

FACULTY OF
DENTISTRY

Annual Review 12/13

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Vision

To be a dental institution of international distinction

Mission

Improve oral health through academic excellence, high impact research and quality clinical service

Dean's Message



Education continues to be our strength. In AY2012, faculty members continue to implement new pedagogies and education technology which will engage students better and enhance their learning. A revised communications module was implemented to engage students leveraging on experiential learning from year 1 through to their clinical years.

Building international collaborations in education and research, the Faculty signed an MOU with Zhejiang University for graduate students and staff exchange for clinical training and research.

Research in the Faculty focussed on the oral-systemic link at molecular, tissue, individual, and population levels, to unravel the complex oral-systemic interaction/issues. We hope to be able to translate the pathogenic mechanisms into point-of-care technology platforms for oral/systemic disease diagnosis, prevention, surveillance, and treatment.

We continue to modestly grow in critical mass with returning scholars in Paediatric Dentistry, Periodontics and academics in Dental Public Health and Microbiology. Recruitment and retention of talent continues to be a priority for the Faculty as we work towards building both the infrastructure and talent pool for the new Centre for Oral Health.

Associate Professor Grace Ong
Dean



From Left to Right

1

A/P Cao Tong
Vice Dean Research

2

Dr Asher Lim
Vice Dean Clinical
Affairs / Clinical Director

3

A/P Grace Ong
Dean / Chair, Dental
Cluster

4

A/P Kelvin Foong
Vice Dean Academic
Affairs

5

Dr Betty Mok
Assistant Dean,
Education

Board Members



From Left to Right

Front Row

- 1 **Dr Betty Mok**
Assistant Dean, Education
- 2 **A/P Grace Ong**
Dean/Chair, Dental Cluster
- 3 **A/P Lim Lum Peng**
Discipline Director, Periodontics
- 4 **A/P Jennifer Neo**
Director, Division of Graduate Dental Studies &
Discipline Director, Endodontics,
Operative Dentistry & Prosthodontics

Back Row

- 1 **A/P Cao Tong**
Vice Dean Research &
Discipline Director, Oral Sciences
- 2 **Dr Asher Lim**
Vice Dean Clinical Affairs/Clinical Director &
Discipline Director, Oral & Maxillofacial Surgery
- 3 **A/P Kelvin Foong**
Vice Dean Academic Affairs &
Discipline Director, Orthodontics &
Paediatric Dentistry

EDUCATION

Dr Soh Shean Han

(Bachelor of Dental Surgery, Hons) – Class of 2012

It has been 12 years since the Faculty of Dentistry conferred the Honours degree in year 2000. The Faculty announced its 7th graduate with the Honours Degree, Dr Soh Shean Han. Dr Soh shares her experience as a dental undergraduate.

The four years I spent in NUS Faculty of Dentistry were arduous but fulfilling. I faced constant challenges from pre-clinical sessions, lectures, seminars, tutorials, clinics, examinations and the schedule of clinical requirements. Adding to these, were the frustration and disappointment of countless “re-dos” and patients’ “no-shows”. But I overcame all these hurdles with the encouragement and camaraderie of seniors and fellow classmates, and the dedication of faculty and teaching staff members. The occasional gratitude and compliments from my patients boosted my confidence and gave me the motivation to perform better. Undoubtedly, these four years were wrought with difficulties but the people who walked with me through this journey made it a pleasant one.

While academics and clinics were priorities, I also found time to serve in a plethora of positions in class, in dental societies locally and regionally, and in organizing community dental screenings. Albeit added responsibilities, I also saw them as opportunities that enriched my dental life and allowed me to forge closer ties with individuals within and beyond the dental fraternity. Striking the balance between curricular requirements and personal development was important for me.

After these four years, I fully comprehend how surviving dental school is akin to completing a marathon. Fail to prepare and be prepared to fail. One needs to do consistent work to clear professional examinations, seek out required indications early, manage patients’ expectations and attendances, collaborate well with seniors and classmates, and learn humbly from the guidance of the teaching faculty.

“The man who can drive himself further once the effort gets painful is the man who will win.” - Roger Bannister.

With passion and, more importantly, perseverance, one can overcome all obstacles, to graduate with a high degree of equanimity.



Dr Victoria Yu

NUS Annual Teaching Excellence Award

Dr Victoria Yu is an Assistant Professor and Senior Consultant in the dental speciality of Endodontics. She undertakes the leadership role for the Endodontics programme in both the undergraduate Bachelor of Dental Surgery (BDS) and postgraduate Master of Dental Surgery (MDS) programmes.

Dr Yu is an excellent teacher who is wholeheartedly committed to students’ learning. Her exemplary personal integrity and her love for learning sustain the commitment she displays towards teaching. From the well-thought out manner in which her teaching materials are prepared to the high quality and standard of instruction seen and felt by many students, Dr Yu is well respected by students and colleagues alike for her dedication to teaching. In fact, she is an inspiration to many students and the reason for the many student-nominations for Best Teaching in the last two academic years.

“Dr Yu is a dedicated teacher who constantly works towards improvement of our undergraduate programme. She is an experienced clinician who doesn’t hesitate to impart and share her wealth of knowledge and experience with her students in order for them to improve and prepare for future practice. At the same time, she trains students to not only be competent clinicians, but responsible and ethical dentists who know how to respect and treat their patients fairly. Dr Yu is a role model who walks the talk, and is a source of inspiration for young undergraduates to look up to”.

The high regard students have for Dr Yu in her role as an educator is an expression of the value she places on learning. Her teaching philosophy is that learning is a central and core principle she embodies in her personal and professional lives.



Faculty Teaching Excellence Award 2012/13

The Faculty of Dentistry held its 16th Awards Day on 8th October 2013 at the Clinical Research Centre Auditorium (MD11) to honor students, staff and academicians for excellent achievements in their respective domains.

Professor Tan Eng Chye, Deputy President (Academic Affairs) and Provost, NUS presented the Faculty Teaching Excellence Award 2012/13 to Dr Roxanna Jean Esguerra, Dr Tan Hwee Hiang, Dr Intekhab Islam, Dr Wendy Wang and Dr Cheong Kim Yan at the event.



(L-R) : Dr Roxanna Jean Esguerra, Dr Tan Hwee Hiang, Dr Intekhab Islam, Dr Wendy Wang and Dr Cheong Kim Yan

Communications in Dentistry – Revised Curriculum for Undergraduates

In line with ongoing efforts to enhance the undergraduate curriculum, the Faculty introduced a revised curriculum to help its undergraduates build strong foundations in communication skills. From July 2013, all undergraduates will be exposed to a structured curriculum on dentist-patient communications. This curriculum will span the 4 years of training and begin in the first year.

During their Foundation Course, freshmen will be given a broad overview of communications in dentistry and its relevance. In their second year, the undergraduates will have the opportunity to engage more deeply in the topic as they learn strategies, skills and techniques to effectively communicate with their patients in the clinical setting.

Such pre-clinical exposure to communications is timely and essential to prepare them for entry into clinics. A broad range of teaching pedagogies including lectures, small-group learning and role plays are used to illustrate the key principles of communications. Experiential learning is key in this communications training hence the undergraduates will have opportunities to put the theory learned into practice in the pre-clinical setting.

In their clinical years, the undergraduates will be expected to apply their pre-clinical training in communications with their patients. With the implementation of this communication skills module, the Faculty aims to train newer generations of effectively communicative dentists who will add greater value to the dentist-patient experience.



MOU Signing with Zhejiang University, PRC

On 8 October 2012, representatives from Zhejiang University comprising Professor Wang Hui Ming (Dean), Professor Fu Bai Pung (Vice-Dean) and Associate Professor Fan Li Jie (Director) visited the Faculty of Dentistry to sign an MOU. Both universities have agreed to collaborate for exchange of scientific and academic information, participation of joint academic and scientific activities, exchange of students etc.

This was followed by a short discussion with Deanery members and a tour around the Faculty's teaching, clinical service facilities at Faculty of Dentistry, National University Hospital, laboratory and DSO research facilities.



Guidelines for the Management of Medically Complex Dental Patient

Written by local dental specialists from the Faculty of Dentistry in collaboration with leading clinicians and academics from the Yong Loo Lin School of Medicine, NUS and edited by Dr Andrew Robinson and Dr Asher Lim, this guide aims to help practitioners safely manage patients with medical conditions in the dental setting.



RESEARCH

Project Title

Minimally-invasive Management of Infected Dentine using High-Intensity-Focus Ultrasound

Principal Investigator: A/P Jennifer Neo
Co-PI: Prof Khoo Boo Cheong (Faculty of Engineering), Dr Amr Fawzy
Collaborators: Dr Siew-Wan Ohl (A*Star), Dr Evert Klaseboer (A*Star)
Total Project Value: S\$84,904.99



Summary/Achievements

Whilst conventional root canal therapy is an accepted modality of treatment, attempts to improve the disinfection of the canals are always favourably encouraged. In this study, High Intensity Focused Ultrasound (HIFU) was used as one of these potential strategies.

4 phases using HIFU were setup in this project :

Phase 1: To study the effect of HIFU on *E.faecalis* planktonic suspensions. Results indicated that a bactericidal effect of HIFU was time dependent ie. a significant reduction in CFU was found with increasing HIFU exposure.

Phase 2: To study the effect of HIFU on 2-week old *E.faecalis* on glass bottom petri dish. CFU, SEM and CLSM were used to show the effects at 30, 60 and 120 seconds. A significant increase in CFU when exposed for 30 seconds to HIFU and a reduction in biofilm thickness was found with increasing exposure time of HIFU.

Phase 3: The effect of HIFU affecting biofilm on clinically relevant tooth substrates ie. root dentine disc and whole root. Results were similar to that in Phase 2. At 60 and 120 seconds, the removal effect illustrated by a significant decrease in CFU values ($p \leq 0.05$) using HIFU can be clearly seen compared to the control and this was most effective at 120 seconds. Again, there was a significant reduction in biofilm thickness with increase in exposure time.

Phase 4: Different irrigants were used with HIFU to determine the most effective synergistic combinations. The "HIFU + NaOCl" group significantly removed the biofilm and eliminated *E.faecalis* compared to the control.

The results highlighted the potential application of HIFU as a novel or additional method for the removal and bactericidal effects on *E.faecalis*. In addition, there are possibilities in its use for peri-implantitis and dentine surface treatment and root planing.

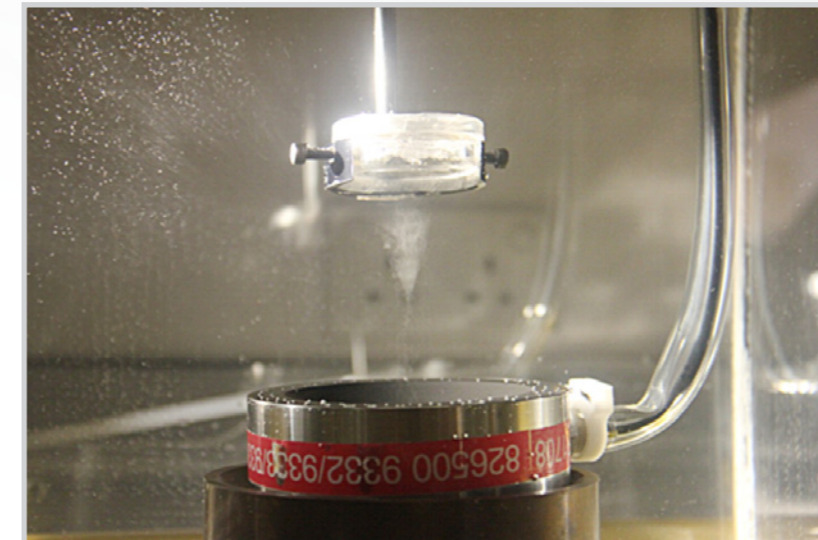


Fig 1: Pictorial representation of the petri dish exposed to HIFU waves (cylindrical shape) generated from the transducer.

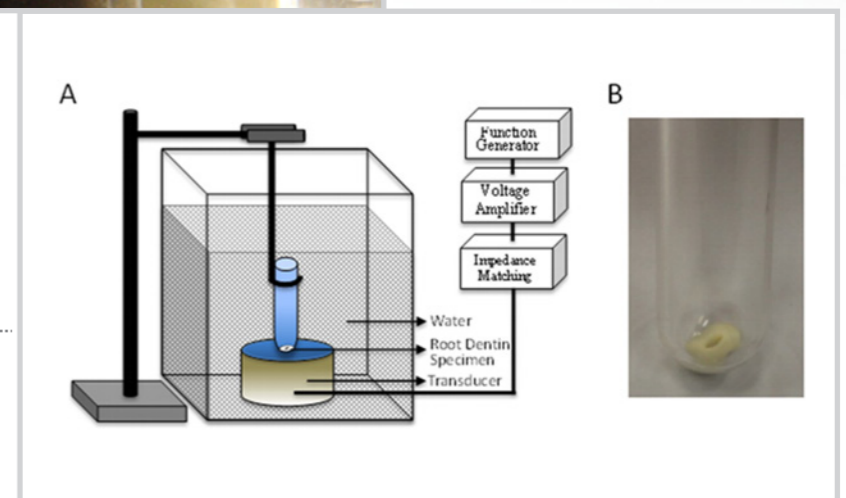


Fig 2: Pictorial representation of HIFU set up (A) for exposure to root dentine discs (B) placed in glass test tube.

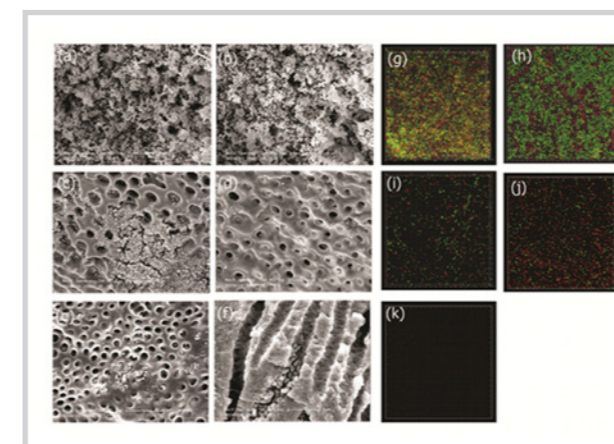


Fig 3: Selected SEM (2000X) and confocal images (60X) of HIFU exposed root dentine disc specimens.

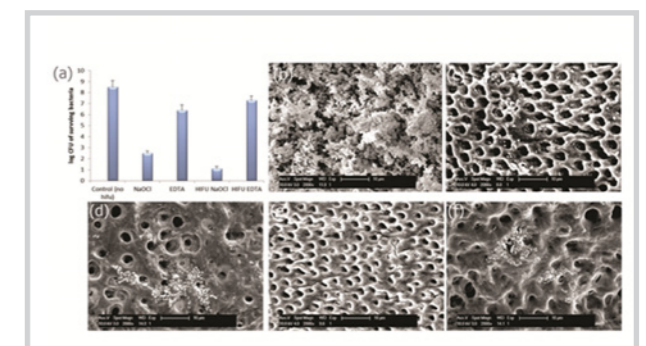


Fig 4: Means and standard deviation of the surviving log number of bacteria (CFU) collected after different HIFU exposure times on *E. faecalis*. Selected SEM images of root dentin specimens after treated with either conventional irrigation or exposed to HIFU for 120 sec with NaOCl or EDTA.

Project Title

Effect of Yakult and Laser Therapy on Preventing Enamel Demineralization around Orthodontic Brackets in a Biofilm Model

Principal Investigator: **AP Stephen Hsu**
Collaborators: **AP Lee Yuan Kun,**
(Yong Loo Lin School of Medicine)
AP Kelvin Foong
Total Project Value: **S\$121,920**



Summary/Achievements

To characterize the preventive effect of carbon dioxide laser therapy on prevention of enamel demineralization around orthodontic brackets, this study set-up a biofilm-on-tooth model and the data obtained have reached the following conclusions:

- 1) The CDC Biofilm Reactor (CBR) is suitable for producing caries-like lesions around the orthodontic brackets (Figure 1).
- 2) Prevention of demineralization around orthodontic brackets can be achieved by the carbon dioxide laser, in spite of significant difference in the heterogeneous tooth structure (Figure 2).
- 3) The use of μ CT to quantify 3-D mineral content of enamel is valid and reliable (Figure 3).

With 96% budget utilization, this grant has ended with 6 abstracts presented in the regional conference, two published journal articles (one in Journal of Dental Research and the other in Caries Research) and three research awards (2008 and 2010 NUS Outstanding Undergraduate Research Award, Singapore and Best Paper Award for "GC Asia-SEA/DE Student Prevention Program competition" in the 19th South East Asia Association for Dental Education (SEA/DE) ASM; Manila, Philippines, Oct-2008).



Fig 1: CDC Biofilm Reactor

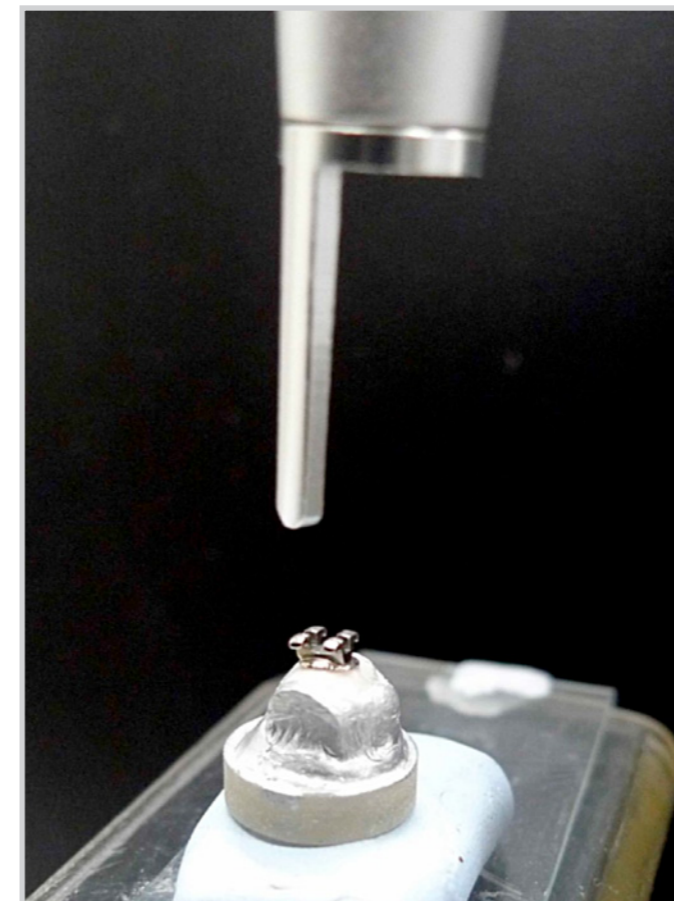


Fig 2: The in vitro set-up for laser treatment on the buccal enamel adjacent to a bracket

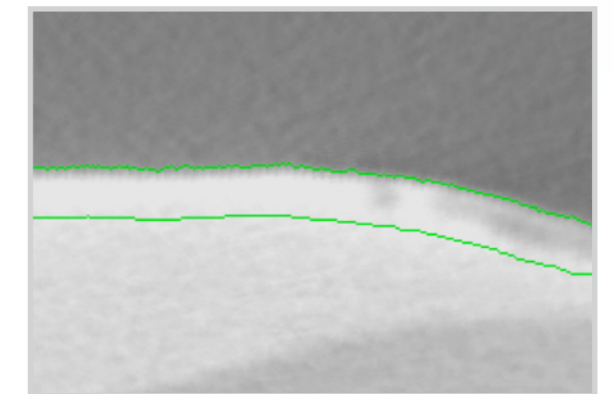


Fig 3: Micro-CT image of enamel lesions, with and without laser treatment, demonstrating the significant increase in acid resistance of irradiated enamel

Project Title

Identifying Risk of Exacerbation of Asymptomatic Persistent Endodontic Lesions and Building a Risk Assessment Model for Evidence-based Management of Asymptomatic Persistent Endodontic Lesions

Principal Investigator: **Dr Victoria Yu**
 Co-PI: **A/P Robert Yee, A/P Stephen Hsu**
 Total Project Value: **S\$104,102**



Summary/Achievements

Background: Current accepted treatment guidelines consider endodontic lesions that take more than 4 years to resolve radiographically, as diseased states where further intervention is required. Intervention usually involves increased risks of tooth loss and treatment costs. Recent evidence suggests that some of these lesions could represent various states of healing rather than disease; however the evidence is limited and based on small sample sizes.

Objectives: The project aimed to identify the incidence of pain and lesion progression among radiographic persistent endodontic lesions associated with root-filled teeth treated at one large dental centre in Singapore; as well as to identify potential risk factors that could contribute towards a risk assessment model to predict lesion progression among persistent endodontic lesions, for the purpose of comprehensive treatment planning.

Results: The risk of flare-up was low among persistent lesions and the impact of pain related to these lesions was minimal. Any discomfort experienced by patients was mostly restricted to chewing discomfort and tooth brushing. Patients' quality of life was generally good among the study cohort. A majority of the lesions continued to resolve over time. This study was able to show that a specific cut-off time for healing was not recommended. Certain clinical risk factors could be used to aid in the prognostication process so that a tailored treatment plan could be formulated for better resource management and decision-making.

On painful exacerbation: 127 patients with 185 persistent lesions were recruited. Median age of patients at recruitment was 56 years (range, 21–82 years). Median time since treatment was 5 years (range, 4–38 years). Overall incidence of flare-up (requiring an unscheduled dental visit) was only 5.8% 20 years after treatment. Less severe pain was more frequent, with a combined incidence of 45% pain at 20 years after treatment. Female patients (odds ratio [OR], 2.6; 95% confidence interval [CI], 1.2–6.0; $P < .05$), treatment involving a mandibular molar or maxillary premolar (OR, 3.7; 95% CI, 1.6–8.6; $P < .05$), and preoperative pain (OR, 2.9; 95% CI, 1.3–6.7; $P < .05$) were significantly associated with pain after treatment. The most commonly affected activities during painful exacerbations were eating and tooth brushing, with minimal impact on daily living.

Conclusions: The risk of flare-up among persistent lesions was very low. A lower degree of pain was more common, but generally with minimal impact on daily activities.

On lesion progression: 151 persistent lesions were identified in 114 patients. A majority of the lesions (107, 70.9%) received treatment between 4 and 5 years prior. Eighty-six lesions (57.0%) improved, 18 (11.9%) remained unchanged, and 47 (31.1%) deteriorated since treatment. Potential predictors for lesions that did not improve included recall lesion size, pain on biting at recall examination, history of a post obturation flare-up, and a non-ideal root filling length ($P < .05$). Lesions that had persisted for a longer period appeared less likely to be improving (relative risk, 1.038; 95% confidence interval, 1.000–1.077).

Conclusions: A specific time interval alone should not be used to conclude that a lesion will not resolve without intervention. This study identified several clinical factors that are associated with deteriorating persistent lesions, which should aid in identifying lesions that require further intervention.

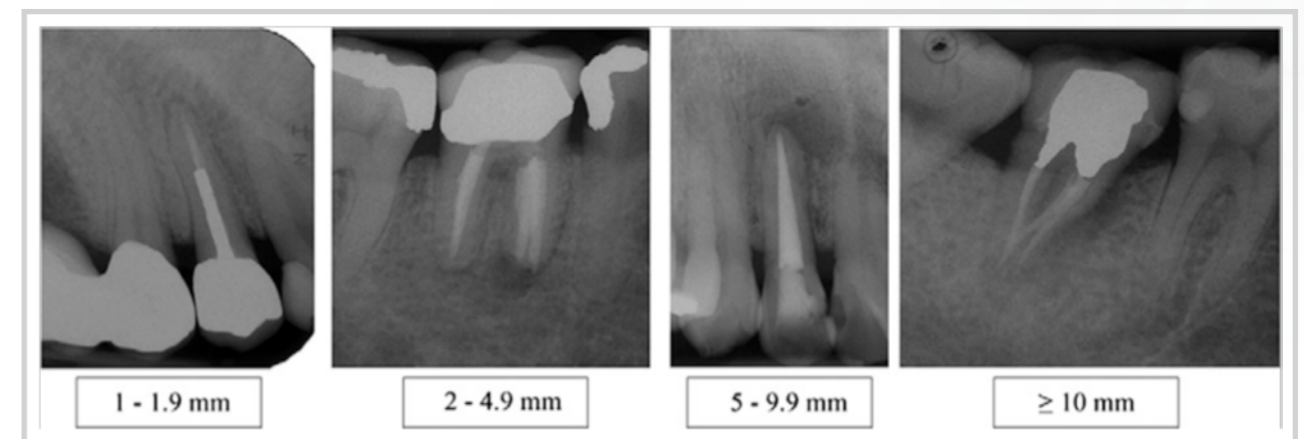


Fig 1: Examples of the 4 categories of lesion size scored at recruitment. Except for a widened periodontal ligament space (1–1.9 mm), all lesions were measured across the longest diameter of the largest lesion in the recruited tooth.

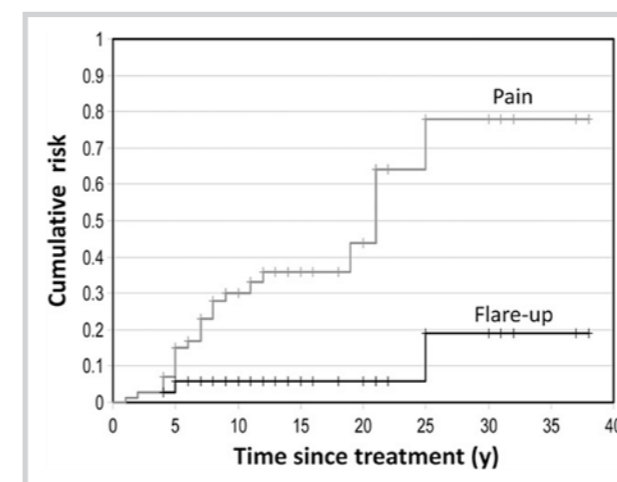


Fig 2: Kaplan-Meier analysis: the cumulative risks of a flare-up or less severe pain with an impact on daily activities over time since treatment in teeth with persistent lesions. "Pain" includes both flare-up and lesser pain. The number of teeth evaluated more than 20 years after treatment was low (13 cases). + = censored data.

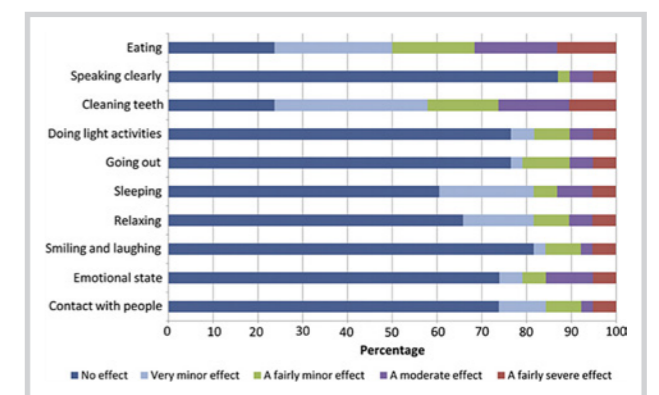


Fig 3: Distribution (%) of responses to each of the oral impact on daily activities among 38 patients reporting painful exacerbations. A large proportion of the responses were in the no effect and very minor effect categories. None of the responses scored a very severe effect to any of the activities and is therefore not represented in the figure.



CLINICS

JCI Re-accreditation 2013

The Faculty of Dentistry underwent JCI Re-accreditation, which took place from 22nd to 26th April 2013, as part of the NUHS re-audit process. This exercise had been concluded without any significant citations.

Our Scholars Return to Bring Smiles to Patients

In AY 2012/2013, the University Dental Cluster (Faculty of Dentistry and University Dental Centre) welcomed back three of its scholars from their postgraduate training in Paediatric Dentistry and Periodontics. Apart from treating patients at the NUH Dental Centre, Drs Tang Kok Siew, Sim Chien Joo and Jacinta Lu also contribute towards educating the next generation of dentists as they share their clinical experiences in their respective disciplines with the undergraduates and postgraduates in NUS. They are also actively engaged in clinical research to advance the practice of dentistry.

Dr Tang Kok Siew

Paediatric Dentistry, University of Leeds,
United Kingdom



Kok Siew looks forward to raising dental awareness among carers and parents so that children will be able to reap the benefits of good oral health in their childhood and later life.

My vision...

“To share my knowledge and clinical experiences with fellow colleagues and students so that together, the fraternity, can make a difference to the oral health of our young.”



Kok Siew with her coursemates celebrating the end of examinations at a restaurant in Leeds (2012)

“The best part about treating children is watching them grow up and sharing their life experiences with me. The interaction with the children and their families is always invaluable – it is amazing how much you can learn from them sometimes!”

Dr Sim Chien Joo

Paediatric Dentistry,
University of North Carolina at Chapel Hill



Chien Joo has a passion for children and enjoys working with them. Given that every child is different and family dynamics are unique, Chien Joo never has a dull moment at work as she thinks of different clinical management strategies to help her patients achieve the best oral health outcome.

My vision...

“More inter-disciplinary collaborations across and within the medical and dental fraternities to achieve better oral health care in clinical services and research”



Chien Joo with her fellow coursemates at the Durham County Health Department during the Give Kids a Smile Day, North Carolina, USA

“It always melts my heart when my patients give me a hug and say thank you at the end of the visit.”

Clinics

Dr Jacinta Lu

Periodontology and Implantology,
National University of Singapore



Jacinta believes that periodontics has reached an interesting state of development where the focus is not just about the control of disease and replacement of lost tissues and teeth. In fact, the perio-systemic interactions and inflammatory responses have encouraged dentists to treat patients holistically and this is what makes this speciality unique.

My vision...

"Cultivate critical thinking skills in our undergraduates so that they can provide robust evidence-informed treatment plans even in the face of advancing technologies."



Jacinta and her postgraduate classmates at the 9th Asia Pacific Society of Periodontology Meeting and ITI Education Week Hong Kong (2011)

"The most satisfying moment is to treat an apprehensive patient with a mouthful of problems and helping him/her regain a confident smile."

"Class of '76 during their homecoming visit to the faculty on 13 May 2013. It was a laughter filled occasion as they shared memories from the good old days."



ALUMNI

The George Y Soh Scholarship



Giving Back

Belief in the potential of the Faculty of Dentistry was what prompted Dr George Soh, our supportive alumni as well as former teaching staff, to make an endowed gift of \$200,000 to establish the George Y Soh Scholarship. This scholarship will support the full tuition of one academically-outstanding Final Year dental student. In case candidates have similar academic scores, the students' financial situations will be considered.

"With financial support, the recipient can focus on his or her studies, do well in the programme and go on to be successful in his or her career. I hope the recipient will in turn contribute another scholarship to the Faculty when he or she is able. In time to come, the Faculty of Dentistry will be able to nurture and sustain a pool of talented individuals for our dental fraternity." – Dr George Soh

Singapore Dental Association's Donation

In conjunction with the Singapore Dental Association's 75th Anniversary celebration this year, SDA donated S\$75,000 to the Faculty in support of the Development Fund for the Centre for Oral Health. The Faculty is grateful for the generous donation from SDA which is a boost to our fund raising efforts for the Centre for Oral Health.



Dr Kuan Chee Keong (left), President of SDA, presented a cheque of S\$75,000 to Associate Professor Grace Ong, Dean.

FOD Donations

(April 2012 ~ March 2013)

The Faculty wishes to extend our heartfelt appreciation to our generous donors who had made gifts totalling \$490,167 to the Faculty in FY 2012.

\$100,000 ~ \$249,999

- 1 Soh Yi-Wei, George

\$10,000 ~ \$49,999

- 1 Kaan Sheung Kin
- 2 Kain Orthodontics Pte Ltd
- 3 Koelnmesse Pte Ltd
- 4 Ling Sing Yew (Tham Yin Har, Felicia - Donated on behalf of Dr Ling Sing Yew)
- 5 Long Benjamin Charles
- 6 Neo Tee Khin
- 7 Newlife Dental Practice Pte Ltd
- 8 Ng Chin Siau
- 9 Ong Hui Lian, Grace
- 10 Pharmaforte Singapore Pte Ltd
- 11 Singapore Dental Association
- 12 Society of Periodontology (Singapore)

\$1,000 ~ \$9,999

- | | |
|----------------------------------|--|
| 1 Alpha Dental Pte Ltd | 16 Ng Bee Lang |
| 2 Cao Tong | 17 NPO The Mouth and Face Forum |
| 3 Dentsply (Singapore) Pte Ltd | 18 NUS Graduate Dental Implantology Alumni |
| 4 Eu Oy Chu | 19 Sau Chong Whui |
| 5 GAC International Asia Pte Ltd | 20 Shahul Hameed s/o M K Kader Muhaiadeen |
| 6 Hsu Chin Ying, Stephen | 21 Shofu Inc Singapore Branch |
| 7 I.Dental Surgeons Pte Ltd | 22 Soh Shean Han |
| 8 KaVo Dental Supply | 23 Tay Lai Hock, Alphonsus |
| 9 Lee Kwee Jin | 24 Tay Seng Kong, Louis |
| 10 Lee Woon Oi, Teresa | 25 Tay Wei Ming |
| 11 Lim Sor Kheng | 26 Thean Tsing Piao |
| 12 Maung Kaung Myat Win | 27 Tseng Seng Kwong, Patrick |
| 13 Mok Yuen Pun, Clara | 28 Wang Chia-Wei, Wendy |
| 14 Mok Yuen Yue, Betty | 29 Yeo Siang Khin |
| 15 Neo Chiew Lian, Jennifer | 30 Yu Soo Hoon, Victoria |

Enrollment & Graduation Statistics for AY12/13

Student Enrollment

Programme	Total
BDS	198
MDS (Endodontics)	8
MDS (Oral & Maxillofacial Surgery)	8
MDS (Orthodontics)	16
MDS (Periodontology)	9
MDS (Prosthodontics)	6
MSc	7
PhD	17
GDDI	5
Total	274

Graduation Statistics

Programme	Total
BDS	48
MDS (Endodontics)	2
MDS (Oral & Maxillofacial Surgery)	2
MDS (Orthodontics)	5
MDS (Periodontology)	4
MDS (Prosthodontics)	-
MSc	4
PhD	2
GDDI	2
Total	69

Staff Profile as at March 2013

Professor	1
Associate Professor	10
Assistant Professor	12
Senior Lecturer	2
Instructor	4
Visiting Professor	2
Total	31

Full Time Academic Staff as at 31 March 2013

S/N	Last name	Job Description
1	Chew Chong Lin	Professor
2	Cao Tong	Associate Professor
3	Foong Weng Chiong, Kelvin	Associate Professor
4	Hsu Chin-Ying, Stephen	Associate Professor
5	Keng Siong Beng	Associate Professor
6	Lim Lum Peng	Associate Professor
7	Neo Chiew Lian, Jennifer	Associate Professor
8	Ong Hui Lian, Grace	Associate Professor
9	Tan Beng Choon, Keson	Associate Professor
10	Yee Ting Fai, Robert	Associate Professor
11	Yeo Jin Fei	Associate Professor
12	Amr Sherif Fawzy Mohamed Fawzy	Assistant Professor
13	Andrew Ow Tjin-Chiew	Assistant Professor
14	Catherine Hong Hsu Ling	Assistant Professor

S/N	Last name	Job Description
15	Fu Jia Hui	Assistant Professor
16	Intekhab Islam	Assistant Professor
17	Mah Kuan Seet, Michael	Assistant Professor
18	Rahul Nair	Assistant Professor
19	Roxanna Jean Esguerra	Assistant Professor
20	Tan Kai Soo	Assistant Professor
21	Tong Huei Jinn	Assistant Professor
22	Vinicius Rosa	Assistant Professor
23	Yu Soo Hoon, Victoria	Assistant Professor
24	Mok Yuen Pun, Clara	Senior Lecturer
25	Mok Yuen Yue, Betty	Senior Lecturer
26	Goh Enhui Charlene	Instructor
27	Hu Shijia	Instructor
28	Khoo Tuo Sheng Joel	Instructor
29	Loke Weiqiang	Instructor
30	Kenji Takada	Visiting Professor
31	Murray Clyde Meikle	Visiting Professor

Non-Academic Staff as at 31 March 2013

Deputy Director	2
Manager	3
Assistant Manager	2
Senior Executive	1
Laboratory Technologist	20
Management Assistant Officer	15
Operations Associate	6
Research Assistant	4
Specialist Associate	4
Total	57

Board Membership in Local/Government Agencies (AY12/13)

Name	Designation(s)	Organisation (s)
Dr Amr Fawzy	Secretary	International Association for Dental Research (IADR) Singapore Section
A/P Cao Tong	President	International Association for Dental Research (IADR) Singapore Section
Prof Chew Chong Lin	Member, Dental Specialist Accreditation Board	Ministry of Health, Singapore
	President	Singapore Dental Council
	Member, Executive Committee	Prosthodontic Society (Singapore)
A/P Kelvin Foong	Member, Dental Specialist Accreditation Committee in Orthodontics	Ministry of Health, Singapore
Dr Catherine Hong	Member, Committee on Blood Borne Diseases	Ministry of Health, Singapore
	Member, Dental Specialist Assessment Committee in Pedodontics	Ministry of Health, Singapore
	President	Society for Paediatric Dentistry (Singapore)
Dr Intekhab Islam	Executive Committee	Asian Association of Oral Maxillofacial Surgery (AAOMS) Singapore
A/P Keng Siong Beng	Chairman, Technical Committee NITEC in Dental Technology	Institute of Technical Education (ITE)
	Member, Panel of Disciplinary Committee Chairpersons	Singapore Dental Council
Dr Michael Mah	Council Member	Association of Orthodontics (Singapore)
Dr Betty Mok	Member, Technical Committee NITEC in Dental Chairside Assisting	Institute of Technical Education (ITE)
	Member, Dental Specialists Assessment Committee in Pedodontics	Ministry of Health, Singapore
	Chair, Committee for Dental Assistant Training	Singapore Dental Association
	Committee Member	Society for Paediatric Dentistry (Singapore)
Dr Clara Mok	Member, Dental Hygiene & Therapy Course Review Committee	Nanyang Polytechnic, School of Health Sciences
	Member, Dental Hygiene & Therapy Examination Panel (for foreign candidates)	Nanyang Polytechnic, School of Health Sciences

Board Membership in Local/Government Agencies (AY12/13) - Cont'd

Name	Designation(s)	Organisation (s)
A/P Jennifer Neo	Member, Dental Specialists Accreditation Board	Ministry of Health, Singapore
	Member, Continuing Professional Development/Education Committee	Singapore Dental Council
	Member, Credentials SubCommittee (from Jan 2010)	Singapore Dental Council
	Member, Panel of Disciplinary Committee Chairperson	Singapore Dental Council
	Member, Singapore Dental Council Complaints Panel	Singapore Dental Council
A/P Grace Ong	Committee Member, Table of Surgical Procedures Review Committee	Academy of Medicine, Singapore
	Member, Advisory Committee for Medisave-approved Dental Procedures	Ministry of Health, Singapore
	Member, Dental Specialist Accreditation Board	Ministry of Health, Singapore
	Member	Singapore Dental Council
A/P Keson Tan	Member, Dental Specialist Accreditation Board	Ministry of Health, Singapore
	Member, Credentials Committee	Singapore Dental Council
Dr Tan Kai Soo	Member	International Association for Dental Research (IADR) Singapore Section
Dr Tong Huei Jinn	Member	International Association for Dental Research (IADR) Singapore Section
	Secretary	Society for Paediatric Dentistry (Singapore)
A/P Robert Yee	Member, Geriatric and Special Needs Dentistry Committee	Ministry of Health, Singapore
	Member, Dental Hygiene & Therapy Advisory Panel	Nanyang Polytechnic
	Member of Fluoride Review Committee	Public Utilities Board, Ministry of Environment, Singapore
A/P Yeo Jin Fei	Chairperson & Member Dental Specialist, Accreditation Committee in Oral & Maxillofacial Surgery (2008-2010)	Ministry of Health, Singapore
Dr Victoria Yu	Treasurer	International Association for Dental Research (IADR) Singapore Section
	Chair and Member, Dental Specialist Assessment Board Committee in Endodontics	Ministry of Health, Singapore

Leadership Positions in International & Regional Organisations (AY12/13)

Name	Designation(s)	Organisation (s)
A/P Kelvin Foong	President	International Association for Dental Research (IADR) Southeast Asian Division
Dr Catherine Hong	Member	American Academy of Pediatric Dentistry Journal-Based Continuing Education Committee
	Consultant	American Board of Pediatric Dentistry, Oral Clinical Examination Committee
	Member	American Board of Pediatric Dentistry, Qualifying Examination Committee
A/P Keng Siong Beng	Councillor/Webmaster	South East Asia Association for Dental Education (SEAADE)
A/P Lim Lum Peng	Committee Member	South East Asia Association for Dental Education (SEAADE)
Dr Betty Mok	Board of Directors	Pediatric Dentistry Association of Asia
A/P Grace Ong	Consultant	Peer Review and Consultation Programme, South East Asia Association for Dental Education (SEAADE)
A/P Robert Yee	Consultant	Millennium Villages Project, The Earth Institute at Columbia University
	Consultant	One2One Cambodia and Timor-Leste
A/P Yeo Jin Fei	Immediate Past President	College of Dental Surgeons, Singapore
	Dental Regional Advisor (Overseas)	Faculty of Dental Surgery, Royal College of Surgeons of Edinburgh [till May 2012]
	International Councilman	International College of Dentists [ICD] Council
	Regent	International College of Dentists [ICD] Section XX Region 25 (Singapore, Indonesia & Brunei)
	Councillor	Asian Association of Oral & Maxillofacial Surgeons

HMDP Visiting Experts

The Ministry of Health's (MOH) Health Manpower Development Programme (HMDP), aims to develop Singapore's healthcare manpower capabilities by sponsoring local healthcare professionals and nurses to advance their skills and knowledge in their chosen fields of speciality. The HMDP also sponsors renowned experts to conduct lectures and provide consultancies to local trainees and specialist departments.

Professor Ashraf Farouk Ayoub Ghali



Professor Ashraf Ayoub was the Faculty of Dentistry's HMDP visitor in Oral & Maxillofacial from 1 to 8 August 2012. His current position is Professor/Honorary Consultant, in Oral & Maxillofacial Surgery, Glasgow Dental Hospital and School, University of Glasgow. During his visit, he conducted a series of lectures on Craniofacial Surgery and Bone Biology as well as a public lecture on the topic of "Recent Advances in Oral and Maxillofacial Surgery". He also exchanged research ideas with students, faculty staff and dental clinicians.

Professor Allan George Farman



Professor Allan Farman, a world-renowned and authoritative figure in Oral and Maxillofacial Radiology (OMR), was the Faculty of Dentistry's HMDP visitor in Orthodontics from 1 to 5 October 2012. He is a Professor of Radiology and Imaging Science at the University of Louisville School of Dentistry and also serves both as Adjunct Professor of Anatomical Sciences and Neurobiology and as Clinical Professor of Diagnostic Radiology of the School of Medicine in the same institution. During the visit, he engaged faculty staff, students and clinicians in interesting and stimulating discussions on the current best evidence for the clinical practice of OMR with an emphasis on digital 2D and 3D oral and maxillofacial radiology.

Visiting Professors (AY12/13)



Professor Harold Messer

Professor Harold Messer, Emeritus Professor at University of Melbourne, was Visiting Professor from 30 June 2012 to 31 December 2012. He was principally involved with the Graduate Endodontic Programme.



Associate Professor Woo Sook Bin

Associate Professor Woo Sook Bin, Associate Professor in the department of Oral medicine, Infection and Immunity, Harvard School of Dental Medicine, was Visiting Associate Professor from 1 July to 31 July 2012. She was involved in teaching undergraduate and postgraduate, conducted Clinico-Pathologic Conference and delivered a talk entitled "Bisphosphonates Related Osteonecrosis of the Jaw" at NUH Grand Round.



Associate Professor Stephen Yen

Associate Professor Stephen Yen, Associate Professor at the Ostrow School of Dentistry and at the Los Angeles Children's Hospital, Keck School of Medicine, University of Southern California, was Visiting Associate Professor from 30 July to 24 August 2012. He was involved in graduate and undergraduate orthodontic teaching as well as in multi-disciplinary discussions on craniofacial anomalies and orthognathic surgical conditions.



Professor Robert Gunnar Bergenholtz

Professor Robert Gunnar Bergenholtz, Emeritus Professor at University of Gothenburg, Sweden was Visiting Professor from 2 January to 22 March 2013. He was involved in both undergraduate and postgraduate teaching in Endodontics.



Associate Professor Julie Yip

Associate Professor Julie Yip, Associate Professor from the College of Dentistry, NYU, was Visiting Associate Professor from 28 January to 8 February 2013 and 20 May to 31 May 2013. She was principally involved in clinical supervision of undergraduate periodontics.



Professor Niklaus Peter Lang

Professor Niklaus Peter Lang, formerly Clinical Professor of Implant Dentistry at the University of Hong Kong, was Visiting Professor from 25 February to 23 March 2013. He was involved in seminars and postgraduate teaching in Periodontics.

Facts & Figures

National Day Awards 2012

- Prof Chew Chong Lin Long Service Award
- Dr Dominic Leung Public Service Star
- Nurse Pwa Juat Sim Long Service Award
- Nurse Goh Lay Hwa Long Service Award

NUS Long Service Awards (2012)

- Mr Vellasamy s/o Muniandy 35 years
- Mr Richard Tan 30 years
- Ms Linda Lee 30 years
- A/P Grace Ong 30 years
- A/P Jennifer Neo 30 years
- Mrs Christine Tham 25 years
- A/P Kelvin Foong 20 years
- Ms Ng Chor Eng 20 years
- Ms Jane Ong 10 years
- Ms Perina Chiang 10 years

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