to November: there are pleasant breezes, plenty of sunshine and comfortable temperatures. Many people regard these as the best months of the year to visit Hong Kong.

Drinking water

Tap water is soft in character and conforms to the guidelines for drinking-water quality recommended by the World Health Organisation. However, most people prefer to drink bottled water. Mineral water including major imported brands, is readily available from supermarkets and convenience stores.

Eating out

Renowned as the culinary capital of Asia, Hong Kong boasts more than 11,000 restaurants, many of them clustered in defined food districts.

Apart from enjoying the best Cantonese and regional Chinese food, visitors can sample a full choice of authentic Asian cuisines and Western fare. Local must-try dishes are dim sum and fresh seafood, with some of the top examples found in Best of the Best award-winning restaurants.

Most restaurants stay open until 23:00 (11pm) or later, while some bars and clubs in areas such as Lan Kwai Fong, Wan Chai and Tsim Sha Tsui keep going throughout the night.

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Electricity

The standard electrical voltage in HK is 220 volts AC, 50HZ. Most hotel bathrooms also have outlets for 100 volts, but otherwise you will need a transformer for any appliance or electrical equipment. The majority of electrical outlets in Hong Kong take a three-pronged UK-type plug. You can buy an inexpensive adaptor for your equipment when you arrive in Hong Kong.

Health & medical care

Upon arrival in Hong Kong, automatic sensors will take your temperature at the Hong Kong International Airport and boundary control points, and if it is high, you will be required to have a quick health check.

Vaccination certificates are usually not required. Check with your local carriers because requirements may change.

As an international city, Hong Kong has world-class hospitals providing outstanding care. Visitors using Accident and Emergency services in Hong Kong public hospitals are charged a set fee of HKD570 per attendance, but will always be treated even if they cannot pay immediately.

Language

Cantonese and English are the official languages of Hong Kong. All official signs are bilingual (using traditional characters). Most shops and restaurants also have English signage, though don't expect this from the more local or rural establishments.

Cantonese is the Chinese dialect spoken by over 88% of the people in Hong Kong. However, English is widely used in the Government and by the legal, professional and business sectors as well as tourist areas. Most taxi drivers and salespeople are able to communicate in English.

Safety

Hong Kong is a remarkably safe city by day or night. Friendly police officers patrol frequently. To ensure that your stay is pleasant and hassle free, please pay attention to the following points:

- Keep your money, valuables and travel documents in a safe place, like the hotel room safe.
- Attend to your belongings especially when you are in a crowded place.
- Beware of people making dubious offers and those who may try to distract you and take away your belongings.
- Be wary of people offering gambling or investment opportunities.

Shopping

For sheer variety of products and brands in all price ranges, Hong Kong is a unique shopping experience.

From glitzy malls to funky street markets, and trendy boutiques to traditional Chinese product stores and themed shopping districts, you can find everything from the latest designer fashions and electronic gadgets to best-value antiques and collectibles.

Some shops are open every day throughout the year, some only closing during the Chinese New Year holiday. Generally, opening hours are 10:00-19:00 (10am-7pm). However, many stores in busy retail areas like Causeway Bay and Tsim Sha Tsui stay open until 21:30 (9:30pm) or even later, particularly on weekends. Shops in Central close as early as 19:00 (7pm).

Business Hours: Normal office hours in Hong Kong are 9:00-17:00 (9am-5pm) or longer (depending on the kind of business) on weekdays, and 9:00-13:00 (9am-1pm) on Saturdays.

Smoking restrictions

Smoking is prohibited in all indoor public places, including restaurants, karaoke, malls and bars.

The smoking ban also covers both indoor and outdoor areas of some premises such as public beaches and swimming pools, escalators and the Hong Kong Wetland Park. It also applies to public transport carriers and facilities. Furthermore, no person shall smoke or carry a lighted cigarette, cigar or pipe in designated no smoking areas, or they shall be liable to a fixed penalty of HKD1,500.

Tipping

Most restaurants will levy a 10% service charge but waiters will expect to be given some loose change. Restaurants that don't add a service charge will expect a 10% tip. However, tipping is left to your discretion. Bellboys, porters, restroom attendants and taxi drivers are happy to accept loose change.

Tourist attractions

Tourist information is available at the Social/Tour desk in the registration area.

Transportation services

Airport transfer

Hong Kong International Airport (HKIA) is served by a highly efficient and comprehensive transport network, making it easy to get to and around. Arriving and departing passengers have plenty of choice.

The Airport Express links HKIA directly to Hong Kong's central business district and buses connect the airport with most of the city. While taxis and coaches provide additional choices for passengers, there are also limousines which take passengers to their destinations directly for a higher rate.

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Scientific Programme Keywords Index

- Adolescent - 77, 86, 94, 121, 138
- Alveolar ridges - 85
- Aesthetic - 25, 33, 73
- Aetiological factor - 65
- Aging/Ageing - 72, 55
- ART - 20, 27, 50, 76, 83, 95
- Biodentine - 46, 47
- Biofilm - 78, 81, 82, 88, 110, 155
- Biomarkers - 37, 47, 48, 58, 141, 145
- Bonding - 46, 61, 70, 71, 76, 83, 145, 158, 159
- Bone regeneration - 57, 119, 123, 154
- CAD/CAM - 37, 45, 46, 92, 116, 132, 144, 169
- CAMBRA - 41, 121
- Cancer - 64, 65, 69, 108, 126, 127, 135, 136, 141, 148, 157
- Caries - 16, 21, 23, 28, 41, 59, 77, 82, 86, 87, 88, 95, 98, 110, 112, 116, 117, 120, 121, 122, 128, 129, 131, 134, 135, 140, 141, 145, 146, 150, 152, 153, 154, 157
- Cariogenic bacteria - 87, 95, 128
- Cariology - 36, 45, 61, 69, 91, 95, 114
- CT Scan - 46, 47, 144
- CBCT - 21, 28, 46, 47, 71, 119
- Cell-based therapy - 45
- Ceramic - 37, 45, 46, 57, 92, 116, 126, 132, 134, 146, 159, 161, 162, 169
- Children - 20, 23, 25, 51, 77, 86, 111, 117, 120, 121, 122, 128, 129, 130, 131, 134, 135, 136, 140, 141, 150, 152, 153, 158, 168
- Chinese Medicine - 75, 81, 82, 100
- Crown - 53, 57, 116, 117, 148, 159, 161
- Delphi - 73, 90, 92
- Dental adhesion - 38, 39
- Dental crowding - 80
- Dental education - 15, 17, 29, 30, 92, 110
- Dental Sleep Medicine - 76, 82, 83, 105
- Diabetes - 16, 24, 60, 66, 67, 78, 96, 97, 116, 128, 131, 137, 138
- DNA vaccines - 87, 95
- Dry Eye Syndrome - 37, 58
- Dyslipidemia - 67
- Edentulous Arches - 60, 62
- Elderly - 61, 71, 72, 115, 131
- Endodontic - 21, 31, 32, 37, 39, 46, 47, 61, 91, 93, 100, 106, 124, 125, 146, 154, 155, 156, 158, 160
- Eruption - 20, 25, 157, 158
- Eruption disturbance - 25
- Esthetic - 27, 36, 37, 38, 39, 45, 46, 52, 53, 54, 57, 62, 73, 90, 91, 102, 138, 160, 161, 169
- Esthetic Dentistry - 27, 36, 37, 38, 45, 91, 102,
- Etiology and pathogenesis - 67, 79
- Forum - 36, 37, 40, 42, 49, 52, 90, 114
- Future treatments - 56

General Practitioner - 42, 47, 49, 76, 80
Geriatric dentistry - 99, 100, 106
Geriatric patients - 61, 71
Glass-ionomer cement - 61, 70, 71
High-risk environment - 81
Hypertension - 67
Immunity - 87
Implant Dentistry - 21, 33, 53, 56, 62, 85, 90, 99, 102, 103, 120, 144
Implantology - 28, 91, 106, 110, 114, 119, 126, 127, 144, 151, 154
Infection - 22, 57, 65, 79, 87, 127, 154
Inflammation - 22, 56, 57, 66, 67, 78, 79, 97, 108, 109, 131
Interdisciplinary treatment - 20, 22
Ionomer - 61, 70, 71, 122, 124, 125, 146, 158
Malignant - 64, 65
Malignant neoplasms - 65
Materials - 18, 38, 39, 46, 53, 57, 60, 62, 63, 64, 70, 86, 87, 105, 106, 107, 125, 131, 132, 145, 146, 148, 156, 157, 169
Maxillofacial Surgery - 94, 98, 103, 106, 109
Medically Complex Dental Patient - 77, 84,
Mesenchymal stem cell - 21, 32, 57
Metabolome - 47
Microbiome - 47
Micro-RNA - 47
Military - 10, 19, 20, 21, 110
MTA - 46, 47, 124, 125, 146
Myofunctional therapy - 80
Nano-technique - 82
NCDs - 15, 17, 24, 75,
New approach - 47, 64
New technologies - 23, 46
New technology - 47
Obesity - 67, 153, 162
OCRA - 41
OPMD - 65
Oral cancer - 41, 48, 60, 64, 65, 69, 108, 126, 127, 135, 138, 141
Oral cancer research - 65
Oral cancer treatment - 65
Oral Neglect in Institutionalized Elders - 73, 99
Oral potentially malignant disorders - 65
Oral surgery - 21, 28, 98, 105, 115, 127, 154, 162
Orthodontic - 73, 74, 76, 80, 101, 109, 111, 115, 117, 122, 123, 130, 134, 136, 137, 147, 160
Osseointegration - 85, 102, 103, 120
Papillomavirus - 65
Patient safety - 76, 80, 81, 93, 109
Pedodontic - 25, 76, 83, 111, 117, 158, 159
PEMBRA - 41
Peri-implantitis - 37, 56, 119
Periodontal diseases - 66, 76, 78, 81, 82, 98, 109, 128, 138
Periodontal treatment - 61, 73, 81, 82, 118
Periodontic - 27, 36, 39, 61, 69, 79, 91, 97, 99, 108, 117, 161
Periodontitis - 22, 66, 67, 73, 74, 78, 79, 117, 118, 125, 127, 131, 138, 150, 155

Piezo surgery - 46
Practice management - 36, 41, 61, 72, 100, 101, 181
Prevention - 15, 16, 17, 25, 26, 36, 40, 41, 44, 50, 51, 64, 81, 82, 93, 95, 98, 104, 110, 112, 122, 129, 148, 152
Preventive Dentistry - 20, 26, 90, 98, 99, 120, 122, 127, 128, 134, 136, 140, 145, 146, 150, 151, 152, 153, 154, 156, 162
Primary healthcare - 84
Problem Based Learning - 30
PBL - 30
Prostheses - 46, 62
Prosthetic approaches - 85
Proteome - 47
Prosthodontic - 54, 73, 74, 92, 102, 110, 120
Public Health - 3, 15, 23, 40, 49, 65, 90, 91, 93, 95, 98, 99, 106, 108, 114, 122, 128, 135, 136, 140, 148, 151, 156, 162
Pulp capping - 46, 47
Reconstruction - 53, 87, 94, 103
Rehabilitation - 33, 34, 46, 139, 140
Restoration - 33, 38, 39, 46, 50, 57, 60, 62, 69, 138, 139, 157, 160, 169,
Restorative treatment - 39, 46, 50, 52
Risk management - 61, 72
Safety - 75, 80, 81, 93, 109, 152, 157, 176,
Saliva - 37, 47, 48, 58, 87, 95, 108, 115, 116, 129, 130, 138, 141, 152, 153
Salivary diagnostic - 47
Sinus elevation - 33, 34
Sleep apnea - 82, 83, 139
Sleep disordered breathing - 83, 105
Smoking cessation - 40
Stem Cells - 21, 32, 45, 56, 65, 108, 155
Streptococcus mutans - 87, 133, 153, 154
Streptococcus sobrinus - 87
Systemic diseases - 47, 71
TCM - 81, 82
Tissue regeneration - 31, 32, 56, 57, 108
Tobacco - 16, 36, 40, 41, 65, 78, 91, 101, 107, 128
Tooth eruption - 20, 25, 157
Tooth loss - 22, 33, 135
Traditional Chinese Medicine - 76, 81, 82, 100
Transcriptome - 47
Transplantation - 57, 58, 87, 147, 155
Women - 10, 36, 37, 42, 49, 90, 94, 103, 116, 135, 150
Young dentist - 37, 52, 91, 94, 96
Zirconia - 36, 37, 38, 45, 62, 132



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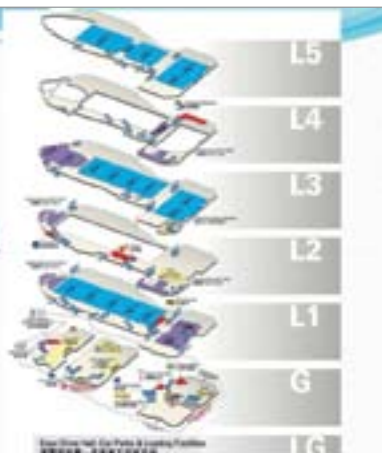
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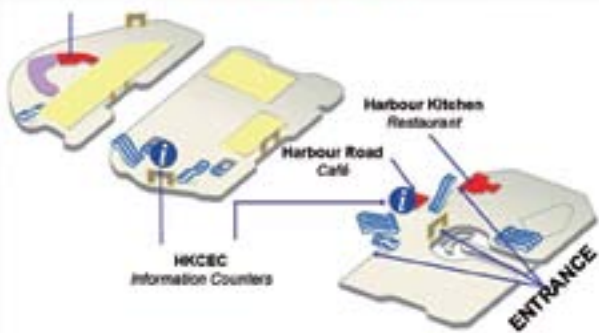
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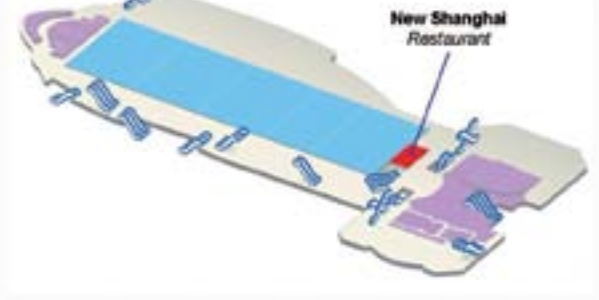
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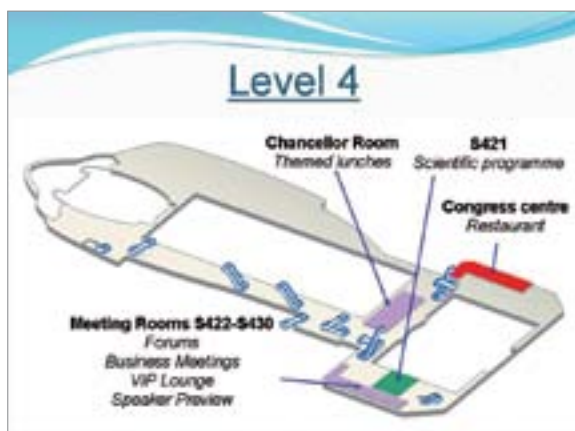
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