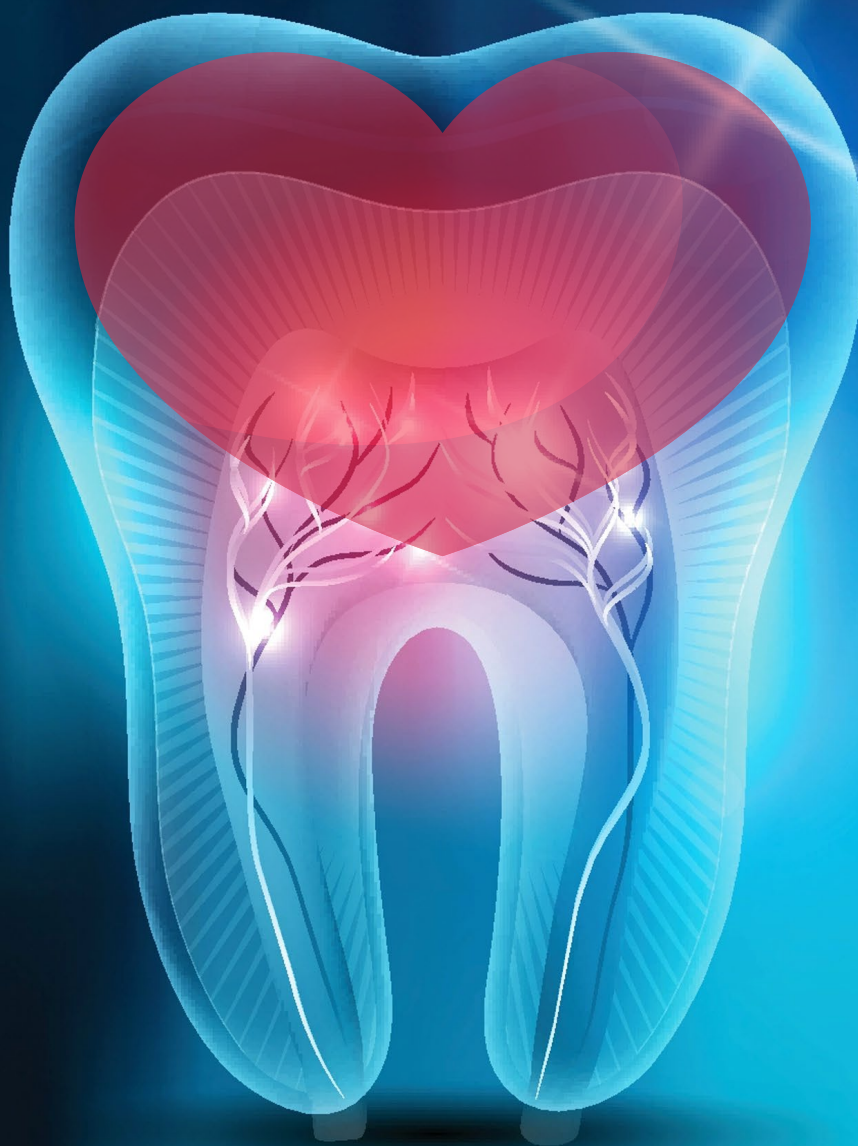


FACULTY WITH A HEART

ANNUAL REPORT 2022/23



NUS
National University
of Singapore

Faculty of Dentistry



VISION AND MISSION

VISION

To be a dental institution of international distinction

MISSION

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

CONTENTS

2 Acting Dean's Message

4 The Faculty Board

6 The Deanery

8 Our Highlights

EDUCATION

12 Forging Community-oriented, Future-ready Dental Professionals

14 Enrollment of Undergraduate and Postgraduate Students

16 Award Winners – Undergraduate and Postgraduate

18 Patient Attendances

RESEARCH

20 Reaping and Sharing the Benefits of Transformative Innovation

22 Research Milestones

24 Revolutionising the Research Landscape

26 NUS Dentistry Rises to 31st in QS World Rankings

RESEARCH HIGHLIGHTS

28 Pioneering 3D Printing to Redefine Orthodontics

30 Resorbable Implants: Redefining Medical Solutions through Innovation

32 Enhancing Oral Health of Migrant Workers

34 Novel Biomaterials: Advancing Periodontal Regeneration with Hybrid Hydrogels

36 Breaking Barriers: Igniting a New Chapter in Dental Materials Evolution

GLOBAL RELATIONS

40 Transforming the Future of Dentistry: Building Robust Connections, Uplifting Education and Research

DEVELOPMENT

44 Donations Received

STAFF ENGAGEMENT

48 Fostering Safety and Health Excellence

50 Remembering Associate Professor Jennifer Neo

54 Staff Listings

62 Moving Forward



Associate Professor Wong Mun Loke

Acting Dean, Vice Dean
(Academic Affairs) and Director,
Discipline of Primary Dental Care
& Population Oral Health

In Sync with the Heartbeat of Oral Health

The heartbeat of the Faculty pulsates around its core mission of education and research which aim to shape and transform clinical care as well as improve oral health for individuals and populations.

The Faculty has been at the forefront of dental education where it has trained and nurtured generations of clinicians, academics and researchers. While anchored on a rich history of education, we continuously look ahead to adapt and transform our efforts to future-proof our graduates and alumni. This is important to ensure that our alumni are adept in delivering quality care to their patients and promoting oral health in the community. Such educational adaptation and transformation are made possible through regular curricular reviews, effective pedagogical methods as well as innovative ways of delivering dental education. For example, with increased exposure to experiential learning opportunities, our undergraduates learn more about older adults and the broad range of biopsychosocial issues which can impact their lives. In so doing, our students foster a greater sense of empathy and understanding of older adults, which will in turn help them better render person-centric care to this growing segment of the population.

In the last year, we have also facilitated efforts to help our students develop a heart for the community with a range of outreach activities. Through supervised oral health screenings and educational efforts, our students engaged with different population segments to heighten their awareness of the importance of oral health and empowering them to take steps to prevent oral diseases across the lifespan. With such outreach, not only have our students been able to learn beyond the confines of the classrooms, laboratories and clinics on campus, they have been able to touch the lives of the community as they applied and shared what they had learned. Beyond undergraduate education, the Faculty also stepped up its lifelong learning efforts with the introduction of new continuing education programmes for the dental fraternity.

Our passion for research, another of the Faculty's core mission, continues to grow. This is evident from the illustrious

work of our colleagues who have invested much time and effort to bring forth new discoveries and innovations in dentistry. The diversity of academic talent within the Faculty has led us to an equally diverse research accomplishment spanning the laboratory, clinical and population domains. Each of these research domains has a unique potential to change the way oral health care is delivered through effective evidence-informed clinical services or even policy development. The Faculty is heartened by the 2023 QS World University ranking where we moved up in our ranking from 51st – 70th to 31st position! This is a testament and recognition of the great contribution of everyone in the Faculty. It is a strong encouragement for us and will embolden us for even more meaningful research endeavours to drive thought leadership in oral health innovations.

In line with our vision to be a dental institution of international distinction, we continue to work collaboratively with dental schools regionally and internationally through partnerships and our DentAlliance network to advance and raise the profile of dental education and research to improve oral health.

The backbone of a successful organisation is its people and towards this end, the Faculty places an emphasis on cultivating a safe and healthy working environment for everyone with a slew of initiatives spearheaded by its Total Wellbeing, Safety and Health Committee. These initiatives also foster a sense of camaraderie and bonding in the Faculty.

The Faculty is deeply appreciative of the many stakeholders – staff, students, alumni, donors and partners – who have journeyed with us with a common heartbeat to improve dental education, champion oral health research and transform clinical care in AY2022/2023. Together, we look forward to bringing our hearts for dentistry to greater heights in the future.

THE FACULTY BOARD



Associate Professor
Wong Mun Loke
Acting Dean, Vice Dean
(Academic Affairs) and Director,
Discipline of Primary Dental Care
& Population Oral Health



Associate Professor
Asher Lim
Vice Dean (Clinical Affairs)



Associate Professor
Vinicius Rosa
Vice Dean (Research)



Associate Professor
Victoria Yu
Vice Dean
(Graduate Studies)



Dr Clara Mok
Assistant Dean
(Pre-Clinical Phase
and Student Life)



Dr Ode Wataru
Assistant Dean
(Continuing Education)



Associate Professor
Fu Jia Hui
Director,
Discipline of Periodontics



Associate Professor
Raymond Wong
Director, Discipline of Oral
& Maxillofacial Surgery



Dr Tan Hee Hon
Assistant Dean
(Clinical Phase) and Director,
Discipline of Endodontics,
Operative Dentistry
& Prosthodontics



Associate Professor
Kelvin Foong
Director, Discipline of Orthodontics
& Paediatric Dentistry



Associate Professor
Tan Kai Soo
Director, Discipline
of Oral Sciences

THE DEANERY



Dr Tan Hee Hon
Assistant Dean
(Clinical Phase)



Dr Clara Mok
Assistant Dean
(Pre-Clinical Phase and Student Life)



Associate Professor
Victoria Yu
Vice Dean
(Graduate Studies)



Associate Professor
Wong Mun Loke
Acting Dean and Vice Dean
(Academic Affairs)



Associate Professor
Asher Lim
Vice Dean (Clinical Affairs)



Associate Professor
Vinicius Rosa
Vice Dean (Research)



Dr Ode Wataru
Assistant Dean
(Continuing Education)

OUR HIGHLIGHTS 2022



9 July 2022
Commencement 2022



11 & 25 September 2022
Health Screening for Migrant Workers



27 July 2022
Commencement Dinner 2022



3 November 2022
Donor Appreciation Dinner



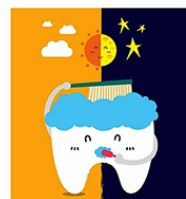
9 September 2022
Preschool Oral Health Outreach



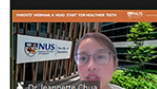
27 - 29 November 2022
5th Edmund Tay Mai Hiong Distinguished Speaker Programme

#1 Good oral hygiene with regular toothbrushing twice daily

Once in the morning



Once at night before bed



3 September 2022
Online Oral Health Talk for Parents of Preschoolers

OUR HIGHLIGHTS 2023

SKILLSFUTURE SINGAPORE (SSG) FUNDED WORKSHOPS



4 February 2023
Management of Deep Caries –
Vital Pulp Therapy or Root Canal Treatment



**19 January &
15 February 2023**
Oral Health Screenings and Oral
Hygiene Awareness Sessions at
Nursing Homes



4 March 2023
NUS Open House



28 & 29 March 2023
Restoring Tooth,
from Apex to Crown



15 April 2023
Expanding Your Practice –
Everyday Paediatric Dentistry Made Easy
(In collaboration with DentAlliance)



EDUCATION



Migrant Workers Outreach



Public Health Screenings



Alumni Outreach to Preschoolers



'Grow Old with Me' Programme - Training Undergraduates in Geriatric Dentistry

Forging Community-oriented, Future-ready Dental Professionals

Our innovative curriculum leverages traditional teaching methods, cutting-edge digital technologies and exposure to emerging trends to enable future dental professionals to address the diverse and rapidly changing needs of our society.

In the crucible of our commitment to excellence, the Faculty stands unwavering in its pursuit of a transformative vision – to shape professionals with not only an unyielding commitment to clinical mastery but also a profound sense of professionalism as well as ethical and social responsibility. In a world grappling with seismic economic and social shifts, our dedication to serving the society stands as an increasingly vital beacon.

For this reason, the Faculty has continued to focus on world-class learning and development that extends beyond the traditional curriculum. Central to this approach is the need to engage and contribute meaningfully to the broader community via pivotal outreach initiatives – those that raise awareness of preventive oral healthcare measures among the population, from young to old.

Championing the cause of dental education from the earliest stages of childhood, the Faculty, led by dedicated alumni, conducted an interactive outreach session for preschoolers at early childhood education provider, My First Skool, in September 2022. Breaking away from conventional methods, this session captivated preschoolers through immersive activities like storytelling and vibrant colouring exercises, igniting their curiosity about oral health and well-being. Beyond mere engagement, the initiative aimed to cultivate essential oral hygiene habits, and demystify the experience of visiting the dentist.

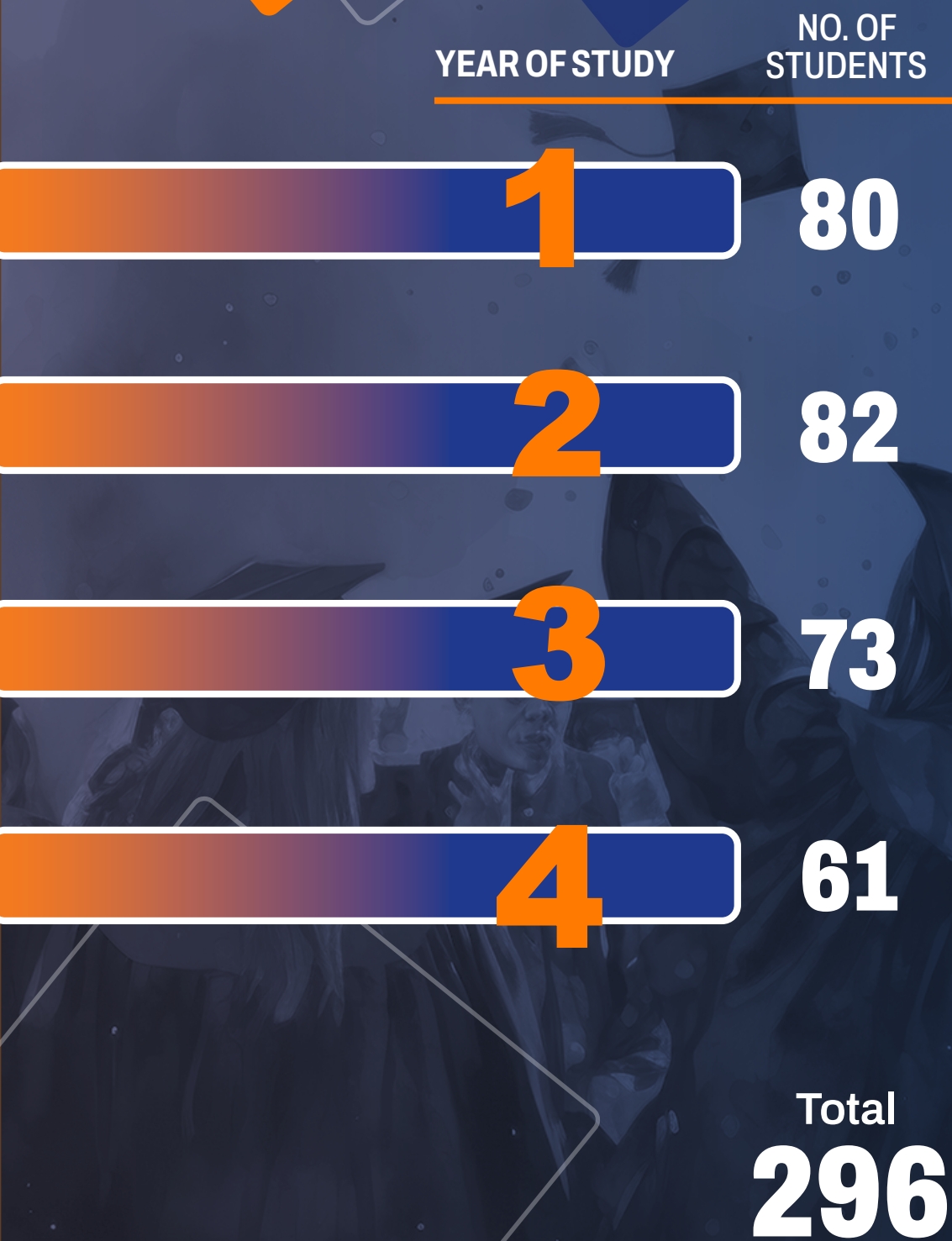
Recognising the profound impact of parental involvement in cultivating a culture of good oral health, a webinar was also organised, in collaboration with preschool operator, PCF SparkleTots, to empower parents. The webinar, titled 'A Head Start for Healthier Teeth', was conducted by alumna and Paediatric Dentistry Registrar from the National University Centre for Oral Health Singapore (NUCOHS), Dr Jeanette Chua. The talk provided invaluable insights into common oral issues young children face, encouraged healthy feeding practices, and underscored the critical role of maintaining optimal oral hygiene. This multifaceted approach reflects our dedication to not only educate but to empower the community, ensuring a robust foundation for lifelong dental well-being.

Anticipating a significant increase in Singapore's elderly population by 2030, the Faculty's 'Grow Old with Me' (GOWM) programme positions Dentistry students to address seniors' unique oral health challenges. To promote practical learning beyond the classrooms, our third-year students embarked on a meaningful visit to St Andrew's Nursing Home in early 2023. Beyond the confines of traditional education, this experiential opportunity allowed them to conduct oral health screenings for seniors while sharing valuable tips on maintaining good oral hygiene.

Another important yet underserved segment of the population the Faculty sought to engage has been the migrant worker community. In collaboration with Ministry of Manpower's Assurance, Care and Emergency (ACE) group, staff, students, and alumni visited the Terusan Recreation Centre in May 2023, and the Penjuru and Cochrane Recreation Centres in September 2023, and held dental health screenings for over 600 migrant workers. Beyond raising migrant workers' awareness on the importance of oral health, the experience provided undergraduate students insight into the treatment needs of this segment of the population.

Moving forward, the Faculty will continue to hone a holistic curriculum that goes beyond boundaries, addressing dynamic oral health needs while remaining at the forefront of technological advancements and evolving trends. This ensures that our graduates are equipped with necessary skillsets to not only become professionals, but also transformative agents – leading the charge to redefine the landscape of oral healthcare, setting new standards, and pushing boundaries in an ever-changing world.

Enrolment of
Undergraduate Students
From July 2022 - June 2023



Enrolment of
Postgraduate Students
From July 2022 - June 2023

POSTGRADUATE PROGRAMME	NO. OF STUDENTS
Doctor of Philosophy (Dentistry)	17
Master of Dental Surgery (Endodontics)	11
Master of Dental Surgery (Oral and Maxillofacial Surgery)	7
Master of Dental Surgery (Orthodontics)	13
Master of Dental Surgery (Periodontology)	9
Master of Dental Surgery (Prosthodontics)	10
Master of Dental Surgery (Paediatric Dentistry)	6
Master of Science	4
Graduate Diploma in Dental Implantology	5
Graduate Diploma in Geriatric Dentistry	5
Total	87

Award Winners

Final-year Undergraduate

Postgraduate



Quek Zuo Kai, Evan
SDA Prize
Best Student in Preventive Dentistry and Dental Public Health



Yang Bo, Billy
University Medal Bronze
First and Second in Examination

Tratman Medal (Silver) and
Ho Kee Hai Coden Specialists Prize
Most Distinguished Graduate
in Dentistry for the Year

Lee Kuan Yew Gold Medal
Best Student throughout Course of Study



Dr Bernadette Quah
Henry Lee TL Medal on Oral & Maxillofacial Surgery
Best Student (Oral & Maxillofacial Surgery) in the final Master of Dental Surgery (MDS) Examination



Dr Tan Zhi Ming, Darren
Invisalign Foundation Medal and Prize
Best Student (Orthodontics) in the final MDS Examination

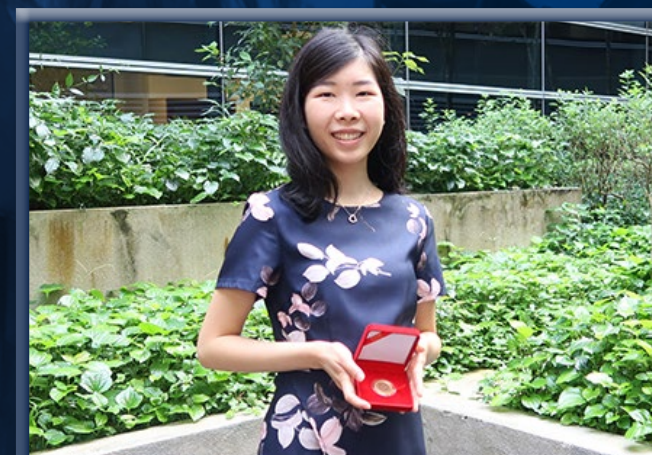


Teh Howe Wee
IFDEA Prize
Best Student in Paediatric Dentistry



Koh Teng Chun
Dr F A C Oehlers Medal
Best clinical student completing Final B.D.S. examination

TP Dental Surgeon Medal
Best All-Round Final Year Student



Dr Ang Kai Yuit
Prosthodontic Society Singapore Medal and Prize
Best Student (Prosthodontics) in the final MDS Examination



Dr Quak Su Lin
Rashid Tahir The Kids Dentist Medal and Prize
Best Student (Paediatric Dentistry) in the final MDS Examination

Patient Attendances

From July 2022 - June 2023

TOTAL
31,520

UNDERGRADUATE
13,835

POSTGRADUATE
17,685

**PERCENTAGE
OF TOTAL PATIENT
ATTENDANCES**

POSTGRADUATE
56%

UNDERGRADUATE
44%

RESEARCH



Enhancing Oral Well-being
through Outstanding Research



Exchanging Knowledge on Emerging
Research Fields at BLOOMS 2023

Reaping and Sharing the Benefits of Transformative Innovation

The Faculty continues to garner international acclaim, thanks to breakthroughs in research, the establishment of a dental stem cell bank, and a well-deserved leap in global university rankings.

The Faculty continued to drive innovation and advance our position at the forefront of oral health research in Singapore and across the globe. This is evidenced by the breadth and scope of journal publications, awards of achievement and recognition, and the positive reception of international outreach initiatives.

One milestone the Faculty is particularly proud of is the establishment of Singapore's first Dental Stem Cell Bank. This facility is a spin-off of the NUCOHS Tooth Tissue Bank and was developed to support biomedical research projects by ensuring a ready supply of donated extracted teeth for pre-clinical, laboratory-based research within the Faculty.

Envisioned to eventually serve as a comprehensive library, the Dental Stem Cell Bank will house cells from diverse donor profiles and significantly enhance projects focusing on regeneration, drug discovery, disease profiling, oral and systemic diseases, and ageing. The first stem cell isolation and characterisation for banking is scheduled for completion by the end of the first half of Academic Year 2024/2025.

The Dental Stem Cell Bank is not the only exciting project being pioneered by the Faculty. Through the dedication of its researchers, a series of impactful manuscripts have also been published across numerous high-profile journals – articles that have received multiple citations which reflect the far-reaching impact of the institution's contributions.

Beyond research publications, Faculty staff and students also participated in key world-renowned conferences where they received awards for outstanding work in the field of biomedical research. These included the International Association for Dental Research's Geriatric Oral Research

Group (IADR GORG) Pre-doctoral Award, Asian Academy of Prosthodontics 2022: Korean Academy of Prosthodontics Award, and IADR Kulzer Travel Award.

Associate Professor Vinicius Rosa was additionally appointed President of the IADR Dental Materials Group, the oldest and largest research group within the IADR. This move brings much excitement and newfound possibilities to the future of dental materials while advancing the Faculty's position as a global player in research leadership.

The Faculty also embarked on a new venture in July 2023 with its inaugural summer research programme. BLOOMS: A Faculty of Dentistry Discovery Series was a three-day research discovery series presented by the Faculty and Oral Care Health Innovations and Designs Singapore (ORCHIDS). The unique programme included workshops on the latest trends in digital technologies for regenerative and clinical research, and immersive, hands-on activities in 3D-printing and microfluidics. Participants from over 10 countries joined the programme, which was supported by the NUS Centre for Additive Manufacturing and industry partners, who shared their expertise and provided an industry perspective on dental research.

With its strong progression of research efforts and wider impact of scientific contributions, the Faculty saw a rise in its ranking among global universities; going from 51st – 70th position in 2022 to 31st in 2023 based on the QS World University Rankings 2023.

2023 has certainly been an eventful and fulfilling year marked by numerous milestones and achievements for the Faculty. These developments will have a strong bearing on the future of dentistry contributing towards making a lasting impact on oral health and well-being in Singapore and beyond.

Research Milestones

PUBLICATION HIGHLIGHTS:

2.04

Field-Weighted Citation Impact

25%

Publications in the top 10% most cited publications worldwide

28%

Publications in the top 10% journals by CiteScore

56.8%

Publications that collaborated with international institutions

11.4%

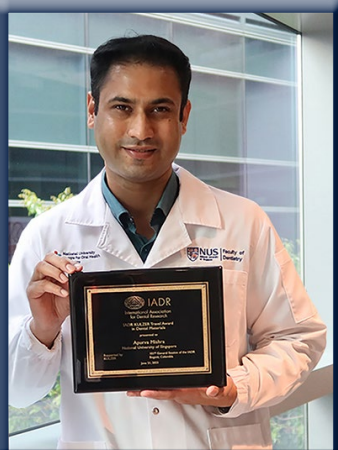
Publications produced in collaboration with corporate affiliations

AWARD WINNERS

Dr Nicholas Lim
Asian Academy of Prosthodontics 2022: Korean Academy of Prosthodontics Award



Mr Mishra Apurva
IADR Kulzer Travel Award



Dr Wan Hui Wei
6th Bangkok International Symposium of Implant Dentistry (BIS 2022): 2nd Runner-up in Poster Presentation Competition



Ms Clarice Sabino
IADR Kulzer Travel Award



\$2.86 million
Research Grants Awarded



39
Editorial Positions

39 Editorial Positions in premier journals like *Journal of Dental Research*, *International Journal of Implant Dentistry*, *Journal of Orthodontics*, *Gerodontology*, *JDR Clinical & Translational Research*, *Genes and Diseases*, *Dental Materials*, and others.

Revolutionising the Research Landscape

NUS Dentistry establishes first academic Dental Stem Cell Bank.

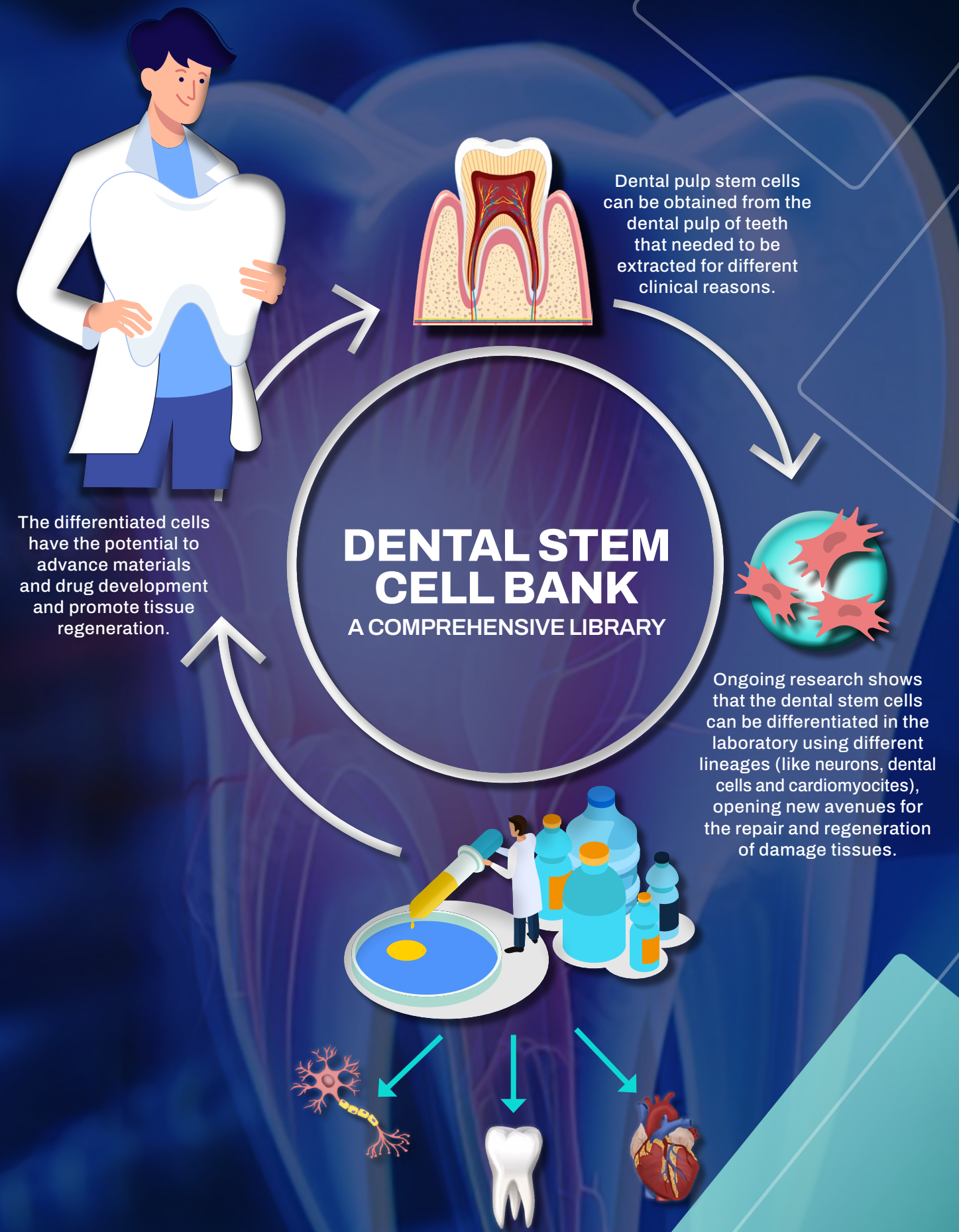
NUS Dentistry has launched a groundbreaking initiative through the establishment of Singapore's first academic Dental Stem Cell Bank, a spin-off of the NUCOHS Tooth Tissue Bank (NTTB), an enterprise that supports biomedical research projects by keeping a ready supply of donated extracted teeth for research. Dental stem cells, easily obtained from several oral tissues, hold immense promise for craniofacial regeneration studies. Previous research has demonstrated their ability to transform into neurons, osteoblasts, and odontoblasts, opening avenues for therapeutic development, biomaterial testing, tissue regeneration promotion, and disease understanding.

In response to the complexities of obtaining dental stem cells, the newly established Dental Stem Cell Bank aims to provide a readily accessible supply for pre-clinical, laboratory-based studies within the Faculty. While not intended for clinical studies, the Bank is poised to revolutionise the research landscape by proactively collecting, isolating, and characterising stem cells. This streamlined approach minimises hurdles, ensuring that projects can commence promptly.

The Bank is equipped with all the necessary tools and consumables, with the first isolation and characterisation targeted for completion by the first half of Academic Year 2024/2025. "The first type of cells we will have available for research will be dental pulp stem cells, which can be obtained from teeth that are commonly designated for extraction, such as third molars. So now, instead of throwing the tooth away after the extraction, we will be able to collect their stem cells and use them in pre-clinical research and investigate ways to improve oral health and overall well-being," said Associate Professor Vinicius Rosa, Vice Dean (Research).

Envisioned as a comprehensive library, the Dental Stem Cell Bank will contain cells from donors with diverse profiles. This resource will significantly enhance projects focusing on regeneration, drug discovery, disease profiling, oral and systemic diseases, and ageing. This forward-looking enterprise strengthens ongoing research and will create exciting opportunities for national and international collaborations, propelling dental stem cell studies into new discoveries.

While not intended for clinical studies, the Bank is poised to revolutionise the research landscape by proactively collecting, isolating, and characterising stem cells.



NUS Dentistry Rises to 31st in QS World Rankings

Improvement in rankings can be attributed to a focus on high-impact research and active participation.

The latest QS World University Rankings by Subject 2023 have positioned the National University of Singapore (NUS) at the 31st spot globally in the field of Dentistry, marking a significant advancement from its previous standings.

According to Associate Professor Vinicius Rosa, Vice Dean (Research), "the notable climb in NUS's ranking is a source of delight. This rise in the rank underscores our commitment to excellence in research, which has been recognised globally for our innovative approaches in tackling problems, scientific accomplishments, and the esteemed reputation of our researchers."

The rise of NUS in the ranking can be attributed to a strategic amalgamation of several initiatives such as the consolidation of research programmes and a focus on publishing high-quality, impactful research in esteemed scientific outlets, heightened visibility of scientific outcomes through consistent staff participation in prominent scientific meetings, editorial board and leadership positions in journals and associations, and enhanced communication channels through digital platforms to showcase groundbreaking work on a global scale.

"These are a few examples of the structures and programmes that we have put in place in the last few years that culminated in the rise of NUS in the field of Dentistry. Now, it is important to keep the momentum and improve further to solidify NUS as a key player shaping the future of dentistry globally," said Assoc Prof Rosa.

The QS ranking, known as Quacquarelli Symonds is an annual ranking that assesses and highlights the academic prowess of universities in 54 disciplines. It ranks universities worldwide based on various criteria such as academic reputation, employer reputation, and citations per faculty, among others. The process involves research metrics, such as academic reputation, citation rates and employer reputation. In addition to quantitative measures, qualitative insights are gathered by inviting researchers to nominate institutions renowned for their excellence in specific fields. These nominations contribute to the comprehensive overview of global academic performance, ensuring that the rankings reflect the opinions from prominent researcher worldwide.

"The rise of NUS in the ranking can be attributed to a strategic amalgamation of several initiatives."

Assoc Prof Rosa
Vice Dean (Research)

RESEARCH highlights



Associate Professor Kelvin Foong

Associate Professor (Orthodontics) and Director, Discipline of Orthodontics & Paediatric Dentistry

Innovating Orthodontic Care with 3D Design and Printing

Transcending the limits of traditional Twin Block appliances with digital technology.

In line with emerging innovations, Associate Professor Kelvin Foong spearheaded an initiative at the NUS Faculty of Dentistry to improve Orthodontics through 3D digital technology. It combines computer-aided design and 3D printing technologies to fabricate the Twin Block growth modification appliance.

Twin Block appliances are traditionally crafted manually in a process involving layering powder, methyl methacrylate (MMA), and liquid monomer. Apart from being time-consuming and error-prone, this method exposes technicians to monomer vapour. 3D printing addresses these challenges by offering a precise, porosity-free fit for the appliance, minimising material flaws and reducing health risks.

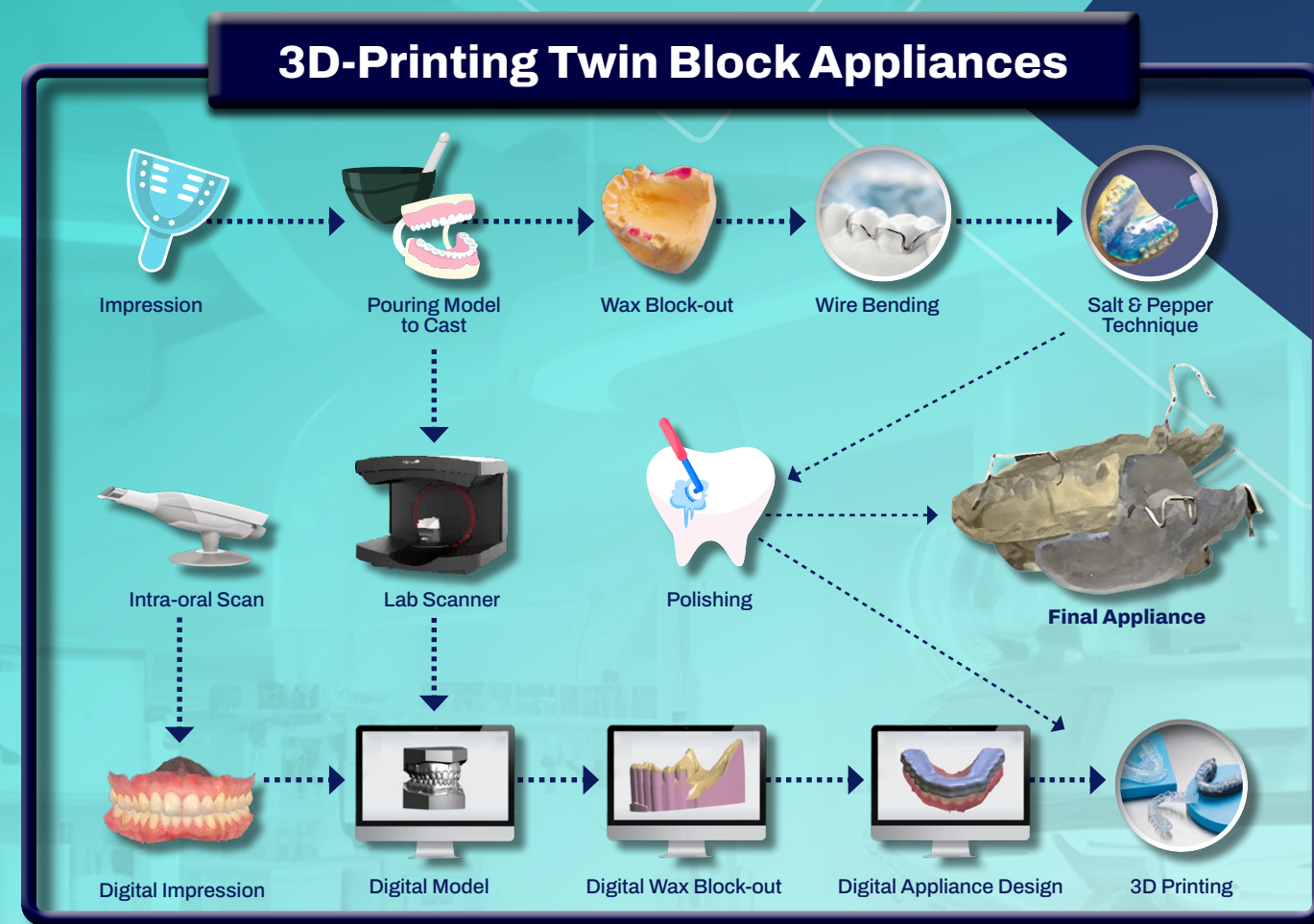
For example, the process developed by Assoc Prof Foong's team involves a technician designing the appliance using a Computer-Aided Design and Manufacturing (CAD-CAM) software and thereafter, 3D-printing the appliance onsite. Once printed, the stainless steel wires will be integrated with the printed parts and ready for clinical delivery. The entire digitised process takes a fraction of the time compared with manual fabrication.

The implications of this innovation are transformative. Accelerated turnaround times mean patients receive their appliances sooner, which expedites the commencement of growth modification orthodontic treatment. Furthermore, the precision afforded by 3D printing ensures that each appliance is perfectly fitted to the patient's unique dentition and dental arch relationship, making wearing of the Twin Block appliances comfortable for the patient and enhancing the potential for a successful clinical outcome.



Innovation By Design

3D Printing Crafts Custom-Fit Appliances for Enhanced Outcomes and Comfort.



Outcomes (Highlighting the Dual Benefits):
This method ensures a seamless, predictable, and replicable production process, thus improving appliance quality and reducing health hazards for technicians.

Workflow Description (Streamlined Process):
The technician initiates the appliance design through CAD-CAM software, seamlessly transitioning to 3D printing. This integrated process allows for the efficient incorporation of wires into the printed parts, resulting in a substantial reduction in production time.

Introduction:
Assoc Prof Kelvin Foong's work revolves around leveraging digitalisation and 3D printing techniques to fabricate the Twin Block appliance.

Traditional Process (Health Concerns):
Traditionally, Twin Block appliances were crafted manually, a process involving layering MMA and monomer. This method was not only time-consuming and error-prone but also exposed technicians to monomer vapour, posing long-term health risks.

Advantages of 3D Technology (Emphasising Health and Precision):
3D technology revolutionises this by enhancing precision and reducing material flaws. The digital workflow mitigates health risks and achieves a precise, porosity-free appliance fit.

Benefits of Using 3D Technology for Twin Block Appliance Production



Associate Professor Raymond Wong

Associate Professor
(Oral and Maxillofacial Surgery)
and Director, Discipline of Oral
& Maxillofacial Surgery

Resorbable Implants: Redefining Medical Solutions through Innovation

Associate Professor Raymond Wong's research into resorbable implant technology is spearheading a re-evaluation of patient treatment and shaping new possibilities to alleviate post-surgery discomfort.

In the field of dental bone implants, the use of titanium bone plates in jaw surgery and fracture fixation is well-established in dental surgery. In this process, titanium bone plates secure the bones in place until fully healed, typically in under six months. While not without its shortcomings, the practice has over time, become less than optimal. Once bones heal, for instance, titanium plates must either be removed surgically or left in the patient's body. Resorbable medical implants, on the other hand, dissolve at the end of their intended service and do not require a second surgery to remove.

While there are already numerous polymer-based resorbable plates in the market, such as polylactic acid, polyglycolic acid, and polycaprolactone, these implants also present challenges. Due to their weak material properties relative to titanium, such plates must be built larger and more substantive, in order to withstand the forces of biting. These plates also need to be softened in a hot water bath to ensure successful adaptation to the bone. Last but not least, the resorption process creates an acidic environment that increases the risk of getting a sterile abscess.

Magnesium-based resorbable medical implants have thus been touted as a solution to traditional polymer-based implants due to their impressive strength, less invasive nature, and reduction in surgical procedures. The application of these implants also extends beyond the field of oral and maxillofacial surgery and into other areas like orthopaedic surgery and regenerative medicine.

However, the primary concern with magnesium-based resorbable medical implants lies in their production. In its pre-processed state, magnesium is extremely reactive and unsuited for direct 3D-print production.

Setting out to address these challenges, the team at the National University of Singapore (NUS) led by Professor Manoj Gupta (Department of Mechanical Engineering) collaborated with Assoc Prof Wong to rethink the production process and successfully determined an optimal combination of materials to develop stable magnesium-based resorbable medical implants. In doing so, they earned a commendable worldwide patent.

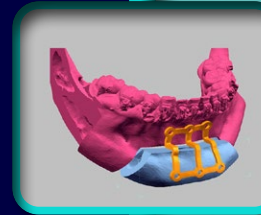
Immediate application of this breakthrough was made feasible through NUS' collaboration with A*STAR's Singapore Institute of Manufacturing Technology (SIMTech), which allowed the team to safely 3D-print magnesium implants, including variants with pores incorporated to allow bone ingrowth.

The innovation driven by Assoc Prof Wong and his team marries the benefits of magnesium-based resorbable medical implants with a highly patient-specific 3D-printing process. In the longer term, this is primed to improve current treatment options and significantly minimise patient discomfort.

**Disclaimer: The magnesium-based resorbable medical implants have not been applied for clinical use as it is still undergoing further trials.*

1 Benefits of Magnesium-based Resorbable Medical Implants

- Similar strength to bone
- Thinner and less invasive for patients
- Waste materials are safely resorbed into the water and magnesium ions within the body as they are expelled naturally



2 A Specialised Operation - Every Time

3D printing allows patient-specific implants to be created, with interconnected pores to allow bone ingrowth, especially if paired with biologics like mesenchymal stem cell-derived exosomes.



Elevating Treatment Outcomes

Personalised Magnesium Implants enhance Patient Comfort and expand Treatment Horizons.



Enhancing Oral Health Of Migrant Workers

Faculty-led joint screening initiative identifies high oral disease burden and treatment needs in migrant workers.

In collaboration with the Ministry of Manpower (MOM)'s Assurance, Care and Engagement (ACE) group, a team spearheaded by Associate Professor Gao Xiaoli conducted a dental screening for over 200 migrant workers in September 2022. Apart from faculty members, the initiative involved dental alumni, undergraduate and postgraduate students, and student volunteers from Nanyang Polytechnic's Diploma in Oral Health Therapy programme.

One notable finding of the screening was the high oral disease burden and treatment needs in migrant workers. Beyond highlighting areas of poor oral health awareness that needed to be addressed, the initiative also identified and reaffirmed the association between acculturation and oral health.

For example, the findings noted that dental visits were correspondingly less frequent in Singapore compared to their home country. On the other hand, the screenings noted positive changes in oral health-related behaviours of workers following migration – the intake of sweets or desserts was found to have reduced, as was the incidence of snacking and the chewing of betel nuts and leaves, and there was more frequent toothbrushing as well.

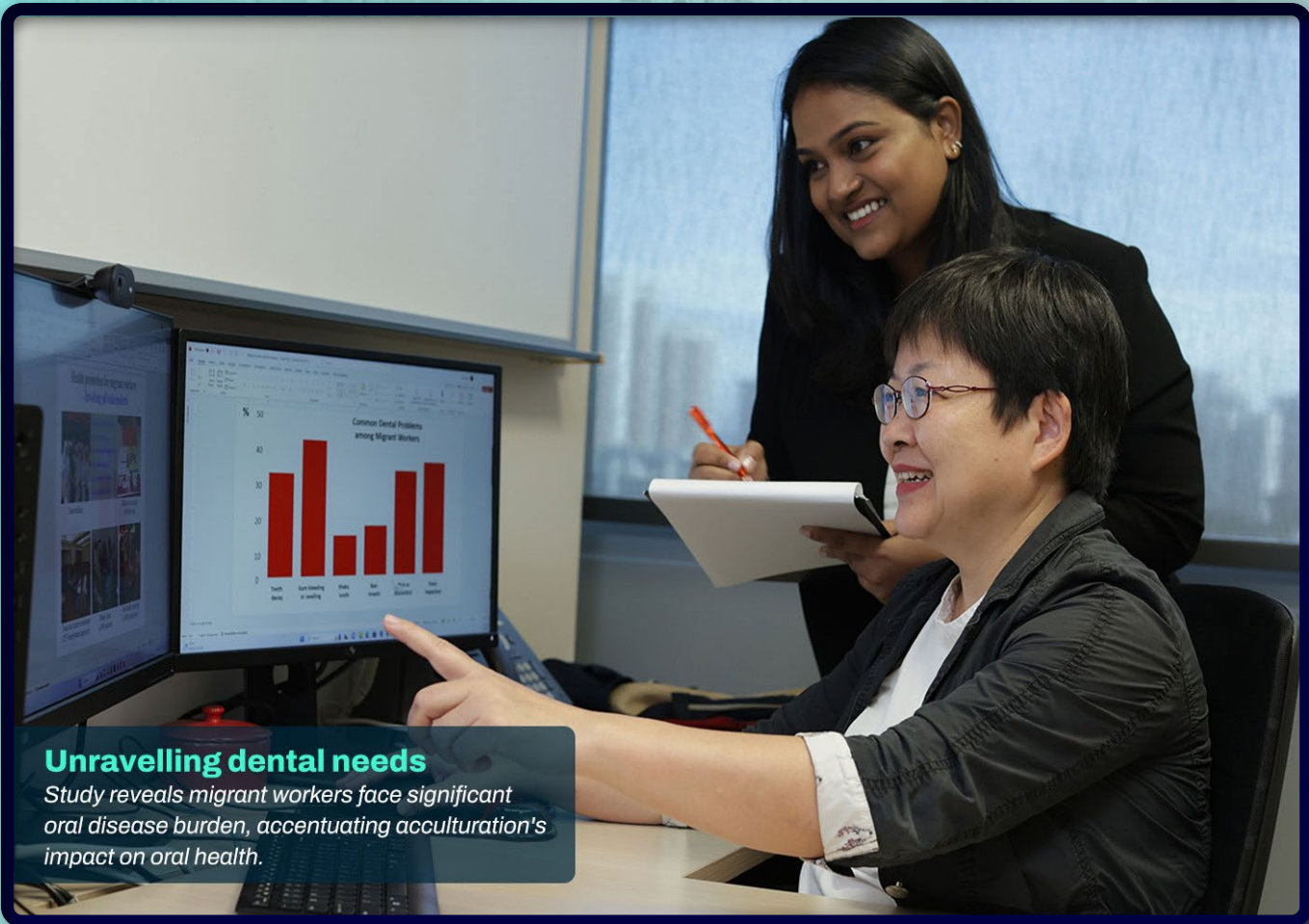
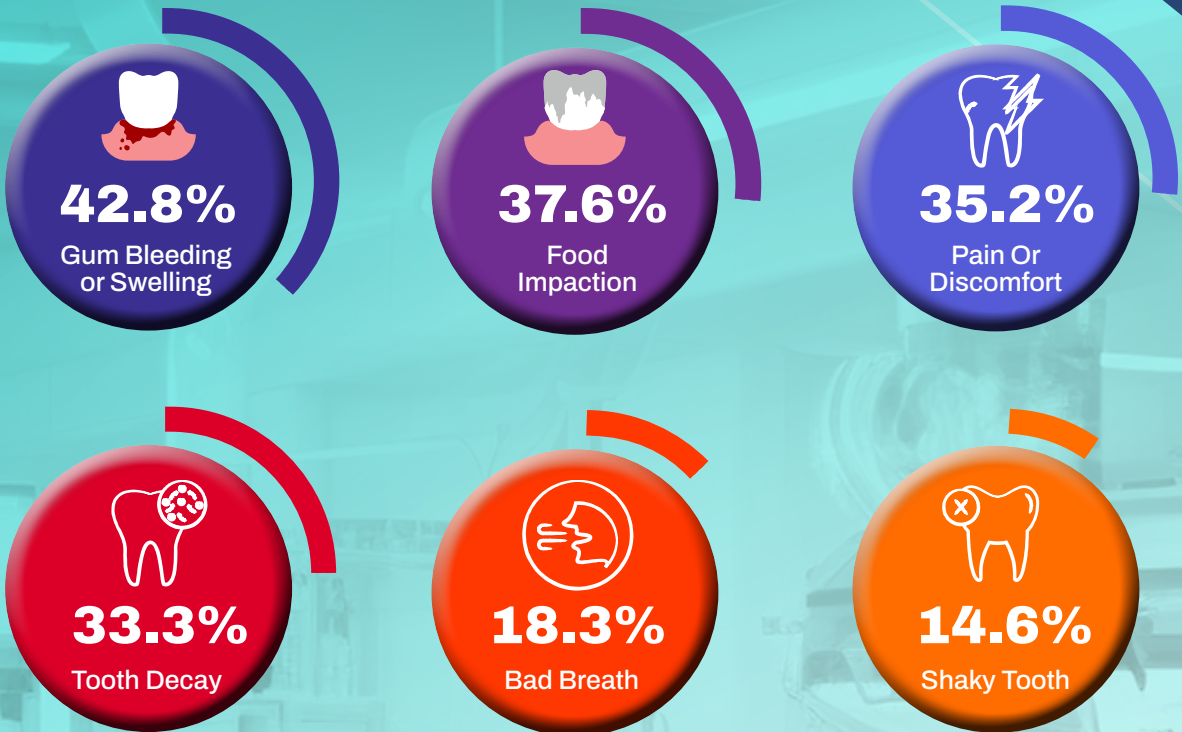
Assoc Prof Gao's findings not only underscore the critical importance of engaging key stakeholders and ensuring accessible dental care for migrant workers but also serve as a clarion call for transformative policy interventions. By heeding these insights, policymakers can pave the way for tangible improvements in the health and well-being of migrant communities, ultimately fostering a more inclusive and equitable society.

Associate Professor Gao Xiaoli

Associate Professor
(Primary Dental Care & Population Health)

Beyond highlighting areas of poor oral health that needed to be addressed, the initiative also identified and reaffirmed the association between acculturation and oral health.

Common Dental Problems among Migrant Workers



Unravelling dental needs
Study reveals migrant workers face significant oral disease burden, accentuating acculturation's impact on oral health.



Novel Biomaterials: Advancing Periodontal Regeneration with Hybrid Hydrogels

An award-winning study by Mr Mishra Apurva has helped overcome the limitations and improve the biofunctionality of photo-cured, gelatin-based hydrogels.

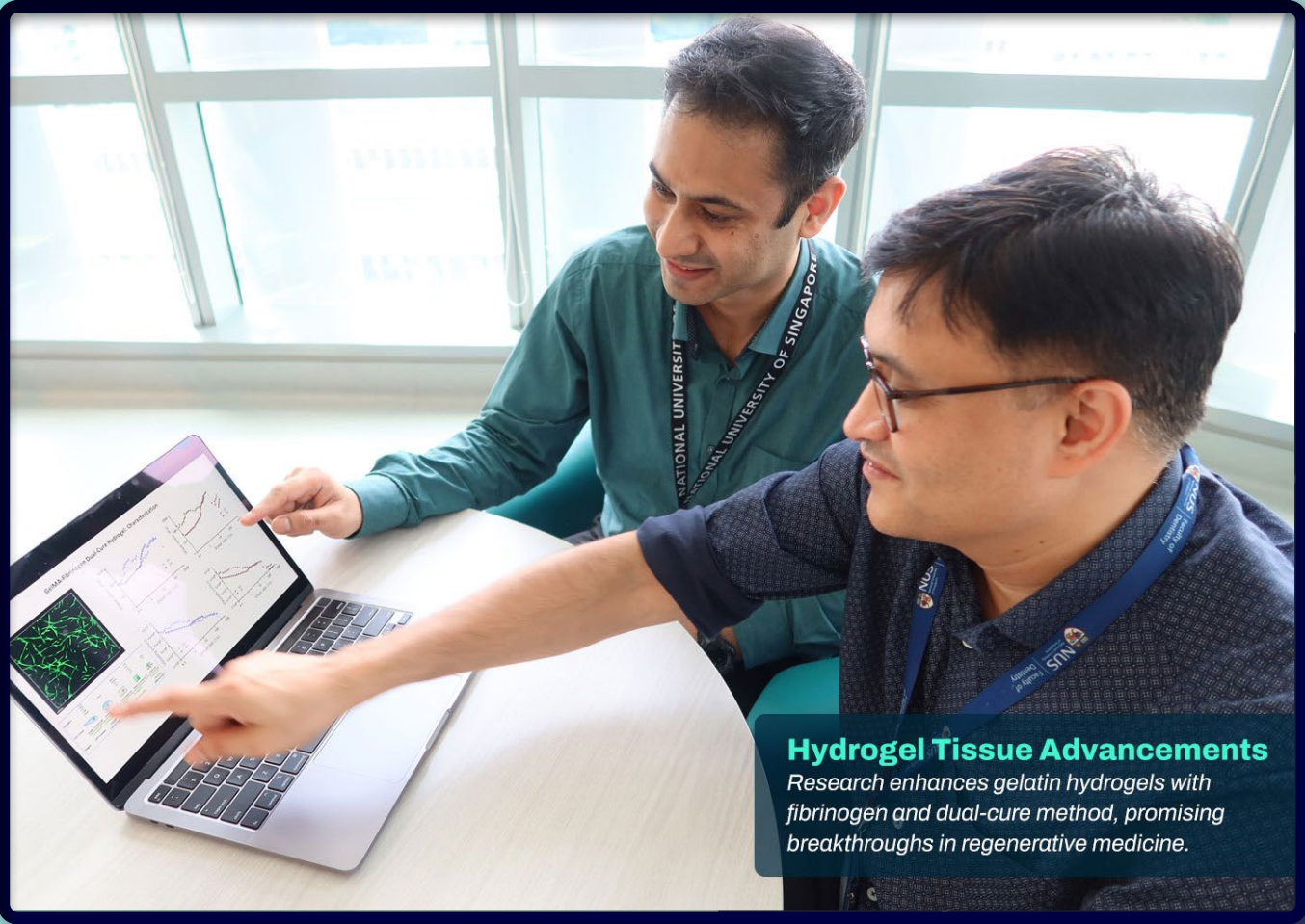
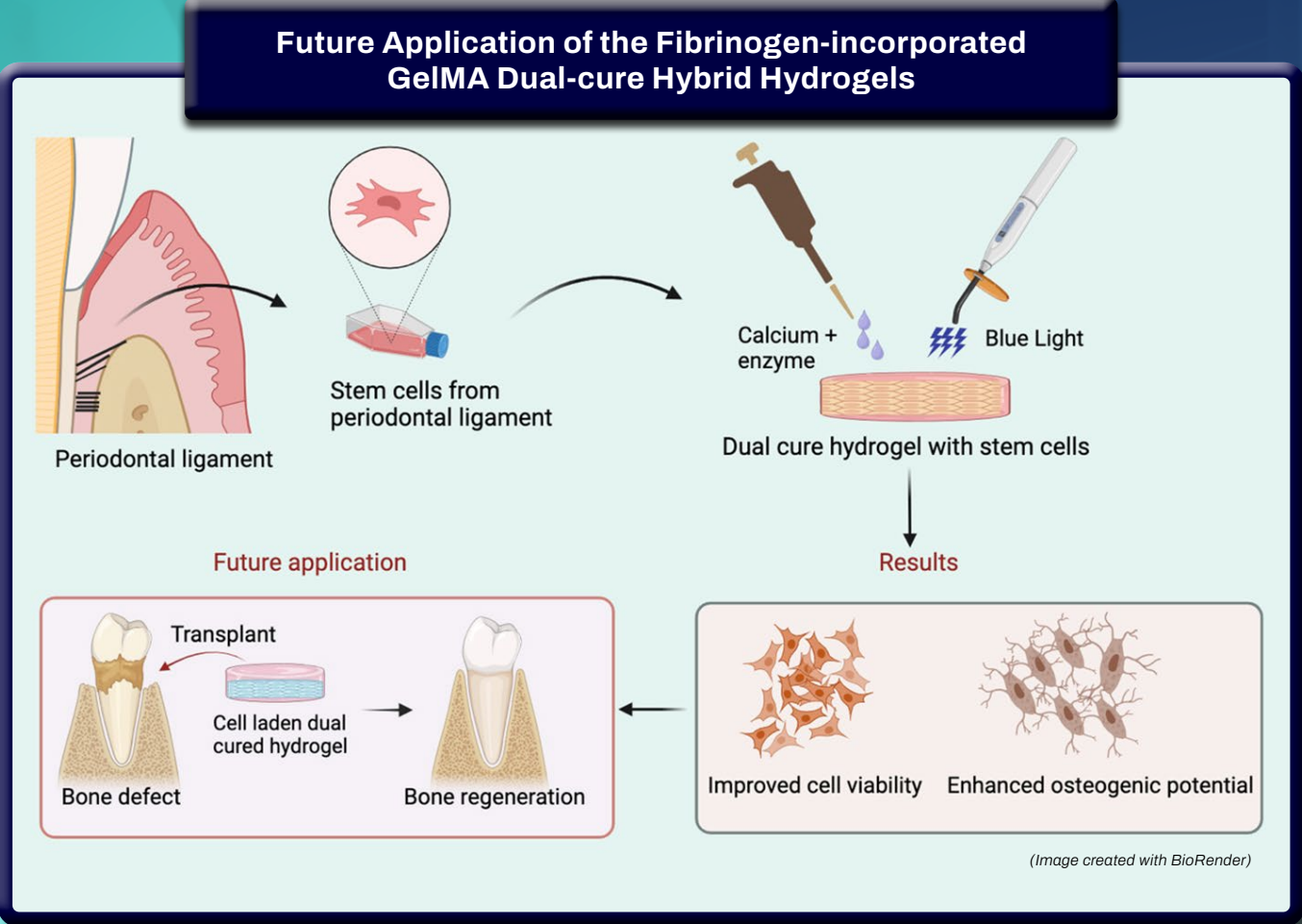
A study, titled “Fibrinogen-incorporated GelMA Dual-cure Hybrid Hydrogels for Tissue Engineering Applications” undertaken by Mr Apurva in collaboration with Assistant Professor Nileshkumar Dubey and supervised by Assistant Professor Gopu Sriram, was conferred the IADR Kulzer Travel Award 2023. The IADR Kulzer Travel Award supports and recognises researchers who employ new and innovative approaches to improve and develop dental materials.

Mr Apurva’s research focused on strategically enhancing the biofunctionality of gelatin-based hydrogels for tissue engineering applications. Specifically, by incorporating fibrinogen, a protein derived from blood clots, and employing a dual-cure cross-linking process (light and enzymatic), the study sought to address the limitations of photo-cured, gelatin-based hydrogels.

The outcomes of the research have unveiled that the hybrid hydrogels display enhanced biofunctional properties. Notably, the integration of fibrinogen into these dual-cure hybrid hydrogels has improved cell viability, facilitated the development of cellular extensions reminiscent of native tissues, and exhibited superior potential for osteodifferentiation. These results highlight the enhanced biofunctionality of the hybrid hydrogels and their positive impact on cellular behaviour. Moreover, the dual-cure properties offer adaptability to the defect site, presenting potential applications in periodontal and bone regeneration.

Mishra Apurva
PhD Student (Oral Sciences)

The outcomes of the research have unveiled that the hybrid hydrogels display enhanced biofunctional properties.



Hydrogel Tissue Advancements
Research enhances gelatin hydrogels with fibrinogen and dual-cure method, promising breakthroughs in regenerative medicine.



Clarice Sabino

Exchange MSc Student
from São Paulo State University, Brazil

This discovery holds profound implications for oral health by offering the potential to minimise the risks of infections.

Breaking Barriers: Igniting a New Chapter in Dental Materials Evolution

A collaborative study between São Paulo State University (Brazil) and the National University of Singapore (NUS) reveals improved mechanical and antimicrobial properties in translucent zirconia following the application of a boron-containing coating.

Ms Clarice Sabino is a Master's student at São Paulo State University (UNESP, Brazil), under the supervision of Dr Renata Marques de Melo Marinho. She was awarded a scholarship for a six-month research exchange internship at NUS to evaluate the antimicrobial properties of novel ceramic coatings with enhanced mechanical properties, which she has been developing as part of her Master's project in Brazil. This international collaboration between UNESP and NUS is strategically aimed at developing new strategies to improve properties and reduce biofilm formation on the surface of ceramics and other biomaterials.

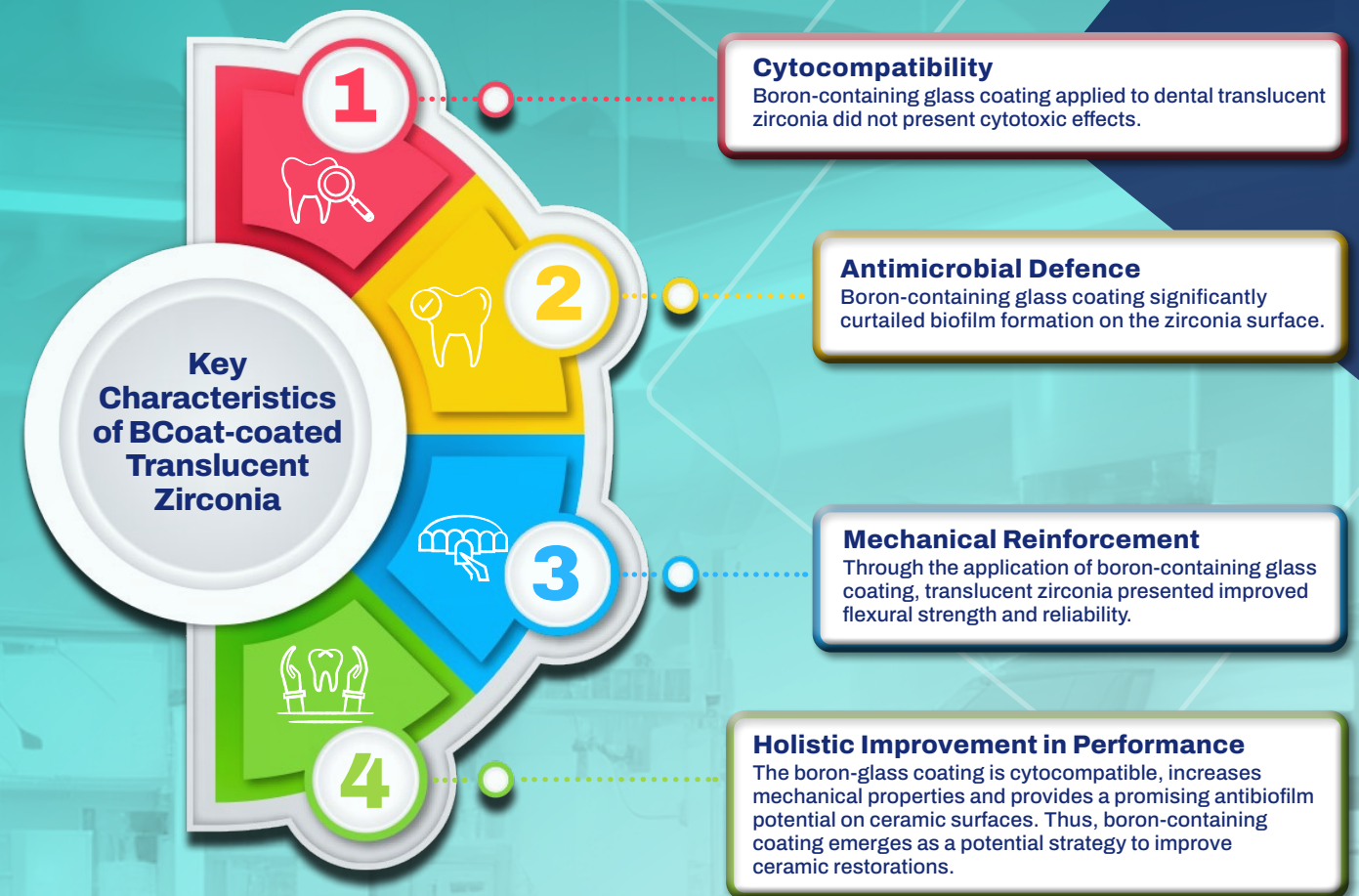
Working under the guidance of National University of Singapore (NUS) and NUS Dentistry researchers including Associate Professor Vinicius Rosa, Associate Professor Tan Kai Soo, Dr Shruti Vidhawan Agarwalla, Dr Deby Fajar Mardhian, and Ms Lekshmi Ravisankar, the study sought to assess the mechanical and antimicrobial properties of translucent zirconia through the application of a boron-containing coating called 'BCoat'.

A key finding of this research is the noteworthy enhancement in mechanical properties and reliability of BCoat-coated translucent zirconia and its potential, particularly in applications where robustness is paramount, such as dental prosthetics. Furthermore, the study meticulously examined the antimicrobial properties of BCoat-coated translucent zirconia. The assays, carried out at NUS, unveiled a significant reduction in biofilm formation, underscoring the coating's effectiveness in inhibiting microbial adhesion. This discovery holds profound implications for oral health by offering the potential to minimise the risks of infections and complications linked to dental materials.

Another critical aspect of the study was the assessment of the BCoat-layered translucent zirconia's cytocompatibility or its toxicity risks. The research findings indicated that BCoat-layered translucent zirconia demonstrated no toxicity against human cells. This cytological compatibility further underscores the material's potential in dental applications without compromising patient well-being.

The research findings have since been published in *Dental Materials*, one of the most influential scientific publications in dentistry and received the IADR Kulzer Travel Award 2023.

The work performed by Ms Sabino underscores the importance of international and inter-institutional collaborations, emphasising how such partnerships enable teams to leverage expertise and capabilities that would not be achievable independently. This collective effort promotes scientific advancements and innovations in oral care.



Enhanced Dental Materials Solutions

BCoat emerges as an alternative to improve the clinical performance of ceramic restorations.



GLOBAL RELATIONS

Transforming the Future of Dentistry: Building Robust Connections, Uplifting Education and Research

DentAlliance, a strategic partnership formed by four of the world's premier dental schools, continues to further its objectives and transition from strength to strength.

Over the years, DentAlliance – a global partnership that comprises The University of North Carolina at Chapel Hill's Adams School of Dentistry; King's College London's Faculty of Dentistry, Oral & Craniofacial Sciences; The University of Melbourne's Melbourne Dental School; and NUS Faculty of Dentistry; has forged forward to spearhead high-level exchange of ideas and knowledge through events such as workshops, webinars, and hands-on training initiatives.

These projects build on the original objectives behind the formation of DentAlliance in 2020 – to facilitate the sharing and cross-pollination of ideas, trends, and expertise by experts from the four dental institutions.

Looking back on Academic Year 2022/23, what stands out is the scope and diversity of the activities held. A workshop on paediatric dentistry titled 'Expanding Your Practice: Everyday Paediatric Dentistry Made Easy' was held on 15 April 2023 and attracted close to 20 participants. During this one-day workshop, participants heard from four expert trainers on the topic of minimal intervention dentistry (MID) – the use of preventive measures and minimally invasive procedures to treat oral health conditions.

On 20 November 2022, the Faculty also participated in the 14th Dental Facial Cosmetic Conference organised by the Centre for Advanced Professional Practices (CAPP). The conference is part of DentAlliance's efforts to deliver continuing professional development on an international level and saw Dr Hu Shijia share his perspectives on the application of Silver Diamine Fluoride (SDF) as a restorative option in caries management.

Another milestone on the Faculty's calendar was the DentAlliance Symposium held on 18 October 2022. The event brought together the Deans and representatives from the four dental institutions to exchange ideas and plan collaborative ventures that address the significant challenges in oral, dental, and craniofacial health. In addition to a review of DentAlliance's achievements for the year, attendees were updated on the various Working Groups and provided details on how to participate in upcoming projects and activities.

Beyond DentAlliance, the Faculty continues to proactively build and enhance ties with like-minded institutions across the region. For example, Vice Dean (Clinical Affairs) Associate Professor Asher Lim participated in a visiting professorship at the Faculty of Dental Medicine at Universitas Airlangga, Indonesia, in November 2022.

During his visit, Assoc Prof Lim shared his knowledge and experience in managing temporomandibular joint disorder patients with residents and staff from the Department of Oral and Maxillofacial Surgery. The case discussions and live demonstrations conducted enabled a deeper understanding of complex procedures such as performing arthrocentesis under local anaesthesia. Highlighting the mutual benefits of these exchanges, Assoc Prof Lim revealed how both universities possessed unique strengths and infrastructures and that tapping on each other's expertise could advance teaching and patient care across the region. Shortly thereafter, the Faculty reciprocated by hosting Universitas Airlangga when they were in Singapore in February 2023.

During the year, the Faculty also hosted visiting students from as far afield as the University of Hong Kong; Manipal College of Dental Sciences, India; Karolinska Institute (Sweden) Sweden; and São Paulo State University. These visits to the NUS Faculty of Dentistry have allowed students to gain valuable insights into state-of-the-art oral healthcare practices and technology.

Be it through the auspices of DentAlliance or via bilateral arrangements, the Faculty remains steadfast in fostering collaborative outreach efforts that provide global opportunities for staff and students, enhancing oral health and systemic well-being across all rungs of society.



CAPP 14th Dental Facial Cosmetic Conference



Exchange Visits between NUS Dentistry and Universitas Airlangga



DEVELOPMENT

DONATIONS RECEIVED

JULY 2022 - JUNE 2023

The Faculty wishes to extend our heartfelt appreciation to our generous donors who had made gifts totalling \$423,706 during the last financial year.

Thank you for your generosity in supporting the Faculty towards our mission to improve oral health through academic excellence, high impact research, and quality clinical service.

\$100,000 - \$249,999

Anonymous Alumnus
Ng Chin Siau

\$10,000 - \$49,999

Ace Star Dental Services Pte Ltd
I.Dental Group Pte Ltd
Kaan Sheung Kin
Stomatognathic Services Pte Ltd
Tay Seng Kong, Louis

\$1,000 - \$9,999

Ang Kim Heok
Chen Hsiao-Yun, Louis
Chiew Yim Tho
Chua Choong Tze
Edy Hardijana Tjugito
Hu Shijia
Huang Shiming
Kaung Myat Win
Lai Wen Pui, Bien
Lee Kwee Jin
Lim Gim Teck
Lim Mei Yian
Lu Weixun, Wilson
Mok Yuen Pun, Clara
Mok Yuen Yue, Betty
Ng Bee Lang
Ng Chin Ang
Ng Keane
Ngau Boon Keat
Sankaran Basanti
Sendra Gunawan
Sng Tiap Ching, Matthew
SymAsia Singapore Fund
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Yow Mimi

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Lee Yoke Chun
Leow Kang Piau, Michael
Liew You San
Lim Muhammad Syazwan
Lim Shy Min
Lim Soo Hwee, Clarence
Lim Sor Kheng
Lim Sze How
Lim Wei Ying, Justine
Lim Wen Yi
Loh Hong Sai
Loke Shu Yi
Long Lynette
Low Li Yong
Lwi Zhen Yu, Kenneth
Lye Nee Fah
Moe Peter
Ong Xingjun, Brandon
Pan Kok Mun, Melvin
Pang Kim Hin
Phang Minle, Valene
Poon Kah Chai
Seah Ai Lay
See Yong Hai
Shahira Binte Abdullah
She Meiling, Charmaine
Shi Hongyi, Adrian
Soh Lena
Soh Ting Song
Tan Andre
Tan Eng Seong, Phillip
Tan Keng Yang, Darrell
Tan Wan Yi, Serena
Tan Yee May
Taufik Johannes
Wong Keng Mun
Wong Kien Keong
Wong Kuan Yee
Yap Kian Hwee, Kenny
Yap Sian Lay
Yeo Yong Yan





STAFF ENGAGEMENT

Fostering Safety and Health Excellence

Throughout the Academic Year 2022/23, the Faculty maintained its dedication to cultivate a wellness-oriented culture that nurtures staff well-being and enhances employee fulfilment.

In line with the theme “Love Your Mind, Body, Soul”, the Faculty, in collaboration with NUS Health and Wellbeing Office introduced a series of thoughtfully crafted programmes to improve cognitive, emotional, and physical well-being. These included engaging workshops such as ‘Workplace Ergonomics’, and ‘Yoga for Ergonomic Health’, held on 5 August 2023 and November 2023 respectively, where participants gained the opportunity to learn useful stretching techniques to improve their poise as well as understand how to use the features of an office chair to enhance their posture effectively.

To enhance physical fitness, employees were also encouraged to accomplish a minimum of 10,000 steps daily in the ‘Dentistry Steps Challenge’ and participate in walks around the NUS campus or Kent Ridge Park. Beyond ergonomic and physical wellbeing, the Faculty actively championed mental wellness as an integral component of its health and wellness initiatives. For instance, through the ‘Workshop on Mental Resilience’ held on 28 September 2023, participants acquired valuable insights into essential strategies for building resilience and effectively managing stress.

Beyond prioritising staff well-being, the Faculty places paramount emphasis on ensuring a safe and secure workplace environment. Recognising the intrinsic connection between employee welfare and productivity, the Total Workplace Safety and Health (TWSH Committee) diligently conducts routine ‘Gemba Walks’ to inspect and reinforce safe practices as well as implement areas for improvement.

In recognition of its commitment to fostering safety and staff well-being, the Faculty received the Commendation Award during the NUS Safety & Health Awards (NUSSHA) ceremony on 23 October 2023. This accolade serves as a testament to our unwavering dedication to promoting the health and wellness of our valued staff. Looking ahead, in the upcoming year, we are determined to further elevate our standards of excellence. This involves expanding our array of wellness and safety activities and initiatives to better cater to the diverse needs of our staff.



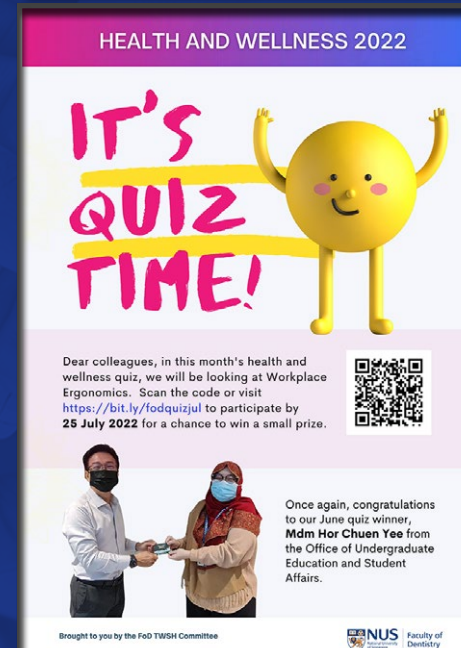
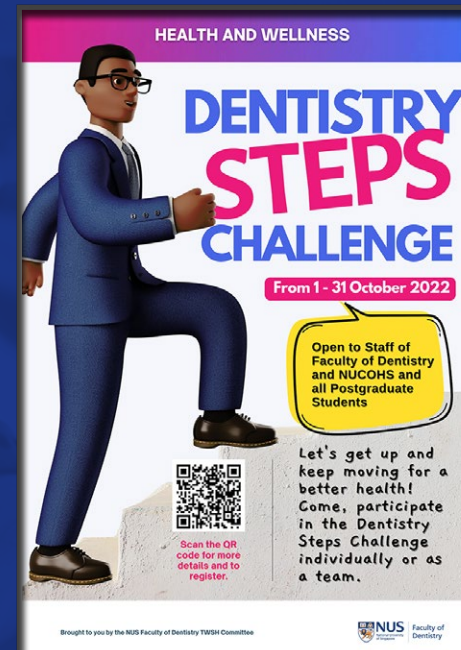
Yoga for Ergonomic Health Workshop



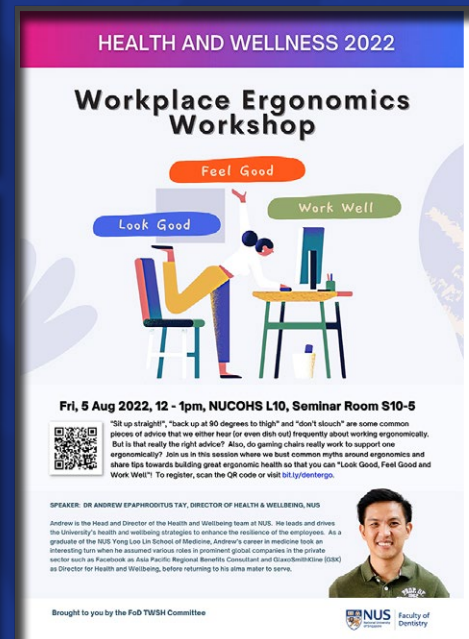
Amazing Walks



Best Way To Spend 1 Hour On Your Well-being



Wellness Workshops and Activities



The Faculty places paramount emphasis on ensuring a safe and secure workplace environment.

Remembering

ASSOCIATE PROFESSOR JENNIFER NEO

Associate Professor Jennifer Neo, a luminary in the field of dentistry, left an indelible mark during her distinguished career with the NUS Faculty of Dentistry. Serving various key leadership roles, she propelled the Faculty towards innovation and excellence.

In her capacity as Head, Department of Restorative Dentistry and later Director, Discipline of Endodontics, Operative Dentistry and Prosthodontics, her passion for education inspired many colleagues to innovate in the areas of teaching and learning. She mentored and guided them in their professional development as dental educators and researchers, thus actively shaping the dental education landscape. Assoc Prof Neo also contributed to Faculty-level committees and workgroups such as the Faculty Curriculum Committee (2016 – 2019) and the Faculty Teaching Excellence Committee (2016 – 2019). Her visionary approach and invaluable experience guided the evolution of dental education, leaving a lasting imprint on the Faculty's ethos. Despite her passing, her extraordinary service and remarkable devotion continue to inspire gratitude and admiration which stems from her life journey dedicated to the pursuit of knowledge and service to others.

Beyond the Faculty, Assoc Prof Neo was engaged in the work of various University-wide initiatives including representation on the NUS Institutional Review Board Member (2004 – 2016). At the national level, she continued to fly the Faculty's flag high and contributed to the work of numerous groups such as the Singapore Dental Council (SDC) Complaints Committee (2006 – 2016); SDC Disciplinary Committee (2008 – 2022); SDC Continuing Professional Education Sub-Committee (2003 – 2024) and SDC Credentials Sub-Committee (2009 – 2024); MOH Dental Specialists Accreditation Board (2014 – 2016) and Singapore Medical Council Complaints Panel (2018 – 2020).

Her stellar contributions and dedication were recognised with prestigious awards, including the National Day Award - Public Administration (Bronze) Medal in 2011 and The Long Service Award (40 years) from the National University of Singapore (NUS) and the National University Hospital (NUH) in 2021. Assoc Prof Neo's enduring legacy resides in her transformative impact on dental education and the many generations of dental graduates as well as her unwavering commitment to the well-being of the wider healthcare community.

ASSOC PROF NEO'S KEY APPOINTMENTS AND AWARDS

During the course of her distinguished career with the University, she held several key appointments in the Faculty including:



Voices of Remembrance



From left to right Dr Huang Shi Ming, Dr Leung Wing Hung, Dominic, Late Assoc Prof Jennifer Neo, Adj Assoc Prof Hwang Yee Cheau, Emeritus Prof Chew Chong Lin, Assoc Prof Patrick Tseng, Dr Ng Chin Siau, Dr Tan Teck Siang, Gerald at NUS Dentistry Donor Appreciation Dinner 2022.

“

As I reflect on Associate Professor Jennifer Neo's lasting influence, she is remembered significantly for her contributions to professional development and a shared commitment to excellence.”

Assoc Prof Neo wasn't just a close colleague and friend; she was the force behind many of the national policies on the use of dental materials and was instrumental in changing educational pathways. Through collaborating on topics like water fluoridation, continuing professional education, and lifelong learning, I realised she wasn't just passionate about seeing through projects but also steadfast in navigating uncharted waters and making a profound impact on the oral and overall well-being of the community. This supported the development of policies for our public dental services.

Assoc Prof Neo's approachability, diplomacy, and compassionate character left an indelible mark on many who had the opportunity to work with her.

Associate Professor Patrick Tseng
Executive Director, National University Centre for Oral Health, Singapore and previous Chief Dental Officer at the Ministry of Health, Singapore

“

Associate Professor Jennifer Neo was a warm and generous lady who was well-loved by those around her. She was popular with the dental students and was well-respected by them.”

Over the years that she taught at NUS Dentistry, she forged strong bonds with our alumni and made efforts to stay connected with them through regular meet-ups and alumni events.

A devoted staff of the Faculty, Assoc Prof Neo actively championed causes she believed in, consistently prioritising student welfare. Thanks to her strong alumni network, Assoc Prof Neo was instrumental in garnering overwhelming support for the Chew Chong Lin Dental Bursary, which provides financial aid for our undergraduate students who are in need.

Dr Betty Mok
Associate Director (Alumni Relations) and Senior Lecturer at NUS Dentistry



From left to right Dr Lee Siew King, Terence, Late Assoc Prof Jennifer Neo, Dr Clara Mok, Dr Betty Mok, Assoc Prof Lim Ah Tong, Asher.

“

Associate Professor Jennifer Neo's influence as an educator and mentor resonated deeply across academia and professional practice.”

Through innovative teaching methodologies, such as role reversal, she cultivated critical thinking and active student participation. Her inclusive open-door policy provided a nurturing environment for addressing academic, personal, and career-related concerns. As a dentist, Assoc Prof Neo's unwavering commitment to patient-centred care and empathy enriched clinical practices and patient experiences.

I aspire to continue honouring Assoc Prof Neo's enduring legacy in my leadership. This commitment involves fostering mentorship, championing continuous learning, and upholding standards of excellence across academic and professional realms, thereby cultivating a vibrant, collaborative, and compassionate dental community.

Associate Professor Chng Chai Kiat
Chief Dental Officer, Ministry of Health, Singapore



Assoc Prof Chng Chai Kiat (right) with Late Assoc Prof Jennifer Neo.

“

Our class was the first “op tech” class that Associate Professor Jennifer Neo took upon her return from her Master's degree. We held a special place in her heart and vice versa.”

Even though we were about 10 years younger, we became friends and kept in touch with her after our graduation. What stood out for us was not so much her teaching techniques but how she related to us as her students. She treated us as equals, and we respected her and treated her as “one of us.” Assoc Prof Neo never struck us as someone with any “airs.” She was always ready to assist and help in a non-intrusive manner while being exceptionally sharp and witty. We will miss her as a friend and an exceptional educator, always ready to impart valuable knowledge and skills both professionally and personally.

Dr Lim Kheng Ann
NUS Dentistry Alumnus (Class of 1988)



From left to right Late Assoc Prof Jennifer Neo, Dr Lim Choon Peng, Dr Lim Kheng Ann during a gathering with fellow alumni (Class of 1988).

Staff Listings

NUS LONG SERVICE AWARD RECIPIENTS @ 31 DECEMBER 2022

S/N	NAME	YEARS OF SERVICE
1	Mr Ang Biang Soon	40
2	Dr Mok Yuen Yue, Betty	30
3	Associate Professor Hsu Chin-Ying, Stephen	25
4	Associate Professor Fu Jia Hui	15
5	Ms Lee Hwee Hoon, Sharon	15
6	Ms Lim Tzer Ai, Sharon	15
7	Ms Tan Tze Hwee, Denise	15
8	Ms Yuan Chunxia	15
9	Associate Professor Vinicius Rosa	10
10	Dr Gopu Sriram	5
11	Dr Quek Eng Yew, Christopher	5
12	Ms Chia Ghee Chuan, Ada	5
13	Mr Lim Yu Sheng	5
14	Mr Manlunas Rastytoto Capili	5
15	Ms Ng Zi Wei	5
16	Ms Sim Yu Fan	5

NUH LONG SERVICE AWARD RECIPIENTS 1 JULY 2022 AND 31 DECEMBER 2022

S/N	NAME	YEARS OF SERVICE
1	Associate Professor Hsu Chin-Ying, Stephen	25
2	Associate Professor Lim Ah Tong, Asher	25
3	Associate Professor Fu Jia Hui	15
4	Dr Liew Kang Ming, Melvin	10
5	Dr Lum Jing Li	10
6	Dr Yong Chee Weng	5

OTHER AWARD RECIPIENTS 1 JULY 2022 - 30 JUNE 2023

S/N	NAME	AWARDS
1	Dr Lim Li Zhen	Annual Digital Education Award (ADEA) Team 2022
2	Associate Professor Fu Jia Hui	Annual Teaching Excellence Award (ATEA) 2022
3	Associate Professor Patrick Tseng	Distinguished Senior Clinician Award 2022
4	Associate Professor Fu Jia Hui	Faculty of Dentistry Excellence in Teaching Award AY2021/2022
5	Dr Gopu Sriram	Faculty of Dentistry Excellence in Teaching Award AY2021/2022
6	Dr Sayaka Tada	Faculty of Dentistry Excellence in Teaching Award AY2021/2022
7	Dr Gabriel Lee Keng Yan	IADR Geriatric Oral Research Group, Faculty of Dentistry, NUS
8	Dr Tan Mei Na	Teaching Excellence Award 2022
9	Dr Yong Chee Weng	Teaching Excellence Award 2022

NUS PROMOTIONS

S/N	NAME	APPOINTMENT
1	Dr Rahul Harshad Nagadia	Clinical Senior Lecturer
2	Dr Chan Pei Yuan	Clinical Lecturer

NUS PROMOTIONS

S/N	NAME	APPOINTMENT
3	Dr Chia Ai Ping, Vanessa	Clinical Lecturer
4	Dr Tan Mei Hui	Clinical Lecturer
5	Dr Wu Siwen	Clinical Lecturer
6	Mr Boo Kin Poh, Daniel	Senior Manager
7	Mdm Nurazreen Binte Mohamed Zaid	Senior Manager
8	Mdm Hor Cheun Yee	Manager
9	Mdm Sim Yu Fan	Manager
10	Dr Wong Chung Wen, Raymond	Associate Professor
11	Dr Leung Wing Hung, Dominic	Adjunct Associate Professor
12	Ms Azlia Aziz	Management Assistant Officer Grade 2
13	Mr Goh Jun Kang, Dennis	Laboratory Technologist Grade 2

NUH PROMOTIONS

S/N	NAME	APPOINTMENT
1	Associate Professor Yeo Boon Keng, Alvin	Senior Consultant
2	Dr Lim Li Zhen	Consultant
3	Dr Chew Ren Jie, Jacob	Associate Consultant
4	Dr Ruth Choe Wei	Associate Consultant
5	Dr Soh Shean Han	Associate Consultant
6	Dr Chen Wei Jin, Matthias	Registrar
7	Dr Chua Ming Cheng, Jeannette	Registrar
8	Dr Chung Qi Yan	Registrar
9	Dr Ishreen Kaur Dhillon	Registrar
10	Dr Sim Ruiqi, Paul	Registrar
11	Dr Loy Chang Hoe, Richmond	Registrar
12	Dr Lu Weixun, Wilson	Consultant
13	Dr Yong Chee Weng	Associate Consultant

NUS STAFF

S/N	NAME	APPOINTMENT
1	Assoc Prof Cao Tong	Associate Professor
2	Assoc Prof Foong Weng Chiong, Kelvin	Associate Professor
3	Assoc Prof Fu Jia Hui	Associate Professor
4	Assoc Prof Gao Xiaoli	Associate Professor
5	Assoc Prof Hong Hsu Ling, Catherine	Associate Professor
6	Assoc Prof Hsu Chin-Ying, Stephen	Associate Professor
7	Assoc Prof Intekhab Islam	Associate Professor
8	Assoc Prof Tan Beng Choon, Keson	Associate Professor
9	Assoc Prof Tan Kai Soo	Associate Professor
10	Assoc Prof Toh Wei Seong	Associate Professor
11	Assoc Prof Vinicius Rosa	Associate Professor
12	Assoc Prof Wong Chung Wen, Raymond	Associate Professor
13	Assoc Prof Wong Mun Loke	Associate Professor
14	Assoc Prof Yeo Boon Keng, Alvin	Associate Professor
15	Assoc Prof Yu Soo Hoon, Victoria	Associate Professor
16	Dr Goh Enhui, Charlene	Assistant Professor
17	Dr Gopu Sriram	Assistant Professor
18	Dr Hu Shijia	Assistant Professor

NUS STAFF

S/N	NAME	APPOINTMENT
19	Dr Nileshkumar Dubey	Assistant Professor
20	Dr Sayaka Tada	Assistant Professor
21	Dr Chew Ren Jie, Jacob	Academic Fellow
22	Dr Ishreen Kaur Dhillon	Academic Fellow
23	Dr Lee Kong Fei, Frank	Assistant Professor
24	Dr Lim Li Zhen	Academic Fellow
25	Dr Loh Eu-Min, Eugene Lester	Academic Fellow
26	Dr Mok Yuen Pun, Clara	Senior Lecturer
27	Dr Mok Yuen Yue, Betty	Senior Lecturer
28	Dr Quek Eng Yew, Christopher	Senior Lecturer
29	Dr Tan Hee Hon	Senior Lecturer
30	Dr Lee Keng Yan Gabriel	Lecturer
31	Dr Tan Ming Yi	Lecturer
32	Dr Kok Xiu Ling, Florence	Senior Tutor
33	Dr Bernadette Quah	Instructor
34	Dr Lua Siew Pei, Eunice	Instructor
35	Dr Seet Ren Hao	Instructor
36	Dr Sng Jie Han, Timothy	Instructor

NUCOHS CLINICIANS

S/N	NAME	APPOINTMENT
1	Assoc Prof Lim Ah Tong, Asher	Associate Professor
2	Assoc Prof Tseng Seng Kwong, Patrick	Associate Professor
3	Dr Chiew Yim Tho	Assistant Professor
4	Dr Chen Wei Jin, Matthias	Assistant Professor
5	Dr Choe, Ruth Wei	Assistant Professor
6	Dr Chua Kho Xian, Sarah	Assistant Professor
7	Dr Chua Ming Cheng, Jeannette	Assistant Professor
8	Dr Chung Qi-Yan	Assistant Professor
9	Dr Hong Kanglun	Assistant Professor
10	Dr Leo Sze Yin	Assistant Professor
11	Dr Liew Kang Ming, Melvin	Assistant Professor
12	Dr Loh Ser Pheng, John	Assistant Professor
13	Dr Loy Chang Hoe, Richmond	Assistant Professor
14	Dr Lu Weixun, Wilson	Assistant Professor
15	Dr Lu Xiaotong, Jacinta	Assistant Professor
16	Dr Lum Jing Li	Assistant Professor
17	Dr Ode Wataru	Assistant Professor
18	Dr Sim Chien Joo	Assistant Professor
19	Dr Sim Ruiqi, Paul	Assistant Professor
20	Dr Tan Mei Na	Assistant Professor
21	Dr Tan Ying Rui	Assistant Professor
22	Dr Tay Chong Meng	Assistant Professor
23	Dr Uy Joanne Ngo	Assistant Professor
24	Dr Wang Chia-Wei, Wendy	Assistant Professor
25	Dr Yong Chee Weng	Assistant Professor
26	Dr Yu Tsao Pan, Peter	Assistant Professor

RESEARCH STAFF

S/N	NAME	APPOINTMENT
1	Dai Yichen	Research Assistant
2	Neo Zu'en, Joanne	Research Assistant
3	Lekshmi Ravisankar	Research Assistant
4	Lin Yu-Tong @ Lin Ruby	Research Assistant
5	Koh Mun Yee, Sarah	Research Assistant
6	Wong Woon Seng	Research Assistant
7	Tang Yi Ling	Research Associate
8	Navinkumar Jayvant Patil	Research Fellow
9	Tan Guang Rong	Research Fellow

CLINICAL FACULTY SCHEME @ 31 MARCH 2023

S/N	NAMES	APPOINTMENT	INSTITUTE
1	Cl Assoc Prof Chen Nah Nah	Clinical Associate Professor	National Dental Centre Singapore
2	Cl Assoc Prof Chew Ming Tak	Clinical Associate Professor	National Dental Centre Singapore
3	Cl Assoc Prof Goh Bee Tin	Clinical Associate Professor	National Dental Centre Singapore
4	Cl Assoc Prof Lui Jeen Nee	Clinical Associate Professor	National Dental Centre Singapore
5	Cl Assoc Prof Ong Meng Ann, Marianne	Clinical Associate Professor	National Dental Centre Singapore
6	Cl Assoc Prof Poon Choy Yoke	Clinical Associate Professor	National Dental Centre Singapore
7	Cl Assoc Prof Sim Poh Choo, Christina	Clinical Associate Professor	National Dental Centre Singapore
8	Cl Assoc Prof Tan Ken	Clinical Associate Professor	National Dental Centre Singapore
9	Cl Assoc Prof Tay Ban Guan, Andrew	Clinical Associate Professor	National Dental Centre Singapore
10	Cl Assoc Prof Teoh Khim Hean	Clinical Associate Professor	National Dental Centre Singapore
11	Cl Assoc Prof Yap U-Jin, Adrian	Clinical Associate Professor	NTFGH - Jurong Health Campus
12	Cl Assoc Prof Yow Mimi	Clinical Associate Professor	National Dental Centre Singapore
13	Dr Low Huey Moon	Clinical Senior Lecturer	Khoo Teck Puat Hospital
14	Dr Chee Hoe Kit	Clinical Senior Lecturer	National Dental Centre Singapore
15	Dr Choo Johanna	Clinical Senior Lecturer	National Dental Centre Singapore
16	Dr Ho Chee Wai, Henry	Clinical Senior Lecturer	NTFGH - Jurong Health Campus
17	Dr Koh Chu Guan	Clinical Senior Lecturer	National Dental Centre Singapore
18	Dr Lai Wen Pui Bien	Clinical Senior Lecturer	National Dental Centre Singapore
19	Dr Lim Kuen Fui, Ivan	Clinical Senior Lecturer	National Dental Centre Singapore
20	Dr Quek Heng Chuan	Clinical Senior Lecturer	National Dental Centre Singapore
21	Dr Rahul Harshad Nagadia	Clinical Senior Lecturer	National Dental Centre Singapore
22	Dr See Toh Yoong Liang	Clinical Senior Lecturer	National Dental Centre Singapore
23	Dr Soong Poh Luon	Clinical Senior Lecturer	National Dental Centre Singapore
24	Dr Tan Ben Poon, Danny	Clinical Senior Lecturer	National Dental Centre Singapore
25	Dr Tan Hui Ling, Vivien	Clinical Senior Lecturer	Tan Tock Seng Hospital
26	Dr Tan Li Yen, Elaine	Clinical Senior Lecturer	National Dental Centre Singapore
27	Dr Lim Wanyi	Clinical Lecturer	Health Promotion Board
28	Dr Chan Pei Yuan	Clinical Lecturer	Khoo Teck Puat Hospital
29	Dr Chay Pui Ling	Clinical Lecturer	KK Women's and Children's Hospital
30	Dr Chia Ai Ping, Vanessa	Clinical Lecturer	National Dental Centre Singapore
31	Dr Lai Ye Choung	Clinical Lecturer	NTFGH - Jurong Health Campus
32	Dr Lee Wan Zhen	Clinical Lecturer	National Dental Centre Singapore
33	Dr Leonardo Saigo	Clinical Lecturer	National Dental Centre Singapore

CLINICAL FACULTY SCHEME @ 31 MARCH 2023

S/N	NAMES	APPOINTMENT	INSTITUTE
34	Dr Ng Jing Hao	Clinical Lecturer	National Dental Centre Singapore
35	Dr Sia Kia Suan, Priscilla	Clinical Lecturer	Khoo Teck Puat Hospital
36	Dr Song Yi Lin	Clinical Lecturer	National Dental Centre Singapore
37	Dr Tan Mei Hui	Clinical Lecturer	National Dental Centre Singapore
38	Dr Tan Shao Yong	Clinical Lecturer	Khoo Teck Puat Hospital
39	Dr Wong Li Beng	Clinical Lecturer	NTFGH - Jurong Health Campus
40	Dr Wong Ren Jie, Patricia	Clinical Lecturer	National University Polyclinics
41	Dr Wu Siwen	Clinical Lecturer	National Dental Centre Singapore
42	Dr Tan Hui Xian, Melissa	Clinical Teacher	Health Promotion Board
43	Dr Chew Qin'An, Amelia	Clinical Teacher	National Dental Centre Singapore
44	Dr Foo Lean Heong	Clinical Teacher	National Dental Centre Singapore
45	Dr Koo Chieh Shen	Clinical Teacher	KK Women's and Children's Hospital
46	Dr Lee Qi Qi	Clinical Teacher	National Dental Centre Singapore
47	Dr Lim Wen Yi	Clinical Teacher	National Dental Centre Singapore
48	Dr Neo Tian Cheng	Clinical Teacher	National University Polyclinics
49	Dr Ng Chee Wee, Benjamin	Clinical Teacher	National University Polyclinics
50	Dr Ng, Sabrina Livia	Clinical Teacher	National Dental Centre Singapore
51	Dr Qian Li	Clinical Teacher	National Dental Centre Singapore
52	Dr Tan En En	Clinical Teacher	Khoo Teck Puat Hospital
53	Dr Tan Wye Lynn	Clinical Teacher	National Dental Centre Singapore
54	Dr Thio Yan Li, Nicole Agnes	Clinical Teacher	National Dental Centre Singapore
55	Dr Wee Chong Yaw, Benjamin	Clinical Teacher	National University Polyclinics
56	Dr Wong Kuan Yee	Clinical Teacher	Khoo Teck Puat Hospital
57	Dr Yang Jingrong	Clinical Teacher	National Dental Centre Singapore
58	Dr Yee Hui Xin, Sophia	Clinical Teacher	Khoo Teck Puat Hospital
59	Dr Yee Ruixiang	Clinical Teacher	KK Women's and Children's Hospital

ADJUNCT APPOINTMENT SCHEME @ 31 MARCH 2023

S/N	NAMES	APPOINTMENT	INSTITUTE
1	Adj Assoc Prof Cheng Chi Chung, Ansgar	Adjunct Associate Professor	
2	Adj Assoc Prof Chng Chai Kiat	Adjunct Associate Professor	
3	Adj Assoc Prof Chung Kong Mun	Adjunct Associate Professor	
4	Adj Assoc Prof Elliott, Myra nee Lin Wen Jui	Adjunct Associate Professor	
5	Adj Assoc Prof Goh Kwee Chien, Benny	Adjunct Associate Professor	
6	Adj Assoc Prof Hwang Yee Cheau	Adjunct Associate Professor	
7	Adj Assoc Prof Kwek Swee Nguang, Henry	Adjunct Associate Professor	
8	Adj Assoc Prof Lee Chee Wee	Adjunct Associate Professor	
9	Adj Assoc Prof Leung Wing Hung	Adjunct Associate Professor	
10	Adj Assoc Prof Lim Kian Chong, Gerald	Adjunct Associate Professor	
11	Adj Assoc Prof Loh Fun Chee	Adjunct Associate Professor	
12	Adj Assoc Prof Loh Kai Woh	Adjunct Associate Professor	
13	Adj Assoc Prof Loh Poey Ling	Adjunct Associate Professor	
14	Adj Assoc Prof Mohamed Azharashid Bin Mohamed Tahir	Adjunct Associate Professor	
15	Adj Assoc Prof Ong Eng Yau	Adjunct Associate Professor	

ADJUNCT APPOINTMENT SCHEME @ 31 MARCH 2023

S/N	NAMES	APPOINTMENT
16	Adj Assoc Prof Robinson Narendran Andrew	Adjunct Associate Professor
17	Adj Assoc Prof Tan Hwee Hiang	Adjunct Associate Professor
18	Adj Assoc Prof Tan Thong Kwan, Benjamin	Adjunct Associate Professor
19	Adj Assoc Prof Tan Tzee Jen	Adjunct Associate Professor
20	Adj Assoc Prof Tay Lai Hock, Alphonsus	Adjunct Associate Professor
21	Dr Natascha Ekawati Putri Bunjamin	Adjunct Assistant Professor
22	Dr Ang Chee Wan	Adjunct Senior Lecturer
23	Dr Bai Shuren Adrian	Adjunct Senior Lecturer
24	Dr Chan Siew Luen	Adjunct Senior Lecturer
25	Dr Chng Huey Shin	Adjunct Senior Lecturer
26	Ms Ho Koon Chyn, Florence	Adjunct Senior Lecturer
27	Dr Kaan Sheung Kin	Adjunct Senior Lecturer
28	Dr Lee Hoon Hwee	Adjunct Senior Lecturer
29	Dr Lee Kwee Jin	Adjunct Senior Lecturer
30	Dr Lim Ching Chiat	Adjunct Senior Lecturer
31	Dr Lim Chong Yang, Arthur	Adjunct Senior Lecturer
32	Dr Lim Gim Teck	Adjunct Senior Lecturer
33	Dr Lim Michael	Adjunct Senior Lecturer
34	Dr Liu Hao Hsing	Adjunct Senior Lecturer
35	Dr Loganathan Vijayan	Adjunct Senior Lecturer
36	Dr Neo Tee Khin	Adjunct Senior Lecturer
37	Dr Ng Chai Hoon, Clarisse	Adjunct Senior Lecturer
38	Dr Ng Jing Jing	Adjunct Senior Lecturer
39	Dr Ong Hoe Boon	Adjunct Senior Lecturer
40	Dr Pang Soon Eng	Adjunct Senior Lecturer
41	Dr Phay Yew Ming	Adjunct Senior Lecturer
42	Dr Sankaran Basanti	Adjunct Senior Lecturer
43	Dr Shahul Hameed	Adjunct Senior Lecturer
44	Dr Soh Shean Han	Adjunct Senior Lecturer
45	Dr Teh Kiat Seong	Adjunct Senior Lecturer
46	Dr Toh Siew Luan	Adjunct Senior Lecturer
47	Dr Tong Huei Jinn	Adjunct Senior Lecturer
48	Dr Wong Keng Mun	Adjunct Senior Lecturer
49	Dr Wong Soon May, Adeline	Adjunct Senior Lecturer
50	Dr Chang Hui Min, Jaime	Adjunct Lecturer
51	Dr Chin Yee Fatt	Adjunct Lecturer
52	Dr Leong Woei Jian, Elvin	Adjunct Lecturer
53	Dr Lim Toh Seong, Andy	Adjunct Lecturer
54	Dr Md Badrun Nafis Bin Saion	Adjunct Lecturer
55	Dr Ong Kheng Kok	Adjunct Lecturer
56	Dr Ong Teng Sin	Adjunct Lecturer
57	Dr Tan Kian Meng	Adjunct Lecturer
58	Dr Thean Tsin Piao	Adjunct Lecturer
59	Dr Wee Tze Haur	Adjunct Lecturer
60	Dr Yap Kin Wai	Adjunct Lecturer
61	Dr Ung Youlin Justina	Adjunct Instructor

PART-TIME TEACHING APPOINTMENT SCHEME @ 31 MARCH 2023

S/N	NAMES	APPOINTMENT
1	Ms Chain Xiao Jing, Felicia	Part-time Lecturer
2	Dr Loke Weiqiang	Part-time Lecturer
3	Dr Poon Kee Hwang	Part-time Lecturer
4	Dr Seow Yian San	Part-time Lecturer
5	Dr Sim Qiu Xia, Chelsia	Part-time Lecturer
6	Dr Wee Chun Kheng Eugene	Part-time Lecturer
7	Dr Ang Ee Choon, Richard	Part-time Tutor I
8	Dr Anwar Erica Jade	Part-time Tutor I
9	Dr Cheok Be Chen, Christina	Part-time Tutor I
10	Dr Chong Isaac	Part-time Tutor I
11	Dr Foo Mooh Thong	Part-time Tutor I
12	Dr Goh Xian Jun, Edwin	Part-time Tutor I
13	Dr Guo Weidi	Part-time Tutor I
14	Dr Heng Hui Mian, Nora	Part-time Tutor I
15	Dr Ho Kok Sen	Part-time Tutor I
16	Dr Hoang Tram Ngoc	Part-time Tutor I
17	Dr Huang Shuyan	Part-time Tutor I
18	Dr Jee Shizhuan, Terence	Part-time Tutor I
19	Dr Khng Kwang Yong, Kelvin	Part-time Tutor I
20	Dr Koh Chay Hui	Part-time Tutor I
21	Dr Koh Chee Keong, Ivan	Part-time Tutor I
22	Dr Koh Geok Sin, Sylvia	Part-time Tutor I
23	Dr Lee Ming Hsien, Albert	Part-time Tutor I
24	Dr Lee Pheng Hean, Bryce	Part-time Tutor I
25	Dr Leo Song Jie	Part-time Tutor I
26	Dr Leong Jack Min, Daylene	Part-time Tutor I
27	Dr Lew Hui Pau	Part-time Tutor I
28	Dr Lim Shy Min	Part-time Tutor I
29	Dr Lim Songping, Nicholas	Part-time Tutor I
30	Dr Lim Tian Wei, William	Part-time Tutor I
31	Dr Lin Dan	Part-time Tutor I
32	Dr Long Benjamin Charles	Part-time Tutor I
33	Dr Lu Zhiyin	Part-time Tutor I
34	Dr Mccully Leroy Edgar	Part-time Tutor I
35	Dr Phang Minle, Valene	Part-time Tutor I
36	Dr Phua Zong You, Jonathan	Part-time Tutor I
37	Dr Poon Kah Chai	Part-time Tutor I
38	Dr Sham Pui Yin, Enrica	Part-time Tutor I
39	Dr Sim Guat Bee, Irene	Part-time Tutor I
40	Dr Sim Peng Chuan, Timothy	Part-time Tutor I
41	Dr Sng Kong Chee	Part-time Tutor I
42	Dr Soo Steven	Part-time Tutor I
43	Dr Felicia Sharmila Sundram	Part-time Tutor I
44	Dr Tan Lisa	Part-time Tutor I
45	Dr Tan Sill Way, Sylvia	Part-time Tutor I
46	Dr Tan Tiat Heng, Edwin	Part-time Tutor I

PART-TIME TEACHING APPOINTMENT SCHEME @ 31 MARCH 2023

S/N	NAMES	APPOINTMENT
47	Dr Tan Wah Ching	Part-time Tutor I
48	Dr Tan Ying Han	Part-time Tutor I
49	Dr Tang Kok Siew	Part-time Tutor I
50	Dr Tay Koong Jiunn	Part-time Tutor I
51	Dr Tay Li Chye	Part-time Tutor I
52	Dr Teo Juin Wei	Part-time Tutor I
53	Dr Teo Kuo-Yih, Terence	Part-time Tutor I
54	Dr Tey Hwee Shinn, Valerie	Part-time Tutor I
55	Dr Yang Shi Lin, Sherine	Part-time Tutor I
56	Dr Yip Pei Wen, Natalia	Part-time Tutor I
57	Dr Chan Chin Ching, Daniel	Part-time Tutor II
58	Dr Chan Hui Ping, Berenice	Part-time Tutor II
59	Dr Choo Keang Hai	Part-time Tutor II
60	Dr Jeffrey Aaron De Vries	Part-time Tutor II
61	Dr Goh Kah Yee	Part-time Tutor II
62	Dr Goh Wan-Lin, Jacqueline	Part-time Tutor II
63	Dr Ho Wan Zhen	Part-time Tutor II
64	Dr Huam Yi Xiang	Part-time Tutor II
65	Dr Lam Colin	Part-time Tutor II
66	Dr Lee Bingwen	Part-time Tutor II
67	Dr Lee Chi Hong, Bruce	Part-time Tutor II
68	Dr Leong Yoon Hee	Part-time Tutor II
69	Dr Li Shanshan, Angela	Part-time Tutor II
70	Dr Lim Boon Kuan	Part-time Tutor II
71	Dr Lim Lii	Part-time Tutor II
72	Dr Lim Zixiang	Part-time Tutor II
73	Dr Low Zhi Yi, Nicholas	Part-time Tutor II
74	Dr Lwi Zhen Yu, Kenneth	Part-time Tutor II
75	Dr Ng Ren Jie, Jeffrey	Part-time Tutor II
76	Dr Phay Yong Kang	Part-time Tutor II
77	Dr Phoon Mei Yen, Natalie	Part-time Tutor II
78	Dr Quah Ying, Clare	Part-time Tutor II
79	Dr Sng Tiap Ching, Matthew	Part-time Tutor II
80	Dr Soh Tian En, Gladys	Part-time Tutor II
81	Dr Soon Hwee Ming	Part-time Tutor II
82	Dr Tan Jian'En, Julian	Part-time Tutor II
83	Dr Tan Wah Lay	Part-time Tutor II
84	Dr Wong Hon Syn, Kenny	Part-time Tutor II
85	Dr Wong Kai Li Kelly, Clare	Part-time Tutor II
86	Dr Yap Wai Yan	Part-time Tutor II

MOVING FORWARD

As we reflect on the achievements and progress of the past year, we are energised by the opportunities that lie ahead for the Faculty of Dentistry. Our commitment to excellence in dental education, research, and clinical practice remains steadfast as we embark on a journey towards shaping the future of oral healthcare.

At the heart of our mission is the drive to prepare the clinician, academic, and researcher of the future, equipping them with the skills and knowledge necessary to deliver person-centric care. We recognise that each patient is unique, and our programmes emphasise the importance of understanding individual needs and preferences to provide personalised treatment approaches. By fostering a culture of empathy, compassion, and patient-centeredness, we empower our graduates to make a meaningful impact on the lives of those they serve.

Central to our vision is the promotion of inter-professional and multi-disciplinary collaboration. We believe that by working closely with professionals from diverse fields, we can enrich our educational programmes, broaden our research initiatives, and enhance the quality of patient care. Through collaborative efforts, we aim to break down silos and foster innovative solutions to complex oral health challenges, ultimately improving outcomes for our patients and communities.

In an era of rapid technological advancement, we are committed to harnessing the power of artificial intelligence (AI) and other forms of technology to transform the Faculty's mission. By embracing cutting-edge tools and techniques, we aim to revolutionise dental education, research methodologies, and clinical practices. From virtual simulation laboratories to AI-driven diagnostics, we are exploring new avenues to enhance learning experiences, streamline workflows, and optimise patient outcomes.

As we look to the future, we are excited about the possibilities that lie ahead for the Faculty. With a commitment to excellence, collaboration, and innovation, we are poised to lead the way in advancing oral healthcare and shaping the next generation of dental professionals. Together, we will continue to strive towards our shared vision of a healthier world.



Professor Chris Peck
Dean
(with effect from 23 August 2023)



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