Getting to the roots of endodontics

In this issue: 3 Dean’s Message • 5 Faculty Focus • 8 Meeting Reports • 9 Research Highlights • 10 In the Chair • 11 Faculty Expressions • 13 Close Up • 14 For the Record • 15 Student Expressions • 16 Alumni Expressions • 18 Patient Page
Extra Xylitol
HELPS PREVENT TOOTH DECAY & STRENGTHEN TEETH

New Orange Mint Flavour

RESEALABLE BAG

NEW!
WRIGLEY'S Extra Xylitol
ORANGE MINT FLAVOUR SUGARFREE GUM

approximately 20 pellets

FDI World Dental Federation
Chewing of sugarfree gum - such as Extra - is beneficial to dental health
A warm welcome back to all staff and students of the HKU Faculty of Dentistry after the summer break! And a big welcome, too, goes to our new cohorts of undergraduate and postgraduate students. You’ve taken time to select the best place to conduct your dental studies, and we’ve selected the best students—so you can be assured of the high quality of education you will receive during your time at our Faculty and HKU, and we look forward to being your life-long learning partners.

In addition, we are delighted to welcome the Faculty’s newest members of staff (see pages 10 and 14), as we embark on the next era in our history, having just concluded our 25th academic year. Indeed, some of our new Faculty join us as part of the University’s Centenary Recruitment Plan, which aims to enhance HKU’s research competitiveness and facilitate the introduction and delivery of the new 6-year BDS curriculum from 2012. We are confident our strengthened team will help our University continue to excel and remain in the top echelons of the world’s institutions of higher education (26th this year among the top 200 universities, according to The Times Higher Education World University Rankings 2008).

Finally, we welcome back to the Faculty our staff and students who participated in two regional scientific meetings in Manila, Philippines, this October. Our representatives did us very proud in the research competitions, bringing back home a total of six research awards: one from the 19th Annual Meeting of the South-East Asia Association for Dental Education, and five from the 22nd Annual Scientific Meeting of the International Association for Dental Research, South-East Asia Division (see page 8).

This great achievement along with our steady publications output and numerous prizes and accolades gained during the past year all bear testament to our Faculty’s strong research tradition and vibrant interdisciplinary and international research culture. Things are looking bright for our next 25 years!

This year, we are celebrating 10 years of problem-based learning (PBL) in our undergraduate curriculum, and Expressions will report on our special PBL10 Fundraising Concert in the next issue. In the meantime, readers can find out more about PBL in the HKU undergraduate dental curriculum at <http://facdent.hku.hk/pbl>.

This issue of Expressions takes a look into Endodontics in Hong Kong. In addition, I am glad to announce my renewed deanship for the next 5 years, starting on 1 January 2009, and share with you some reflections on my first 5 years at the Faculty (see page 5). Happy reading!
OUTSTANDING PERFORMANCE
TIME AFTER TIME

PROTAPER
UNIVERSAL
The new generation

Treatment
Rotary ProTaper® files ensure rapid and high quality canal shaping.
ProTaper® files For Hand Use, have the same design as that of the rotary ones and are useful for more difficult cases such as canals with great apical curvature. They are also excellent instruments for all clinicians practicing manual endodontics.

Retreatment
ProTaper® re-treatment files have been designed to remove filling material before canal re-shaping.

Obturation
As ProTaper® paper points F1-F5 match tapers of the files, they ensure rapid canal drying.

As they perfectly correspond to the size of the shaping files, the ProTaper® obturators and gutta percha points give you the guarantee of optimized obturation.

Ask your DENTSPLY representatives for more information on ProTaper® Universal

DENTSPLY Asia
25/F, Pacific Link Tower, Southmark, 11 Yip Hing Street
Wong Chuk Hang, Hong Kong
Tel : 852-2870-0336  Fax : 852-2870-0620
www.dentsply-asia.com
The next 5 years

By Lakshman Samaranayake

As the end of one term of office as Dean of the HKU Faculty of Dentistry draws to a close and as a new one begins, I have an opportunity to ponder, to look back at accomplishments, and, more importantly, to gaze into the future.

To be a university dean is a rare honour. To be appointed as the Dean of Dentistry at The University of Hong Kong, one of the top universities in the world, to me was the realisation of a dream. And to have served for 5 years and received the opportunity of continuing that dream for another 5 years is a singular privilege. Needless to say, I am humbled by the faith and trust that my colleagues and the University have placed in me to be the custodian of our vibrant Faculty for another term.

Looking back

What lingers in my memory from the past 5 years are the wonderful Silver Jubilee celebrations of 2007, the Faculty’s landmark research accomplishments, the successful completion of a decade of problem-based learning (PBL) in our undergraduate curriculum, the launch of the first ever joint clinical programme between Peking University and HKU, our first cross-border conjoint scientific meeting, and the establishment of the first Master programmes in implant dentistry in Asia.

We have also seen our number of postgraduate students triple, with a sizeable proportion coming from overseas, as well as a 25% increase in our academic staff numbers, again from all four corners of the globe. Our Faculty’s staff and students currently hail from 30 different countries, and today we can call ourselves truly international and part of Asia’s World City.

These accomplishments would not have been possible without the commitment, dedication, and hard work of all my colleagues, to whom I am eternally grateful. Thanks to our team effort, our Faculty has earned a high international reputation, and our University is consistently ranked in the world’s top 50,1,2 and top in China for the past 2 years.2 We have accomplished much, but more needs to be done.

Looking ahead

What of the future? The new 6-year dental undergraduate curriculum will be upon us in 2012. Although we are ready to undertake this challenge with our legendary PBL experience, infrastructure requirements—notably those related to increased undergraduate student numbers—will need to be addressed.

The explosive demand for postgraduate and continuing education in the region, and particularly in China, is breathtaking and will also need to be met. We are indeed well placed to serve the mainland and our neighbouring communities by providing world-class postgraduate programmes in the 21st century.

In the year of the Beijing Olympics, I am cognizant of the fact that a Dean is merely a transient torch bearer, now with the responsibility for keeping the flame alive for a few more years. It is my passion, determination, and hope that during my subsequent deanship in 2009, our flame should shine brighter than ever! This is my solemn pledge for the next 5 years.

Faculty in figures

| 188 | Total current number of staff |
| 258 | Current undergraduates |
| 132 | Current taught postgraduates |
| 41  | Current research postgraduates |
| 30  | Countries represented by current staff and students |
| 18  | Taught postgraduate courses offered in 2009-10 |
| >45 | Continuing Education seminars (Oral Health & Science Seminar series) offered in 2008-09 |
| 1220 | BDS alumni |
| 421 | Taught postgraduate alumni |
| 93  | Research postgraduate alumni |
| >700 | Peer-reviewed articles published in past 5 years |
Expanding understanding

The HKU Faculty of Dentistry has signed new Memoranda of Understanding with two dental schools from Thailand and the Chinese Stomatological Association to further increase inter-institutional cooperation and sharing.

Ties with Thailand

The HKU Faculty of Dentistry recently signed Memoranda of Understanding during visits by two dental schools from Thailand—the Faculty of Dentistry of Chiang Mai University, Chiang Mai, on 5 September 2008 (top photo) and the Faculty of Dentistry of Mahidol University, Bangkok, on 11 and 12 September 2008 (bottom photo).

“Dean Thongnard Kumchai and his team were very pleased to visit the HKU Faculty of Dentistry and were grateful for the welcome and hospitality received,” says Ms Sukta Khansri, International Relations Officer for the Faculty of Dentistry, Chiang Mai University, who was part of the eight-member delegation. “We greatly appreciated the opportunity to visit such a high quality Faculty, and it was rewarding to observe research being conducted by staff and students, and to witness a well-functioning administrative system.”

The 19 visitors from Mahidol University included their University’s Vice-President for Administration and Council Secretary, the Dean of Dentistry, Dr Theeralaksna Suddhasthira, and her Associate Deans and department heads. Before signing a Memorandum of Understanding with our Faculty, they exchanged strategies and visions with Dean Samaranayake and our Faculty’s five Associate Deans, and discussed potential collaborative activities in administration, education, research, and academic affairs. Future initiatives will involve HKU, Mahidol University, and Thailand’s Ministry of Public Health.

China collaborations

On 26 May 2008, Dean Samaranayake signed a Memorandum of Understanding with Prof Xing Wang, the President of the Chinese Stomatological Association (right photo).

A joint academic scheme already agreed on under the Memorandum is the establishment of HKU Faculty of Dentistry–Chinese Stomatological Association Advanced Dentistry Fellowships. These annual postgraduate fellowships will provide an opportunity to well-qualified and outstanding young dentists from mainland China to study and conduct research at the HKU Faculty of Dentistry, in the form of a short-term attachment.

The signing of the Memorandum actually formed part of the proceedings of the Commencing Ceremony of The University of Hong Kong–Peking University Conjoint International Postgraduate Programme in Periodontology, held at the Marco Polo Hotel, Beijing. More than 160 guests, including Dean Samaranayake, Prof Li-jian Jin (Associate Dean for Mainland and Global Affairs), Dr Gordon Chiu (Honorary Clinical Associate Professor), and Ms Isabella Wong (Director of China Affairs, HKU), attended this official launch of the new programme, which was followed by a celebration dinner. Also participating in the ceremony were Prof Guang-yuan Yu (Dean, Peking University School of Stomatology) and senior officers representing the Ministry of Health of the People’s Republic of China, the Chao-Yang District of Beijing, and the Peking University Health Science Center.

During the evening, the first batch of postgraduate students, comprising seven dentists from mainland China, Taiwan, and India, were formally admitted to the 2-year full-time programme—the first of its kind in China.
Tsurumi students visit Faculty

The Faculty was pleased to host a delegation from the Tsurumi University School of Dental Medicine, Yokohama, Japan, between 24 and 28 July 2008. Dr Akira Yamane, Associate Professor at the Tsurumi University School of Dental Medicine, and five of his dental students were introduced to the Faculty's BDS curriculum and received hands-on experience in problem-based learning (PBL).

During their 5-day visit, the guests participated in a PBL tutorial introduced by Dr Kevin HK Yip, clinic activities organised by Prof Lim K Cheung and Prof Bakr Rabie, a meeting with the Dean, and a social programme. In addition, they attended the World Federation for Laser Dentistry 2008 Hong Kong Congress for free, courtesy of Dr Kenneth Luk on behalf of the conference’s local organising committee. The five students commented that they very much enjoyed their time at the Faculty.

The organisers of the event, Prof Li-jian Jin and Dr Chun-hung Chu (Associate and Assistant Deans for Mainland and Global Affairs), thank all Faculty staff who took part, as well as BDS student volunteers Ms Yvonne Yu, Ms Hailey Cheng, Ms Mandy Lee, and Ms Lillian Chiu. Future visits from other dental faculties are most welcome; please e-mail: <ljjin@hkucc.hku.hk>.

Summer programme 2008

Thirty-three secondary school students, about one-third from overseas (Canada, Thailand, UK, USA), enrolled in the Faculty’s Summer School 2008 to get an introduction to a career in dentistry and oral health care. Held between 21 and 26 July 2008, the Summer School offered participants a chance to try their first PBL tutorial, at which BDS student leaders acted as tutorial facilitators, as well as to learn to be self-directed learners, take radiographs in Oral Radiology, and check and improve their own oral hygiene with a dental hygienist.

Students also applied a rubber dam, polished coins in the Simulation Laboratory, made models in Dental Technology, and observed the management of real patients in the Reception and Primary Care area. The evening social events allowed everyone to relax, make friends, and enjoy University and hall life.

All the participants said they had gained valuable experience and, more importantly, many expressed an interest in pursuing a dental career in the future.

HKU Faculty of Dentistry Summer School 2008

Many thanks to:
Organiser: Dr Cynthia Yiu
Teachers: Dr Susan Bridges, Ms Anson Chau, Prof TW Chow, Dr Henry Luk
Hygienist: Ms Cordelia Chan
Student leaders: Ms Kevin Chan (BDS II), Mr Vicky Sze-To (BDS II), Ms Melody Leung (BDS II)
Student helpers: Ms Caroline Chee (BDS IV), Mr Bernard Liang (BDS V)
Faculty Office: Ms Joyce Chan, Ms Monique Cheung
Faculty reaps rewards in Manila

The HKU Faculty of Dentistry was well represented at two annual scientific meetings held recently in Manila, Philippines, and won the lion’s share of research awards at one of them.

SEAADE Meeting
At the 19th Annual Meeting of the South-East Asia Association for Dental Education (SEAADE) held on 7 and 8 October 2008, Mr Bernard Liang (BDS V student; left in photo 1 below) won US$500 as the first runner-up (second-place winner) in the Dentistry Student Table Clinician Competition. His competition entry described a novel technique for estimating the impaction depth of embedded mesiodens (extra middle teeth), which he developed during a self-initiated research project.

IADR/SEA Division Meeting
At the 22nd Annual Scientific Meeting of the International Association for Dental Research, South-East Asia (IADR/SEA) Division held on 9 and 10 October 2008, Faculty staff and students received both IADR/SEA Travel Awards (junior and senior categories) and three of the five available Best Paper Awards.

IADR/SEA Travel Awards
The Junior and Senior IADR/SEA Travel Awards, each worth US$1200, respectively went to:
♦ Mr Kok-choo Fung (BDS V student; left in photo 2) for presentations of findings on oral health disparities in Hong Kong, taken from his Group 5.6 Community Health Project, supervised by Prof Colman McGrath; and
♦ Dr Jayampath Seneviratne (Postdoctoral Fellow; photo 3) for presentations of research taken from his PhD project on the molecular microbiology of *Candida* biofilms, supervised by Prof LP Samaranayake and Prof Li-jian Jin.

The prize money will be used to travel to the Miami IADR General Session in April 2009, where our two representatives will compete in the junior and senior categories of the IADR/Unilever Hatton Awards Competition. The Faculty wishes them the best of luck in Miami!

Best Paper Awards
The following Faculty delegates successfully secured Best Paper Awards, worth US$500 each:
♦ Ms Yuk-man Lee (BDS V student; left in photo 4), in the “Behavioral Science and Health Service Research” category, who presented research work on the oral health of people with systemic sclerosis, taken from her Group 5.3 Community Health Project, supervised by Dr CH Chu;
♦ Dr Qing-hui Zhi (PhD student; photo 5), in the “Cariology and Mineralized Tissues” category, for presenting results of a clinical trial in arresting dentinal caries, from her PhD project, supervised by Prof Edward Lo, Dr Anut Itthagarun, and Dr HC Lin; and
♦ Dr Cynthia KY Yiu (Associate Professor in Paediatric Dentistry; left in photo 6), in the “Dental Materials: Laboratory Research and Clinical Research” category, for an oral presentation of research on the strength of bonding between dentine and an adhesive containing chlorhexidine; her co-investigators were Dr N Hiraishi (HKU), Prof NM King (HKU), and Dr Franklin Tay (Medical College of Georgia, USA).

Many congratulations to our prize winners!

The SEAADE (website, <www.seaade.org>) promotes “the advancement of dental education, research, and co-operation amongst dental institutions in the South-East and East Asian region”. The IADR/SEA Division (website, <www.hku.hk/dental/iadr-sea>) is one of the IADR’s 23 global divisions that aim to fulfil the missions of the IADR: “to advance research and increase knowledge for the improvement of oral health worldwide”; “to support and represent the oral health research community”; and “to facilitate the communication and application of research findings”. 
Some highlights of the Inaugural Conjoint Dental Scientific Meeting of HKU and Wuhan University, which took place on 10 and 11 May 2008 in Dongguan, China:

Held at the Sofitel Royal Lagoon Hotel, Dongguan, the 2-day scientific programme was introduced by Prof Lakshman Samaranayake, HKU Dean of Dentistry, and Prof Zhuan Bian, Dean of the School of Stomatology, Wuhan University. During the conference, staff and students of the two dental schools gave a total of 20 oral presentations and displayed 62 posters covering a wide range of disciplines.

In addition, invited guests delivered the following keynote speeches: “New progresses and challenges in dental research”, Prof Cun-yu Wang, Chair, Division of Oral Biology and Medicine, School of Dentistry, University of California, Los Angeles; “Dental education and research: a broad perspective”, Prof Patrick Ferrillo, Dean, University of the Pacific Arthur A. Dugoni School of Dentistry; and “Introduction of a Joint Fund between the Natural Science Foundation of China and the Hong Kong Research Grants Council”, Mr Yi Wang, Director of the Hong Kong, Macao and Taiwan Affairs Office, National Natural Science Foundation of China.

“This joint scientific meeting was a resounding success, and we’re very grateful to our special guests, and organisers and participants from both universities,” said Prof Li-jian Jin, Associate Dean for Mainland and Global Affairs, and the Faculty’s Organising Committee Chairman for the event. “This sharing of research progress and ideas was an excellent way for HKU and Wuhan University to collaborate, and we hope to repeat the initiative with our other sister dental schools in the future.”

Effects of constant distraction
Use of an automatically driven continuous bone distractor is better at bone lengthening and blood vessel formation than once-daily manual distraction, a rabbit study has revealed. Although all 40 rabbits in each of the two distraction groups showed bone healing after mandibular osteotomy, the continuous method was superior in enhancing healing, improving microvascular density, and stimulating mRNA expression of factors related to blood vessel and bone formation. [LW Zheng, L Ma, LK Cheung.]

Food for gums
A chemical found naturally in apples, onions, and tea “could be developed to become a useful compound in eliminating or reducing periodontal pathogens”, according to the results of an in vitro assay. The flavonoid quercetin, at 0.1, 0.05, and 0.025 g/mL, inhibited growth of Actinobacillus actinomycetemcomitans for 1 to 12 hours, and completely inhibited growth of Porphyromonas gingivalis by 24 hours. These antimicrobial properties are especially relevant to preventing periodontal disease and bone loss during orthodontic therapy, the researchers suggest. [F Geoghegan, ABM Rabie, RWK Wong, VWK Tsiu.]

Reducing blood loss in surgery
A preoperative injection of tranexamic acid can reduce blood loss during jawbone surgery, according to a randomised controlled trial conducted among 73 patients undergoing bimaxillary osteotomy. Compared with saline placebo, tranexamic acid given as a 20-mg/kg intravenous bolus significantly reduced both intraoperative blood loss (about 0.4 vs 0.6 L) and total blood loss (about 0.9 vs 1.3 L). [WS Choi, MG Irwin, N Samman.]
Joining the HKU Faculty of Dentistry starting from this academic year is Prof Niklaus P Lang, Professor in Implant Dentistry. Before coming to The University of Hong Kong, he had been Professor and Chairman of the Department of Periodontology and Fixed Prosthodontics at the School of Dental Medicine, University of Berne, Switzerland, for 30 years.

How did you become a dental practitioner?
My clinical career as a dentist started in 1968 after I graduated with my DDS degree from the University of Berne, Switzerland; 2 years later at the same university, I received my DrMedDent. Then, after 2 years as an assistant dentist in a private practice in the Bernese mountains, I enrolled in a 2-year full-time postgraduate programme in Fixed Prosthodontics at the University of Berne.

My research career started in 1971 at the Royal Dental College in Aarhus, Denmark, where I worked with the late Prof Harald Löe. Together with him, I transferred to the University of Michigan, Ann Arbor, USA, in 1972, where I enrolled in a 3-year full-time postgraduate programme in Periodontology with the late Prof Sigurd P Ramfjord. After returning to the University of Berne and gaining my Private Docent (PhD equivalent), I was appointed Full Professor and Chairman of the Department of Comprehensive Dental Care in 1980.

What inspired you to enter your current field?
The greatest inspirations in my professional life were my two mentors Profs Löe and Ramfjord. These two men were able to convey the enthusiasm for an academic career in general, and in the field of Periodontology and Oral Biology in particular.

Periodontology in the 1970s explored the aetiology and pathogenesis of periodontal disease, including the assessment of associated risks. Slowly, the field entered the molecular era after having concentrated on microbial factors for 20 to 30 years. When the osseointegrating healing pattern of oral implants became more predictable, this novel therapy revolutionised modern reconstructive treatment planning, and my research expanded into that field. It was only logical to apply the knowledge gathered from periodontal research to peri-implant tissues.

How did you decide to join the HKU Faculty of Dentistry?
At the 85th General Session and Exhibition of the International Association for Dental Research in New Orleans in 2007, I read a recruitment advertisement for a Professor in Implant Dentistry at the HKU Faculty of Dentistry. Because I had spent a sabbatical in 1994 at the Faculty with Profs Ian Davies and Esmonde Corbet, I was familiar with both the Faculty and the Hong Kong context. Furthermore, I subsequently conducted several joint research projects with the Faculty as a result of the sabbatical. Since my term at the University of Berne was coming to an end in January of this year, it was a logical decision to apply for the post, and I am delighted to join the Faculty.

What do you hope to accomplish at HKU?
During my entire academic life, education and research have been my two priorities. I am very happy that in my new environment I can continue achieving this goal.

The Faculty’s existing MSc in Implant Dentistry will now be supplemented with a new 3-year full-time postgraduate programme leading to the MDS in Implant Dentistry. It will use a comprehensive approach to patient treatment and will provide opportunities to perform clinical research leading to a publishable thesis or research paper. My goals for the next 3 years are ambitious: to educate and train eight local dentists per year to the level of competence needed to manage straightforward to advanced cases, as well as three to four international and Hong Kong postgraduate students to the level of competence needed to master complex cases. We want our Implantology programmes to soon become recognised as the most important curriculum in the Asia-Pacific region.

New Degree Programme —
Master of Dental Surgery in Implant Dentistry

Starting from academic year 2008-09, The University of Hong Kong will offer a 3-year full-time programme leading to the award of the MDS (Implant Dentistry) degree. The programme is designed to enable practising dentists to acquire advanced clinical training in implant dentistry as a contemporary component of comprehensive dental care.

For more information, please visit <www.facdenthk.org>.

Applications for the 2009 intake are open to local and international students; interested applicants should e-mail Prof NP Lang at <nplang@dial.eunet.ch>.
Endodontic practice in Hong Kong

By Gary Cheung and Robert Ng

Although endodontic treatment may be carried out by most general dental practitioners, it is considered a specialty in many parts of the world, including in Hong Kong. Currently, 10 specialists in endodontics are registered with the Dental Council of Hong Kong (DCHK) and serve the dental profession and the population of Hong Kong. What do these specialists do, and what does it take to enter this profession?

Endodontics is a challenging and rewarding career. It is concerned with preventing and managing diseases of the tooth pulp and roots. During typical treatment, the root canals are cleaned, prepared into an optimal shape, and filled with an obturation material.

To keep or replace?
Properly performed, primary root canal treatment enjoys a high rate of success, of more than 90% in general. This treatment is favoured by many dentists and patients as a way of keeping natural teeth in the arch.

Re-treatment of a tooth in which root canal treatment has failed has a lower chance of success, because of pre-existing complicating factors such as a ledge or perforation, or procedural complications that make it difficult to properly clean the entire root canal. Long-standing infections, in which bacteria permeate into dentinal tubules and any recessed areas of the root canal, also make complete eradication of microorganisms difficult.

In cases of failed root canal treatment, the decision of whether treatment should be repeated and the tooth recrowned, or the tooth extracted and later replaced with an implant is likely to be influenced by a multitude of factors, including cost, treatment duration, perceived value of the tooth, and cultural beliefs. The perceived (merit-based) chance of success should be communicated to the patient, who should be the final decision-maker.

Becoming an endodontist in Hong Kong
To become a registered specialist in endodontics, a dentist has to fulfil a total of 6 years’ worth of training, as stipulated by the College of Dental Surgeons of Hong Kong (CDSHK). This pathway is divided into two parts: 4 years of basic training and 2 years of higher training.

The first year of basic training could be spent practising general dentistry full-time in approved practices and accumulating at least 30 points from DCHK-approved continuing education courses. The remaining 3 years of basic training must be spent in an institute, such as the HKU Faculty of Dentistry, studying taught postgraduate programmes in Endodontics. The Faculty currently offers two such programmes: a 2-year full-time Master of Dental Surgery in Endodontics, followed by a 1-year full-time (or 2-year part-time) Advanced Diploma in Endodontics.

At the end of basic training, trainees are expected to have an in-depth knowledge of endodontology and be competent in carrying out advanced endodontic procedures. In addition, they are expected to possess comprehensive knowledge in all aspects of restorative dentistry and be able to make diagnoses, plan treatment, and perform restorative treatment. On completion of basic training, trainees will have to sit and pass the CDSHK Intermediate Examination, which is held conjointly with the Examination for Membership in Restorative Dentistry of the Royal College of Surgeons of Edinburgh (MRD RCSEd), before moving onto 2 years of higher training.

Higher training is spent in either an approved institute or an approved independent practice with weekly attachment to an approved institute. Trainees will further enhance their clinical skills and build up experience by treating a range of complex endodontic problems. A trainer is assigned to each trainee to provide guidance and advice, and to ensure all the requirements of the higher training pathway are fulfilled. Then, the trainee will have to sit and pass the Specialty Exit Examination in Endodontics before being eligible for registration with the DCHK as a specialist.

Dr Gary SP Cheung (e-mail: <spcheung@hkusua.hku.hk>) is Associate Professor in Endodontics at the HKU Faculty of Dentistry and Dr Robert PY Ng (e-mail: <rpyng@hkucc.hku.hk>) is an endodontics specialist in private practice, President of the Hong Kong Endodontic Society, and a part-time teacher to postgraduates at the HKU Faculty of Dentistry. More information on the Faculty’s postgraduate courses can be found at <www.facdenthk.org>.
The Faculty of Dentistry, The University of Hong Kong, offers a wide range of research and taught postgraduate programmes, organised by internationally renowned staff. Applications for 2009-2010 course enrolment are now being accepted. Broaden your horizons and register today at <www.facdenthk.org>.

For more information, please contact Ms Betty Lo, E-mail: bshlo@hkucc.hku.hk

**Conjoint International Postgraduate Programme in Periodontology**

The first international postgraduate programme in clinical dentistry/medicine in mainland China

- Leads to the prestigious HKU Master of Dental Surgery (MDS Perio) and PKU certificate
- Uses English as the medium of instruction; students from all over the world can apply
- World-class faculty team from HKU, PKU, and 7 top dental schools in USA, Europe, and Australia
- Tailor-made training centre in Beijing, close to Olympic Games National Stadium and metro

**Enquiries:**

Prof LJ Jin, HKU: E-mail, ljjin@hkusua.hku.hk
Prof CF Cao, PKU: E-mail, kqcfcao@bjmu.edu.cn

**Weekly words of wisdom on Wednesdays**

Log onto <www.facdenthk.org/cme> to check out the Programme & Speaker Highlights for the 2008-2009 Season of our Oral Health & Science Seminars, and to enjoy special online registration rates

**Date:** Wednesdays*
**Time:** 6.00 pm – 7.30 pm
**Venue:** Lecture Theatre I, PPDH

5th Jubilee Special Offer! — Get a Season Ticket for only HK$888 for dentists and HK$388 for auxiliary staff; apply online today at <www.facdenthk.org/cme>

*Additional seminars are often held on other days too; please check the website for details; seminars are CME accredited

**Oral Health & Science Seminars**

Log onto <www.facdenthk.org/cme> to check out the Programme & Speaker Highlights for the 2008-2009 Season of our Oral Health & Science Seminars, and to enjoy special online registration rates

**Date:** Wednesdays*
**Time:** 6.00 pm – 7.30 pm
**Venue:** Lecture Theatre I, PPDH

5th Jubilee Special Offer! — Get a Season Ticket for only HK$888 for dentists and HK$388 for auxiliary staff; apply online today at <www.facdenthk.org/cme>

*Additional seminars are often held on other days too; please check the website for details; seminars are CME accredited

**World-class Postgraduate Dental Programmes in Asia’s World City**

The first international postgraduate programme in clinical dentistry/medicine in mainland China

- Leads to the prestigious HKU Master of Dental Surgery (MDS Perio) and PKU certificate
- Uses English as the medium of instruction; students from all over the world can apply
- World-class faculty team from HKU, PKU, and 7 top dental schools in USA, Europe, and Australia
- Tailor-made training centre in Beijing, close to Olympic Games National Stadium and metro

**Enquiries:**

Prof LJ Jin, HKU: E-mail, ljjin@hkusua.hku.hk
Prof CF Cao, PKU: E-mail, kqcfcao@bjmu.edu.cn

**Conjoint International Postgraduate Programme in Periodontology**

The first international postgraduate programme in clinical dentistry/medicine in mainland China

- Leads to the prestigious HKU Master of Dental Surgery (MDS Perio) and PKU certificate
- Uses English as the medium of instruction; students from all over the world can apply
- World-class faculty team from HKU, PKU, and 7 top dental schools in USA, Europe, and Australia
- Tailor-made training centre in Beijing, close to Olympic Games National Stadium and metro

**Check it out!**

<www.facdenthk.org/postgraduate_prospectus.htm#mdsper2>

**5th Jubilee Special Offer!** — Get **A Season Ticket** for only HK$888 for dentists and HK$388 for auxiliary staff; apply online today at <www.facdenthk.org/cme>

*Additional seminars are often held on other days too; please check the website for details; seminars are CME accredited

**World-class Postgraduate Dental Programmes in Asia’s World City**

The Faculty of Dentistry, The University of Hong Kong, offers a wide range of research and taught postgraduate programmes, organised by internationally renowned staff. Applications for 2009-2010 course enrolment are now being accepted. Broaden your horizons and register today at <www.facdenthk.org>.

For more information, please contact Ms Betty Lo, E-mail: bshlo@hkucc.hku.hk

**Weekly words of wisdom on Wednesdays**

Log onto <www.facdenthk.org/cme> to check out the Programme & Speaker Highlights for the 2008-2009 Season of our Oral Health & Science Seminars, and to enjoy special online registration rates

**Date:** Wednesdays*
**Time:** 6.00 pm – 7.30 pm
**Venue:** Lecture Theatre I, PPDH

5th Jubilee Special Offer! — Get **A Season Ticket** for only HK$888 for dentists and HK$388 for auxiliary staff; apply online today at <www.facdenthk.org/cme>

*Additional seminars are often held on other days too; please check the website for details; seminars are CME accredited

**Oral Health & Science Seminars**

Log onto <www.facdenthk.org/cme> to check out the Programme & Speaker Highlights for the 2008-2009 Season of our Oral Health & Science Seminars, and to enjoy special online registration rates

**Date:** Wednesdays*
**Time:** 6.00 pm – 7.30 pm
**Venue:** Lecture Theatre I, PPDH

5th Jubilee Special Offer! — Get **A Season Ticket** for only HK$888 for dentists and HK$388 for auxiliary staff; apply online today at <www.facdenthk.org/cme>

*Additional seminars are often held on other days too; please check the website for details; seminars are CME accredited

**World-class Postgraduate Dental Programmes in Asia’s World City**

The Faculty of Dentistry, The University of Hong Kong, offers a wide range of research and taught postgraduate programmes, organised by internationally renowned staff. Applications for 2009-2010 course enrolment are now being accepted. Broaden your horizons and register today at <www.facdenthk.org>.

For more information, please contact Ms Betty Lo, E-mail: bshlo@hkucc.hku.hk
Inside endodontics

By Gary Cheung

Endodontists commonly treat teeth that contain infected pulp by removing debris and tissue remnants from inside the tooth, sterilising the empty pulp chamber and root canals, and filling the space with a plastic material. Many technological advances have been introduced in endodontic treatment to visualise the inside of teeth and to clean and fill the pulpal spaces.

More than a century ago, the standard method of treating toothache was to pull the tooth out. Then came the practice of removing the pulp tissue to eliminate the pain and then filling the pulpal space with gutta percha, a natural tree product introduced in the late 19th century. This early form of endodontic treatment was performed as a “blind” procedure and relied heavily on the tactile sense of the operator, as no apparatus was available to visualise the interior of the tooth.

Getting the picture
Radiography (X-ray photography) was the first pair of “eyes” that endodontists used to visualise the internal contour of the tooth. This tool soon became indispensable and its use is today regarded as standard endodontic practice. However, radiographic assessments have shown that the success rate of root canal treatment has remained relatively static over the years, at about 66% to 94%, depending on the pre-existing condition. The main predictor of success is likely to be the absence of microorganisms and prevention of (re)contamination of the root canal, whereas the single-most important predictor of treatment failure is the presence of a large radiolucent (transparent) area on an X-ray film near the root tip, which indicates a long-standing infection in the pulpal space.

Clean sweep
Cleaning out the pulpal space and roots thoroughly can be challenging. The inner spaces of the crown and roots are not like simple glass tubes and are actually intricate compartments. Teeth with single roots have recessed areas in the root chamber, and multirooted teeth have fine branches between the root canals. Moreover, the internal shape of the pulpal space can change with age and in response to caries and tooth wear.

The pulp is also encased by dentine, which is a “porous” material that can harbour bacteria within dentinal tubules. Eliminating microorganisms from the root completely thus requires adequate removal of dentine and some of the root canal wall, as well as the use of a disinfectant solution as an irrigant and an antiseptic dressing. Thanks to the introduction of nickel-titanium filing instruments, root canals can be enlarged quickly (and with a very low risk of procedural error) thereby allowing the irrigant solution to have maximal reach and effect. The action of the irrigant may be enhanced further by agitating it with an ultrasonic device.

Enlightening
Properly prepared root canals should look smooth and their walls should be free of debris and particles. Because radiography cannot be used to ensure complete cleaning of the root canal before filling, endodontists have been looking for a good inspection method.

The operating microscope was first used in clinical endodontics in the late 1980s for apicectomy (surgical removal of the root tip to eliminate infection), and it later became more applicable and invaluable in providing real-time visualisation of the root canal space in non-surgical root canal treatment. This type of microscope allows endodontists not only to precisely locate various canal structures but also to thoroughly check for canal cleanliness. In addition, fine structures, such as the mesiolingual (commonly known as the MB2) canal can be seen readily in the upper first molars, and other foreign materials can be easily detected, such as any piece of fractured endodontic instrument lodged within the canal.

Aided by the operating microscope, both surgical and non-surgical endodontic treatment can be performed to a higher precision than before. A higher success rate, especially for surgical treatment, has also been reported.

Dr Gary SP Cheung (e-mail: <spcheung@hkusua.hku.hk>) is Associate Professor in Endodontics at the HKU Faculty of Dentistry; references are available on request.
Dr Ricky WK Wong, Associate Professor in Orthodontics (pictured left), has been awarded the Faculty Research Output Prize 2008 in recognition of research excellence in the Faculty and HKU. The University bestows only 10 such prizes annually, for each of the constituent faculties, to honour the lead author of a high-quality research article published in the previous year. Dr Wong and his co-author Prof Bakr Rabie, Professor in Orthodontics, had published a paper in the journal Osteoarthritis and Cartilage showing the positive effect of the plant compound puerarin on local bone formation in rabbits when used in combination with collagen. The researchers concluded that the compound, extracted from Pueraria lobata—known as Gegen in traditional Chinese medicine—could be "used for bone grafting or for bone induction often required in surgery". [Osteoarthritis and Cartilage 2007;15:894-9.]

Prof Lakshman Samaranayake, Chair Professor of Microbiology, was the principal author, with Dr Michael Huber and Dr Spencer Redding, of a chapter titled “Infectious diseases” in the 11th edition of Burket’s Oral Medicine, considered the “bible” of this discipline (ISBN, 978-1550093452; publisher website: <www.bcdecker.com>).

Dr Li-wu Zheng, Postdoctoral Fellow in Oral and Maxillofacial Surgery, has been awarded CHF114,200 (about HK$835,000) by the AO Research Fund of the AO Foundation (Switzerland) to conduct the research project “Shall we rewrite the distraction protocol for continuous distraction osteogenesis?” with Prof Lim K Cheung.

Dr Kevin HK Yip, Associate Professor in Family Dentistry, has received a 2008 Listerine Research Award of US$31,820 from Johnson and Johnson to conduct a research project titled “The role of cariogenic bacteria of oral biofilm in coronary heart disease”, with co-researchers Prof Herbert HP Fang (HKU Faculty of Engineering), Prof Hui Chen (School of Stomatology, Zhejiang University), and Prof Jian-hua Zhu (Department of Internal Cardiology, Zhejiang University).

Dr Ricky WK Wong, Associate Professor in Orthodontics, and Prof Bakr Rabie, Professor in Orthodontics, have published a chapter titled “Herbal drug research on bone regeneration” in the book Chinese Herbal Drug Research Trends (ISBN, 1-60021-928-4; publisher website: <www.novapublishers.com>).

Prof Lim K Cheung, Chair Professor of Oral and Maxillofacial Surgery, has been appointed to the Editorial Board of the International Journal of Dentistry, a new peer-reviewed open access journal (website, <www.hindawi.com/journals/ijd>).

Prof Lim K Cheung, Chair Professor of Oral and Maxillofacial Surgery, Dr Rory Watt, Assistant Professor in Oral Biosciences, Dr Kevin HK Yip, Associate Professor in Family Dentistry, and Dr Katherine CM Leung, Assistant Professor in Oral Rehabilitation, were awarded General Research Fund 2008-2009 grants from the Hong Kong Research Grants Council in July 2008.

Dr Jayampath Seneviratne, (Postdoctoral Fellow, pictured left) won the IADR/Colgate Research in Prevention Travel Award at the International Association for Dental Research Scientific Meeting, Toronto, Canada, in July 2008.

The following staff members were elected to various posts in the International Association for Dental Research (IADR) in July 2008: Prof Lakshman Samaranayake, Chair, IADR Awards Review Committee, and President, Oral Medicine and Pathology Scientific Group; Prof Anne McMillan, Member, IADR Constitution Committee; Prof Colman McGrath, Councilor, Behavioral, Epidemiologic and Health Services Research Scientific Group. In addition, Prof Li-jian Jin was recently appointed as Councilor, IADR South-East Asia Division.

Prof Urban Hägg, Chair Professor of Orthodontics, was elected as Vice President of the Asian-Pacific Orthodontic Society at the 6th Asian-Pacific Orthodontic Conference held in Bangkok, Thailand, in March 2008.
Helping orphans in China
By Polly Fung

Since entering secondary school, I have been actively involved in voluntary services to help the underprivileged, and I had been looking for an opportunity to do this while studying for my BDS. This chance came last year, when I joined the Hong Kong Alliance Against AIDS. After a round of competitive selection, I was chosen as one of 16 HKU students to do voluntary work for the China HIV/AIDS Awareness Project 2007-08 in Henan Province. Our trip, which took place from 23 June to 7 July 2008, aimed at bringing hope, education, and supplies to orphans affected by HIV/AIDS.

I volunteered to prepare some lessons on dental health, using an oral hygiene instruction model borrowed from the Faculty to illustrate good tooth brushing technique, as well as handouts on tooth decay and preventive measures. Stories and worksheets from the Oral Health Education Unit website, www.toothclub.gov.hk, helped to increase interactivity during the lesson. The children, who had lacked knowledge of even basic oral health care techniques, found these materials interesting and were attentive and enthusiastic in class. In addition, the toothbrushes and tubes of toothpaste donated by Colgate were well received by the class.

The experience strengthened my desire to promote oral health care among the underprivileged, and I hope that I will have the opportunity to serve the orphans of Henan again in the future in a professional capacity.

Polly PL Fung (e-mail: fpoklam@yahoo.com) is a BDS V student at the HKU Faculty of Dentistry.

First bite of the Big Apple
By Meier Tai

I was very honoured to be nominated by the Faculty to join the 2008 Global Citizenship Programme—an educational tour of New York, USA, in June 2008, that was initiated by the Dragon Foundation and managed by the US International Institute of Education.

The 8-day New York programme, themed “Ethics, Creativity, and Innovation”, aimed to provide an opportunity for participants to understand better the meaning of globalisation and to acquire skills and knowledge to be effective global citizens. Our delegation consisted of 30 students from local universities, and our Delegation Leader was Mrs Fanny Chiu-fun Law Fan, GBS, JP (left in bottom photo). We visited famous landmarks, such as the United Nations, and held discussions on ethical issues with experts from the media, technology, and financial sectors in New York. On the last day of the tour, we gave a presentation to solve a specific problem using ideas and thoughts inspired by the trip.

This was my first time in the USA, and it was eye-opening. I also made many good friends. By working and having fun together, we learnt a lot from each other. It was really a rewarding and memorable experience, and I thank the Faculty for giving me the chance to take part in this exciting programme.

Meier TC Tai (e-mail: meier.tai@gmail.com) is a BDS V student at the HKU Faculty of Dentistry.
And of course there are quite a number of alumni who still manage to build a family, or obtain additional qualifications, degrees, diplomas, and advanced diplomas through devoted study here or abroad. The postgraduate courses in Hong Kong run by the Faculty are internationally recognised and are part of the eight specialist training pathways in Hong Kong. Notably, implant dentistry seems to have had an evolutionary impact on the whole industry, and will certainly encourage investment, which may lead to a significant growth of the private dental sector.

Your future is our future

The HKUDAA has always aimed at offering a platform for communication, information exchange, and value-added services for its members. Other than academic and continuing education programmes and annual favourites such as the BDS Careers Talk, we are planning to introduce a series of interesting professional forums and gatherings both within and outside the industry, so as to arouse enthusiasm among our graduates and increase camaraderie and participation in the HKUDAA. This year, it is exciting to see that experienced council members, specialists, and young energetic graduates alike are all devoted to organising these types of events for the coming year.

I sincerely hope that a strong bond will be established between our graduates, undergraduates, and the HKUDAA. And I sincerely wish our alumni a fruitful year and a prosperous career.
Yes, I would like to make a gift to the HKU Faculty of Dentistry

Title: ☐ Dr / ☐ Mr / ☐ Mrs / ☐ Miss / ☐ Ms
Surname: ___________________________ Given names: ___________________________
Address: _____________________________________________________________
Tel: __________________ Fax: __________________ E-mail: ______________________

I wish to donate a:
☐ One-time gift of ☐ HK$500 / ☐ HK$1000 / ☐ HK$2000 / ☐ HK$5000 / ☐ Other: HK$_________ / ☐ Other currency: __________________________
☐ Monthly gift of ☐ HK$50 / ☐ HK$100 / ☐ HK$300 / ☐ HK$500 / ☐ Other: HK$_________ / ☐ Other currency: __________________________

to ☐ The Dean’s Development Fund for Excellence / ☐ the following use: ______________________________________________________________

I am ☐ an HKU alumnus/a; year of graduation ________; faculty: ______________________ / ☐ HKU student; faculty: ________________________, so my gift is eligible for matching through the Stanley Ho Alumni Challenge
☐ I wish to remain anonymous on donors’ lists
☐ I would also like to know about other ways of supporting the HKU Faculty of Dentistry (endowments, insurance, estates, stocks, bonds, bequests)

Notes: Donations are cumulative and donors of over HK$20,000 will be eligible for HKU Foundation membership; receipts will be issued for donations of HK$100 or more for tax deduction purposes; donations from the US and Canada are entitled to tax deductions and will also count towards eligibility for HKU Foundation membership; for donations from the US, please visit the Friends of HKU website: <http://usfriends.hku.hk>.

Payment method (please tick one; monthly donations may be made only by autopay or credit card):
☐ Autopay (please fill in the Direct Debit Authorisation Form below)
☐ Cheque (please make cheque/money order payable to The University of Hong Kong)
☐ Credit card (for monthly gifts, monthly donations will continue until written notice):
☐ VISA / ☐ MasterCard Card No.: ____________________________________________ Expiry date (MM/YY): _____________
Cardholder’s name: _____________________________________________________________________________________________________
Signature: ______________________________________________________________________ Date: ____________________________

☐ Direct transfer (please choose one of these two accounts for The University of Hong Kong and send us the original bank deposit receipt or the online transfer acknowledgement with this form)
☐ HSBC: 004-502-403421-001 ☐ Bank of East Asia: 015-176-25-00683-0

DIRECT DEBIT AUTHORISATION FOR MONTHLY DONATION BY AUTOPAY

Name of party to be credited (The Beneficiary): The University of Hong Kong
My/Our Bank Name/No.: _______________________________________________________
Account No.: ___________________________ Name recorded on Statement/Passbook: ___________________________ Date: _____________
My/Our Signature(s) (as signed for Bank Account): ____________________________________________________________
Donor Reference (optional): ____________________________________________________________ Limit for Each Payment (optional): __________________________
For Bank Use Only: ______ Bank No. ______ Branch No. ______ Account No. to be credited 0 1 5 1 7 0 2 5 0 0 8 8 3 0

1. We hereby authorise my/our above named Bank to effect transfers from my/our account to that of the above named beneficiary in accordance with such instructions as my/our Bank may receive from the beneficiary from time to time. 2. We agree that my/our Bank shall not be obliged to ascertain or not notice of any such transfer has been given to me/us. 3. We jointly and severally accept full responsibility for any overdraft (or increase in existing overdraft) on my/our account which may arise as a result of any such transfer(s). 4. We agree that should there be insufficient funds in my/our account to meet any transfer hereby authorised, my/our Bank shall be entitled, in its discretion, not to effect such transfer in which event the Bank may make the usual charge and that it may cancel this authorisation at any time on one week’s written notice. 5. This authorisation shall have effect until further notice. 6. We agree that any notice of cancellation or variation of this authorisation which I/we may give to my/our Bank shall be given at least two working days prior to the date on which such cancellation/variation is to take effect.

Please complete and return this donation form (photocopies are acceptable) to:
The Secretariat, HKU Faculty of Dentistry, Prince Philip Dental Hospital, 34 Hospital Road, Hong Kong
Remember to complete all necessary information, enclose all necessary materials, and give as generously as you can. You can also make a gift online at <www.hku.hk/giving>.

THANK YOU FOR YOUR SUPPORT!
Guide to root canal therapy

♦ What is root canal (endodontic) therapy?
♦ What is the procedure?
♦ Tips for healthy teeth and gums

What is root canal (endodontic) therapy?

The inside of a tooth contains living, dental pulp, which consists of blood vessels, nerves, and connective tissue. The pulp is housed in the pulp chamber in the top portion (crown) of the tooth, and in one or more root canals in the root/s.

A tooth that has infected, injured, or dead pulp can be saved by root canal therapy, which is performed by dentists and specialists called endodontists. All of the pulpal tissue is removed, the pulp chamber and root canal/s are cleaned, and the pulp is replaced with a filling material. Without treatment, infected pulp leads to the build-up of pus (an abscess) in the bone at the root tip, causing pain, swelling, and eventually bone damage and tooth loss. Badly damaged or decayed teeth may need to be extracted.

What is the procedure?

Usually, more than one dental visit is needed. The typical procedure in root canal therapy is as follows (see Box):

1. The most common cause of pulp injury/infection is a cracked tooth or deep decay. Your dentist or endodontist will first examine your teeth and gums, take X-ray photos, and discuss treatment options.

2. After a local anaesthetic is given, a hole is made in the crown of the tooth to access the pulp chamber.

3. The pulp is removed from the pulp chamber and root canal/s, which are then cleaned, disinfected, enlarged, and shaped. Certain drugs can be applied or prescribed to help eliminate infection. A temporary filling is placed in the tooth.

4. At the next visit, the temporary filling is removed and replaced by the permanent filling, which fills and seals the root canal/s and pulp chamber; metal or plastic rods may also be inserted to help support the roots. If needed, the final step is the placement of an artificial crown.

Tips for healthy teeth and gums

Teeth restored by root canal therapy can last a long time as long as the roots are kept healthy and nourished by their surrounding tissues; so, good care of teeth and gums and regular dental check-ups are important. Visit a dentist if you have toothache, pain when biting, gum swelling or pus, or sensitive, broken, cracked, or discoloured teeth. Also see your dentist if a filling feels loose or falls out, or if you are undergoing root canal therapy and the temporary filling falls out between visits.

To keep your teeth and gums healthy, maintain good oral hygiene at home by brushing at least twice a day with fluoride toothpaste and flossing once a day. Visit your dentist regularly. Deep grooves in back teeth are prone to dental decay, but they can be protected with a fissure sealant applied by your dentist.


Written by Trevor Lane, DPhil; edited by Gary SP Cheung, FHKAM (Dent Surg), FCDSHK (Endo). This Patient Page is for general informational use and is not a substitute for diagnosis; for specific advice, please consult a dentist.
There’s one thing to remember...

Only triclosan, the key ingredient in Colgate Total®, is proven to fight gingival inflammation\textsuperscript{2,3} in 2 important ways\textsuperscript{4,5}

- Provides 12-hour antibacterial action\textsuperscript{4}—helps prevent bacterial plaque formation that leads to gingival inflammation
- Inhibits potent mediators responsible for gingival inflammation\textsuperscript{6}

\textbf{Up to 98\% More Plaque Reduction\textsuperscript{2,3}; up to 88\% More Gingivitis Reduction\textsuperscript{2,3}}

The unique triclosan copolymer formulation provides dual antibacterial/anti-inflammatory action. No other toothpaste can provide the protection of Colgate Total®.

12-Hour Antibacterial plus Anti-inflammatory Protection

\textsuperscript{1} gingivitis.  
\textsuperscript{2} vs. ordinary fluoride toothpaste.  
\textsuperscript{3} stimulated by 300 pg/ml IL-16 in vitro.


www.colgateprofessional.com

©2005 Colgate-Palmolive Company
Advertisement
PART 1
Can biofilms kill you or your patients?
Lakshman Samaranayake,
Dean, Faculty of Dentistry, the University of Hong Kong

PART 2
Periodontal infections, systemic inflammation and atherosclerotic vascular diseases
Li-jian Jin,
Professor, Faculty of Dentistry, the University of Hong Kong

PART 3
The role of cariogenic microorganisms in systemic health and diseases
Kevin HK Yip,
Associate Professor, Faculty of Dentistry, the University of Hong Kong

PART 4
Update on the over-the-counter topical fluoride products
Edward CM Lo,
Professor, Faculty of Dentistry, the University of Hong Kong

Time: 6:00pm-7:30pm (Wednesday)
Venue: Lecture Theater 1, The Prince Philip Dental Hospital
Registration: 1 Visit www.facdent.hk/cme for enrolment
   • $888 for season ticket
   • $250 for individual seminar
2 Send cheque to Mr. Winslow Wong, PPDH, 34 Hospital Road, Sai Ying Pun, HK.
   Cheque should be crossed and made payable to "The Prince Philip Dental Hospital".
   • $888 for season ticket
   • $250 for individual seminar
3 On-site registration
   • $300 for individual seminar
Participants: Dentist / hygienist / under and post graduate dental student / dental surgery assistant
CME credit: 1.5 each for HKDA and CDHK
Remarks: Souvenir provided for participants

For further information, please contact Mr. Winslow S.F. Wong, PPDH CME coordinator, at 2859 0237.

Organizer: Faculty of Dentistry, The University of Hong Kong
Sponsor: LISTERINE®