

..... Curriculum vitae

MOHD YUSMIAIDIL PUTERA MOHD YUSOF (DR.)

Professor & Consultant Forensic Odontologist &

Maxillofacial Radiologist

BDS MSc PhD MOHRE FPFA FICD



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Education

MOHRE (Health Research Ethics) University of Malaya, 2021

Dissertation: Development of Standard Electronic Informed Consent Checklist (STelCC) for Research Ethics Review

Ph.D. (Forensic Odontology) Ghent University, Belgium, 2016

Thesis: Contemporary Dental Age Estimation Models in Children and Sub-adults

PG. Dip. (Advanced Medical Imaging) Katholieke Universiteit Leuven, Belgium, 2014

Dissertation: Assessment of Neurovascular Canals in the Lateral Maxillary Sinus

M.Sc. (Forensic Odontology) Katholieke Universiteit Leuven, Belgium, 2012

Dissertation: Dental Age Estimation for Malay Children Based on All Permanent Teeth Types

B.D.S (Dental Surgery) University of Malaya, Malaysia, 2008

Specialty Areas

MAIN FIELD	SUB-FIELD	FIELD (SPECIALTY)	KEYWORDS
Medicine and Health Sciences	Dentistry	Forensic Odontology	Dental age estimation, Bitemark analysis, Meta-analysis
		Radiation Protection (Oral and Maxillofacial Radiology)	Cone beam CT, Repeat analysis, Forensic radiology
	Bioethics	Health Research Ethics	Electronic informed consent, IRB/REC oversight, Clinical trial

Ministry of Health, Malaysia (2008 – 2010)

- First Year Dental Officer (U41) at Queen Elizabeth Hospital and Luyang Dental Clinic, Kota Kinabalu, Sabah (15 July 2008 – 31 July 2009)
- Senior Dental Officer (U44) at Duchess of Kent Hospital and Sandakan Dental Clinic, Sandakan, Sabah (1 August 2009 – 31 July 2010)

Universiti Teknologi MARA (UiTM), Sungai Buloh Campus (2010 – present)

- Full Professor (VK7), Center for Oral and Maxillofacial Diagnostics and Medicine Studies, Faculty of Dentistry UiTM (16 March 2023 – present)
- Associate Professor (DUG56) and Consultant Forensic Odontologist and Oral and Maxillofacial Radiologist (*National Dental Specialist Registration No: FOD 00005 and OMFR 00007*), Center for Oral and Maxillofacial Diagnostics and Medicine Studies, Faculty of Dentistry UiTM (1 January 2019 – 15 March 2023)
- Senior Lecturer (DUG54) at Center for Oral and Maxillofacial Diagnostics and Medicine Studies, Faculty of Dentistry UiTM (8 August 2016 – 31 December 2018)
- Lecturer (DUG51) at Center for Oral and Maxillofacial Diagnostics and Medicine Studies, Faculty of Dentistry UiTM (1 August 2013 – 7 August 2016)
- Trainee Lecturer (DUG45 and DUG51P) at Center for Oral and Maxillofacial Diagnostics and Medicine Studies, Faculty of Dentistry UiTM (1 August 2010 – 30 July 2013)

Administrative Responsibilities

- Director of Institute of Pathology, Laboratory and Forensic Medicine (I-PPerForM), UiTM (1 September 2023 – 28 February 2025)
- Deputy Director (Health & Wellness) for Research Nexus UiTM (ReNeU), Office of Deputy Vice Chancellor (Research and Innovation), UiTM Shah Alam (July 2022 – August 2023)
- Head of Center for Oral and Maxillofacial Diagnostics and Medicine Studies, Faculty of Dentistry UiTM (September 2017 – September 2019)
- University Main Committee Member (JKIPU) from 1 October 2023 to 30 September 2025.
- Principal Research Fellow at Institute of Pathology, Laboratory, and Forensic Medicine (I-PPerForM) from January 2017 to February 2022
- University Research Main Committee Member (JKIPU) from 1 October 2023 to 30 September 2023.
- UiTM Selangor State Executive Committee Member (JKEN) from 1 September 2023 to 31 August 2025.
- University's Center of Excellence Postgraduate Academics Committee Member (JAPPKU) from 1 September 2023 to 31 August 2025.
- Institutional Biosafety Committee Member (IBC) UiTM from 1 March 2023 to 28 February 2025.
- Research Ethics Committee Member (REC) UiTM from January 2017 to December 2020
- Procurement Committee Member, Sungai Buloh Campus UiTM
- Faculty's Ranking Champion, Faculty of Dentistry UiTM
- Faculty Research Committee Member

- Module Coordinator (Forensic Odontology and Diagnostic Imaging) from May 2016 to May 2021.

Community Leaderships

- Mentor for SMJK Perempuan Cina Pulau Pinang for National Science Challenge Semi Final Level 2022 organized by Academy of Sciences Malaysia (ASM). 3-27 August 2022.
- Volunteer and Head of Diagnostics Cluster for Dental Health Program at Indigenous Village Kuala Woh, Perak. 29 February 2020.
- Volunteer and Head of Diagnostics Cluster for Dental Health Program at Indigenous Village Air Karah, Lenggong, Perak. 6-7 July 2019.
- Head of Dental Section for National Council of Professors (MPN)'s National Health Screening Program in Semporna, Sabah. 26-29 March 2017.

Invited Expert

International Engagements

- **Visiting Professor** at the Institute of Legal Medicine and Faculty of Dentistry, University of Turin, Italy. 6 – 28 May 2023.
- **Person in-charge** for the initiation and development of Memorandum of Agreement (MoA) between University of Turin, Italy (Human Identification and Forensic Odontology Laboratory) and Universiti Teknologi MARA (Institute of Pathology, Laboratory and Forensic Medicine, I-PPerForM). 27 May 2022.
- **Research Fellow** at Faculty of Dental Medicine, Universitas Airlangga, Indonesia. 1 May – 31 December 2022.
- **Visiting Professor** at the Faculty of Dentistry, University of Puthisastra, Cambodia. 22 November 2021 (3 years).
- **Invited expert** for international exhumation and identification of New Zealand soldiers and families died during the World War II at Commonwealth War Grave in Terendak Military Camp, Malacca (*Ops Te Auraki with National Institute of Forensic Medicine, Ministry of Health, the Royal Armed Forces and New Zealand Government*). 7 July-12 July 2018.
- **Head** of Scientific Committee for International Congress on Forensic Medicine and Sciences (ICFMS) 2017 at National Library, Kuala Lumpur. 24 – 25 October 2017.
- **Chairman** of Pre-congress Workshop on Forensic Odontology in conjunction with International Congress on Forensic Medicine and Sciences (ICFMS) 2017 at Faculty of Dentistry, Universiti Teknologi MARA. 23 October 2017.
- **Invited expert** for International Disaster Victim Identification Operation (*Identification of Drowned Victims from a Capsized Boat; A co-operation between Governments of Malaysian and Indonesian*) at Kota Tinggi, Johor, Malaysia. 25-30 July 2016.
- **Invited expert** for international exhumation and identification of Australian soldiers and families died during the World War II at Commonwealth War Grave in Terendak Military Camp, Malacca (*Ops Reunites with National Institute of Forensic Medicine, Ministry of Health, the Royal Armed Forces and Australian Government*). 30 April-2 June 2016.

National Engagements

- **Elected Council Member** of the Malaysian Dental Council (MDC). 1 July 2025 (3-year term).
- **Head of Strategic Action** for Non-Communicable Diseases (NCD) for Medical and Health Cluster Akademi Profesor Malaysia (APM). Session 2023/2025. 13 March 2023-14 March 2025.
- **Judge for Oral presentation** at *16th Postgraduate Conference Faculty of Dentistry University of Malaya*, Balai Ungku Aziz, University of Malaya, Kuala Lumpur. 19 September 2023.
- **Elected Chairman of Patient Complaint Bureau** for *Malaysian Dental Association (MDA)*. 3 July 2023 – 31 July 2025.
- **Head Judge for the Scientific Research Competition** at the *21st Annual Scientific Meeting of International Association for Dental Research (IADR) Malaysian Section*, Acappella Suite Hotel, Shah Alam, Selangor. 24 September 2022.
- **Editorial Board Member** for the Malaysian Dental Journal (MDJ) – MyCite-indexed.
- **Judge for Oral Presentations** at the *International Islamic University Malaysia (IIUM) 10th Dental Students' Scientific Virtual Symposium*. 27 April 2021.
- **Chairman for Technical Working Group on Forensic Odontology Specialty** for *National Dental Health Research Priority Setting (JTPBKP)* under Oral Health Program, Ministry of Health, Putrajaya. 12 April 2021.
- **Panel of Assessor** for Malaysian Qualifications Agency (MQA) to audit *Level 8 MQF Doctor in Forensic Odontology Program UKM (MQA/PA 14388)*. 3 February 2021.
- **Judge for the Scientific Research Competition** at the *19th Annual Scientific Meeting of International Association for Dental Research (IADR) Malaysian Section*, Acappella Suite Hotel, Shah Alam, Selangor. 10 October 2020.
- **Appointed Field Expert** at *Entruss Ventures Sdn Bhd* for IP, Publications and Commercialization services. 27 July 2020.
- **Board of Study Member** for Postgraduate Program Study 1+3 Years, Faculty of Dentistry UKM for *Doctor in Forensic Odontology Program*. 11 June 2020.
- **Judge for Poster presentation** at *12th Postgraduate Conference Faculty of Dentistry University of Malaya*, Balai Ungku Aziz, University of Malaya, Kuala Lumpur. 18 September 2019.
- **Working Group Member** for *Quality Assurance Program for Dental Radiography Service* under Atomic Energy License Act 304 at Medical Radiation Regulation Unit (BKRP), Ministry of Health, Putrajaya. 20 September 2018.
- **Judge for e-Poster presentation** at *1st National Joint Specialist Conference*, Istana Hotel, Kuala Lumpur. 9-11 March 2018.
- **Invited expert** for National Disaster Victim Identification Operation (*Ops Maahad Tahfiz 2017 to identify 22 charred bodies from fire incident*) at National Institute of Forensic Medicine, Kuala Lumpur Hospital. 14 September 2017.

University Engagements

- **Auditor** for the Malaysia Research Assessment (MyRA) Universiti Teknologi MARA. 6 May 2024.
- **Committee Member** for Technical Evaluation Criteria on Research Officer Scheme Promotion (Scheme Q), Universiti Teknologi MARA. 30 April 2024.

- **Head of Task Force** for FRGS Evaluation under the Clinical and Health Sciences Domain at Research Management Center (RMC) UiTM. 15 February 2023.
- **Board of Study Member** for Postgraduate Program Study 1+3 Years, Faculty of Dentistry UiTM for *Doctor in Oral & Maxillofacial Surgery Program*. 2 November 2020.
- **Panel of Assessor** to Audit Document on Promotion of Tier 4 (Research Entity) to Tier 3 (Center of Excellence) – *Advanced Analytics Engineering Centre (AAEC)* at Faculty of Science Computer and Mathematics, Universiti Teknologi MARA, Shah Alam, Selangor. 14 September 2020.
- **Judge for the Mega Innovation Carnival 2020** at Foundation Center, Universiti Teknologi MARA, Dengkil Campus, Selangor. 6-8 March 2020.
- **Chairman** for 9th Dental Students' Scientific Symposium Faculty of Dentistry Universiti Teknologi MARA. 9-10 April 2019.
- **Judge for 26th Malaysian Dental Association (MDA) Scientific Convention & Trade Exhibition 2019**, Kuala Lumpur Convention Center. 19 January 2019.
- **External assessor** in the *Medical Imaging Research Colloquium* organized by Centre of Medical Imaging Study, Faculty of Health Sciences, Universiti Teknologi MARA, Puncak Alam Campus, Selangor. 9 July 2018.
- **Invited trainer** for *Basic Teaching Course at Medical Education Research and Development Unit (MeRDU)*, Faculty of Medicine, Universiti Teknologi MARA. 21 November 2017.
- **Head** of Scientific Committee for Disability We Care Conference 2017 at Faculty of Dentistry, Universiti Teknologi MARA. 25-26 November 2017.

Invited Speaker

- Invited symposium speaker for the 3rd Kelantan International Health Conference and 12th Kelantan Health Conference at Renai Hotel Kota Bharu, Kelantan. ***Harnessing AI in Dentistry for Global Health: Are We Innovating for the 1% or the 99%?*** 7 October 2025.
- Invited speaker for the 18th Dental Postgraduate Conference at Faculty of Dentistry, Universiti Malaya, Kuala Lumpur. ***Leveraging Artificial Intelligence in Dental Research***. 23 September 2025.
- Plenary speaker for the 11th USIM Dental Students' Colloquium at Faculty of Dentistry, Universiti Sains Islam Malaysia, Pandan Indah, Kuala Lumpur. ***Digital Dentistry Shift (DDS): Waging War on Analogue Film***. 15 April 2025.
- Invited speaker for NUS-UiTM Forensic Global Classroom at Royal Chulan Damansara, Petaling Jaya, Selangor. ***Forensic Odontology***. 24 February 2025.
- Invited speaker for MAHSA International Dental Conference 2025 (MI-Dent) at MAHSA University, Bandar Saujana Putra, Selangor. ***Digital Dentistry Shift (DDS): Automate the Dentate***. 22 February 2025.
- Invited speaker for 16th USM-MDA 2025 at School of Dental Sciences, Universiti Sains Malaysia, Kubang Kerian, Kelantan. ***The Digital Revolution: Waging War on Analogue Film***. 21 February 2025.
- Invited speaker at 14th International Dental Students Symposium (IDSS) Faculty of Dentistry, University Teknologi MARA. ***DNA of UiTM Dental Students: Are You Mutating into Something?*** 23 April 2024.

- Invited speaker for 31st Malaysian Dental Association Scientific and Trade Exhibition (MDA-SCATE) at Kuala Lumpur Convention Center. ***Implementing AI Technologies in Clinical Practice: How Far Can You Go Without Losing Your Job?*** 28 January 2024.
- Invited speaker at Research Workshop: *Penghasilan Data kajian Secara Kreatif* organized by Jabatan Kesihatan Wilayah Persekutuan (Pergigian) at International Youth Center (IYC), Cheras, Kuala Lumpur. ***Introduction to Statistical Analysis using RStudio.*** 21 June 2023.
- Invited speaker at National Oral Health Research Initiative Conference (NOHRI) organized by the Faculty of Dentistry, University of Malaya at Nexus Connexion Conference & Event Center, Bangsar South, Kuala Lumpur. ***Artificial Intelligence in Radiology.*** 16 October 2022.
- Invited speaker at Workshop on Ethics Procedure for Ethics Review Committee (ERC) organized by UiTM Research Ethics Committee (REC) at Hotel UiTM Shah Alam. ***Enhancing Quality of Ethical Review Audit Following SIDCER-FERCAP Standards.*** 26 July 2022.
- Invited speaker at Writing, Publication and Research Workshop organized by Jabatan Kesihatan Wilayah Persekutuan (Pergigian) at International Youth Center (IYC), Cheras, Kuala Lumpur. ***Elements of Manuscript Structure & Tips and Tricks for Easy Publishing.*** 17 May 2022.
- Guest speaker at 4th International Conference of Forensic Odontology & Child Abuse in Association with IAMLE organized by Faculty of Dental Sciences, King George's Medical University, Lucknow, India. ***Orofacial Trauma in Children: The Incriminating Signs of Abuse.*** 31 March 2022.
- Invited speaker at 23rd International Dental Students' Scientific Conference (DSSC) Faculty of Dentistry, University of Malaya. ***Data-driven Dentistry: A New Skillset or a Job Killer?*** 23 March 2022.
- Guest speaker at DENTOCON 2 organized by Jamia Milia Islamia University (JMI) and Innovative Education and Scientific Research Foundation (IESRF), New Delhi, India. ***Artificial Intelligence in Dentistry.*** 23 January 2022.
- Invited speaker as part of the Visiting Professor Program at the Faculty of Dentistry, Universitas Sumatera Utara (USU), Medan, Indonesia. ***Forensic Odontology and Disaster Victim Identification.*** 21 September 2021.
- Speaker at Research Webinar Series #1 organized by Research Office Faculty of Dentistry UiTM. ***How to Publish in Q1/Q2 Journals.*** 9 August 2021.
- Invited speaker and demonstrator for workshop on Age Estimation in Forensic Odontology: A Hands-on Training organized by AIMST University. ***Dental Age Estimation: Key Issues and Ways Forward (Lecture) & Dental Age Estimation in Sub-adults (Hands-on).*** 24 July 2021.
- Invited speaker for The Art to Developing HSR Proposal Course organized by Jabatan Kesihatan Negeri Selangor (Pergigian). ***Literature Review and Methodology*** on 23 March 2021.
- Invited speaker at Malaysian Association of Pediatric Dentistry (MAPD) 2021 Virtual Scientific Conference & Annual General Meeting - Imaging in Paediatric Dentistry - More than Meets the Eye. ***CBCT - What, When Why and How?*** 13 March 2021.
- Invited speaker at International College of Dentists (ICD) Section XV Webinar. ***Managements of Bite Mark Injuries for GPs and First Liners.*** 24 February 2021.

- Invited speaker at Pediatric Dentistry – Charting the Future 2020 (in conjunction with Malaysian Association of Pediatric Dentistry Annual General Meeting). **Imaging of Temporomandibular Joint**. 21 November 2020.
- Invited speaker for Malaysian Association of Pediatric Dentistry (MAPD) Webinar Series 2020. **Incriminating Dental Trauma in Children – Signs and Symptoms of Abuse**. 26 August 2020.
- Invited speaker for Deputy Vice Chancellor Research and Innovation (TNCPI) Office Webinar Series 2020. **Automated Dental Dating for Age Estimation in Forensic Human Identification: Rise of the Machine... Learning**. 21 August 2020.
- Invited speaker for CPD Talk at Faculty of Dentistry, Universiti Sains Islam Malaysia (USIM), Pandan Indah Campus, Kuala Lumpur. **Writing Proposal Grant for Young Researchers: Tips & Tricks for Success**. 21 February 2020.
- Invited speaker for Symposium on Additive Manufacturing at Amirkabir University of Technology, Tehran, Iran. **Accuracy of 3D Printed Bite Mark Models Reconstructed from Commercially Available 3D Handheld Scanner**. 22 January 2020.
- Invited keynote speaker for 6th Indo Pacific Academy of Forensic Odontology World Conference (INPAFO) at Chandigarh, India. **Is Conventional Radiographic Age Assessment Really a Non-Invasive Method?** 16 February 2019.
- Invited plenary speaker for 26th Malaysian Dental Association Scientific Convention & Trade Exhibition (MDA-SCATE) at Kuala Lumpur Convention Center (KLCC), Kuala Lumpur. **Influence of Cone Beam CT in Clinical Decision Making: To Scan or Not To Scan?** 18 January 2019.
- Invited speaker for 11th Postgraduate Conference 2018 at Faculty of Dentistry, University of Malaya. **Data Visualization in Dentistry**. 25 July 2018.
- Invited speaker for Paediatric Age Assessment Workshop at Sungai Buloh Hospital entitled **Dental Age Assessment Methodologies**. 4th May 2017.
- Invited speaker for Dental CPD at Tawau Hospital entitled **Dental Age Estimation and Reporting: How to Deal with It?** 28 March 2017.

Academic/Industrial Attachment

- Short-term training for In Vitro Experimental Training Program on Coronary Artery Disease (CAD) at Department of Molecular and Life Science, College of Advanced Technology and Convergence, Hanyang University-ERICA, Ansan, South Korea. 1 – 14 June 2025.
- Staff Exchange Program at Department of Oral & Maxillofacial Radiology, Faculty of Dentistry, Mahidol University, Bangkok, Thailand under International Dental Collaboration of Mekong River (IDCMR) scholarship. 14 August – 14 September 2018.
- Staff Exchange Program at Amirkabir University and Shahid Beheshti University of Medical Sciences, Tehran, Iran. 15 – 30 January 2020.

Thesis Examiner/Viva Chairman/Panel

ROLE	CANDIDATE NAME	DATE
External Thesis Examiner	PhD, School of Dentistry, USM, Kubang Kerian Samiya Riaz - Occlusal characteristics and sex prediction potential of permanent maxillary posterior teeth in the Malay population	2 Oct 2023
	PhD, School of Dentistry, USM, Kubang Kerian Siti Sarah Ayub - Effectiveness of education and activity-based interventions to improve oral health in children at different age groups. A	8 Aug 2022

	systematic review and meta-analysis	
	Master of Dental Science, School of Dentistry, USM, Kubang Kerian Abdullah Abdulkhaleq Mohammed Al-Selwi - 3D Morphometric Evaluation of Palatal Rugae among Malaysian Malay Population	7 Feb 2022
Internal Thesis Examiner	PhD DS950, Faculty of Dentistry, UiTM 1. Nagham Mohammed Abdullah Al-Jaf, 2011897606 – Cortical Bone Thickness in Different Sagittal Skeletal Relationship: Assessment and Predictive Modelling Using Artificial Neural Network 2. Mohamed Samih Alsrouji, 2014866558 - The Effect of an Implant-retained Overdenture on Residual Ridge Resorption of the Premaxilla	17 Jun 2019 3 Mei 2018
	PhD MD990, Faculty of Medicine 1. Nur Damia Iwani binti Zulkiflee, 2021694134 - Morphological Analysis Of Frontal Sinus For Human Identification Amongst Malaysian: A Skull Radiograph And Computed Tomography Study	13 January 2025
	PhD Candidate (DS950) Faculty of Dentistry, UiTM 1. Siti Mariam Ab Ghani, 2017836982 2. Nurul Huda Hasan, 2017406444 3. Jasmina Qamaruz Zaman, 2014440728 4. Fathia Atis Eshtewi Almrkz, 2019642982	9 April 2018 23 Oct 2020
Viva Chair (Defense of Research Proposal)	MDS/MScD Candidate (DS750) Faculty of Dentistry, UiTM 1. Izzati Mohd Shahrudin, 2020355103 2. Nurul Latifah Zainal Abidin, 2020274128	14 Aug 2020 19 April 2021
	PhD DS990, Faculty of Dentistry, UiTM 1. Luay Thanoon Younis, 2010342363	5 April 2018
Viva Chair (PhD and Clinical Doctorate Viva)	DClinDent Prosthodontics, Faculty of Dentistry, UiTM 1. Rostam Iffendi Idris, 2016229792	5 May 2020
	DClinDent Orthodontics, Faculty of Dentistry, UiTM 1. Azaitun Akma Shahrin, 201665374	6 May 2020
Panel (Defense of Research Proposal)	DClinDent Prosthodontics, Faculty of Dentistry, UiTM 1. Nurul Hanim Othman, 2018693768	26 Feb 2021
	DClinDent Periodontology, Faculty of Dentistry, UiTM 1. Nik Fatin Sarah Nik Mhd Abdul Nasser, 2018208626	28 Sep 2020
	MScDPH, Faculty of Dentistry, UiTM 1. Badrul Munir Mohd Arif, 2020652696	30 Dec 2020

Journal Reviewer

JOURNAL	ARTICLE TITLE	PERIOD
Frontiers Public Health (<i>WoS-indexed</i>)	Hybrid HCNN-KNN Transfer Learning Model Enhances Age Estimation Accuracy in Orthopantomography	27 Feb – 10 March 2022
Forensic Imaging (<i>Scopus-indexed</i>)	Age estimation and legal majority through the Olze method in a Brazilian population	10 July – 23 July 2021
Imaging Science in Dentistry (<i>Scopus-indexed</i>)	Prevalence of soft tissue calcifications: a retrospective study on digital panoramic radiographs	17 April – 6 June 2021
Imaging Science in Dentistry (<i>Scopus-indexed</i>)	Anatomical Evaluation of Mandibular Premolars in Saudi Population: An In-Vivo Cone Beam Computed Tomography Study	9 December – 26 December 2020

Archives of Orofacial Sciences (<i>Scopus-indexed</i>)	Tooth Morphometry and Pattern of Palatal Rugae Among Monozygotic (MZ) Twins in Malaysia	19 November – 19 December 2020
Archives of Oral Biology (<i>WoS-indexed</i>)	Developmental Stages of Third Molars as Radiographic Parameters for Age Estimation of Russian Adolescents	14 October – 4 November 2020
Imaging Science in Dentistry (<i>Scopus-indexed</i>)	Radiographic and Micro-Tomographic Evaluation of Mediate and Immediate Endodontic Treatment Protocols of Rat Molars with Induced Periapical Lesion	10 June - 22 June 2020
Archives of Orofacial Sciences (<i>Scopus-indexed</i>)	A CBCT Study on The Morphometry of The Mandibular Molars and Their Relative Root Lengths to The Mandibular Height	17 June - 8 July 2020
Journal of International Medical Research (<i>Scopus-indexed</i>)	Studying of Selective Common Factors Affecting Radiographic Quality and Related Exposure Doses	24 April – 7 May 2020
Archives of Oral Biology (<i>WoS-indexed</i>)	Oral Health of Overweight and Obese Children and Adolescents: A Comparative Study with a Multivariate Analysis of Risk Indicators	2 – 16 March 2019
Archives of Oral Biology (<i>WoS-indexed</i>)	Reliability of Palatal Rugoscopy for Sexual Dimorphism in Forensic Dentistry: A Systematic Literature Review and Meta-Analysis	10 August 2018 – 7 October 2018
International Journal of Engineering & Technology (<i>Scopus-indexed</i>)	Design and Development Approach of Smart Glove for Post Stroke Rehabilitation	8 – 28 August 2018
International Journal of Engineering & Technology (<i>Scopus-indexed</i>)	Development and Evaluation of a Spot Sensor Glove for The Tactile Prosthetic Hand	8 – 28 August 2018
Journal of International Medical Research (<i>Scopus-indexed</i>)	Dental Age Assessment on Panoramic Radiographs: Comparison between Two Generations of Young Finnish Subjects	22 June – 6 July 2018
Imaging Science in Dentistry (<i>Scopus-indexed</i>)	Evaluation of The Precision of Different Radiological Approaches while Planning to Secure Anatomical Structures in Implant Surgery	30 July 2018 – 17 – August 2018
Annals of Dentistry (<i>MyCite-indexed</i>)	Anthropometric Measurements of The Mandible Using Cone-Beam Computed Tomography Dataset	12 – 18 April 2018
Archives of Oral Biology (<i>WoS-indexed</i>)	Effectiveness of Three Age Estimation Methods Based on Dental and Skeletal Development in a Sample of Young Brazillians	10-28 August 2017
Imaging Science in Dentistry (<i>Scopus-indexed</i>)	Precision of Aiming with a Portable X-ray Device (Nomad Pro 2) Compared to a Wall-mounted Device in Intra-oral Radiography.	1-12 April 2018
European Journal of Forensic Science (<i>Scopus-indexed</i>)	Study of Palatal Rugae Pattern for Establishing Individuality	8-20 February 2016

Professional Affiliations & Memberships

- i. Regular Member of Dental Anthropology Association (DAA)
- ii. Member of Young Scientists Network-Academy of Sciences Malaysia (YSN-ASM) from 30 September 2021 until 31 December 2024.
- iii. Associate Member of *Majlis Profesor Negara (MPN)* Malaysia (MPN12576)
- iv. Associate Member of *Akademi Profesor Malaysia (APM)* under the Ministry of Higher Education Malaysia (AMAPM023)
- v. Member of the INTERPOL Disaster Victim Identification (DVI) Forensic Odontology Sub-Group
- vi. Fellow of International College of Dentists (FICD)
- vii. Fellow of Pierre Fauchard Academy (FPFA)
- viii. Professional Member of The Forensic Science Society UK (MFSSoc)
- ix. Member of International Association of Dental Research (IADR)
- x. Ordinary Member of Malaysian Dental Association (MDA)
- xi. Good Clinical Practice (GCP) certified on 18 March 2021

Research Interests & Competencies

- i. Dental and Skeletal Age Estimation - Forensic Human Identification via Teeth
- ii. 3D Photogrammetry with 3dMDface digital photogrammetry
- iii. Data Visualizations with RStudio and Python
- iv. Responsible Conduct in Research and Ethics [passed Malaysian Code of Responsible Conduct in Research (MCRCR) competency exam]

Technical skills

RStudio, MeVisLab, WinID3, Office Applications, Systematic Review and Meta-analysis

Training

- **Summer Bootcamp: Real-Life Implementation Science.** Faculty of Medicine, University of Malaya, Kuala Lumpur, Malaysia. *3-5 August 2021.*
- **Research Ethics Webinar: Researching Ethically and Responsibly with Marginalized Communities (Refugees & Migrants).** Research Integrity & Ethics Unit, Faculty of Medicine, University of Malaya, Kuala Lumpur, Malaysia. *13 July 2021.*
- **Conflict Management & Managing High Performance Team.** Universiti Teknologi MARA. *29-30 October 2018.*
- **Systematic Review and Meta-Analysis in Dentistry.** International Medical University, Kuala Lumpur, Malaysia. *1 June 2018.*
- **Graphics in R (18 hours).** Hasselt University, Diepenbeek, Belgium. *27-29 May 2015.*
- **Big Data (7 hours).** Flanders Training Network for Methodology and Statistics (FLAMES), Ghent, Belgium. *13 May 2015.*
- **Applications of 2D and 3D Geometric Morphometrics in Forensic Comparisons.** Washington State Convention Center, Seattle, USA. *1 August 2014.*
- **Meta Analysis.** Leuven, Belgium. *14 February – 21 March 2014.*
- **Oral Pathology in Children.** Holiday Inn Hotel Diegem, Brussels, Belgium. *27 April 2013.*

- **Forensic Human Identification (DipFHID) Course 2013**, Charterhouse Square, Academy of Forensic Medical Sciences. London, UK. *18–22 March 2013.*
- **Course in Forensic Anthropology**. Leuven, Belgium. *25 April 2012.*
- **Seminar on Use of Cone Beam CT for Dentomaxillofacial Diagnostics**. Leuven Centre for Irish Studies (LCIS), Leuven, Belgium. *31 May – 1 June 2012.*

Acquired Research Grants (Cumulative: RM2,050,900)

As Principal Investigator (PI)

- Biosensor for Interleukin-18 Detection in Predicting the Hidden Coronary Artery Disease within Periodontal Patients** - KPJU Research Grant Scheme (RM99,350) – 1 October 2025 – 30 September 2027 – Industrial Research Grant (On-going)
- Cardio-Periodontal Manifestation** - MOHE HiCoE CARE-I from Ministry of Higher Education, Malaysia (RM774,100) – 1 January 2025- 31 December 2027 – National Research Grant (On-going)
- Bio-ID-Pro** – Vice Chancellor Special Project (VCSP) Grant from Universiti Teknologi MARA, Malaysia (RM15,000) – 1 January 2024 – 31 December 2024 – University Research Grant (On-going)
- Classification of Proximal Dental Caries and Cervical Burnout in Digital Bitewings using Deep Convolutional Neural Network** – DUCS-F Research Grant from Universiti Teknologi MARA, Malaysia (RM40,000) – 1 October 2022 – 31 September 2024 – University Research Grant (On-going)
- Validation of Novel Deep Convolutional Neural Network for Multiple Commingled Bite Marks Segmentation and Classification** – MyRA Road to HiCOE Grant from Universiti Teknologi MARA, Malaysia (RM60,000) – 30 June 2022 – 29 June 2024 – University Research Grant (On-going)
- Modelling the Novel Automated Dental Dating for Age Assessment in Undocumented Refugees** – DUCS-CoE Research Grant from Universiti Teknologi MARA, Malaysia (RM50,000) – 1 April 2022 – 31 March 2024 – University Research Grant (On-going)
- Characterizing the Agglomerated Cementum Incremental Lines in Charred Teeth of Different Extreme Heat Exposures** – Fundamental Research Grant Scheme (FRGS) from Ministry of Higher Education, Malaysia (RM99,500) – 1 October 2021- 30 September 2024 – National Research Grant (On-going)
- Cementochronological Characteristics of Agglomerated Incremental Lines in Charred Teeth for Disaster Victim Identification** – Special Research Grant (GPK 2020) from Universiti Teknologi MARA, Malaysia (RM20,000) – 21 December 2020– 30 December 2022 – University Research Grant (On-going)
- Micro-Computed Tomographic Characterization of Translucent Dentinal Root in Different Age Scales of Aging Individuals** – LESTARI Grant from Universiti Teknologi MARA, Malaysia (RM30,000) – 1 August 2019– 30 July 2022 – University Research Grant (On-going)
- Intraoral Digital Sensor Holder for Bisecting Angle Technique** – Prototype Research Grant Scheme (PRGS) from Ministry of Higher Education, Malaysia (RM96,000) – 15 August 2017- 14 August 2019 – National Research Grant (Completed)

As Co-Investigator

- Exploring the Readiness and Acceptance of Augmented Reality In Dental Prostheses Care Education For Patients And The Impact On Oral Hygiene** -

- Fundamental Research Grant Scheme (FRGS) from Ministry of Higher Education, Malaysia (RM94,400) – 1 October 2023 - 30 September 2025 – National Research Grant (On-going)
- ii. ***Development of a Fully Automated Classification System of Cervical Vertebral Maturation Staging Using Deep Convolutional Neural Network*** - Prototype Research Grant Scheme (PRGS) from Ministry of Higher Education, Malaysia (RM210,100) – 15 September 2023 - 15 September 2025 – National Research Grant (On-going)
 - iii. ***Deciphering the Topographic Characteristics of Root Dentinal Translucency (RDT) to Reverse Oral Frailty amongst Malaysian Aging Population*** - UCS Grant (DUCS 4.0) from Universiti Teknologi MARA, Malaysia (RM49,500) – 1 February 2022– 30 February 2024 – University Research Grant (On-going)
 - iv. ***In Silico Analysis of Mandibular Fracture Treated with Different Miniplates: A CBCT Study*** - SIRIM Berhad (RM5,400) – 22 October 2021 – 14 October 2022 – Industrial Funding (On-going)
 - v. ***Drone-Assisted Victim Localization and Identification in Mass-Disaster Management from a Forensic Perspective*** – Transdisciplinary Research Grant Scheme (TRGS) from Ministry of Higher Education, Malaysia (RM257,850) – 1 January 2019- 30 January 2022 – National Research Grant (On-going)
 - vi. ***Identifying New Hyperelastic Constitutive Model via Integration of Multiple Models in Medical Hybrid Biomaterials*** - Fundamental Research Grant Scheme (FRGS) from Ministry of Higher Education, Malaysia (RM109,700) – 1 August 2019- 30 July 2021 – National Research Grant (On-going)
 - vii. ***In-Depth Dento-Socio-Anthropology for Orang Asal Communities of Pahang & Perak Rainforest*** - Special Research Grant (GPK 2020) from Universiti Teknologi MARA, Malaysia (RM20,000) – 21 December 2020– 30 December 2022 – University Research Grant (On-going)
 - viii. ***Development of a Novel Dual Angle Dental X Ray Holder: A Prototype*** - LESTARI Grant from Universiti Teknologi MARA, Malaysia (RM20,000) – 21 December 2020 – 20 December 2022 – University Research Grant (On-going)

Teaching

Postgraduate Teaching

YEAR/SEMESTER	NAME & COURSE CODE	LECTURE HOURS	STUDIO/LAB/OTHER HOURS	STUDENTS
2019-2023/1	Research Design and Biostatistics (DRD701) <ul style="list-style-type: none"> <i>Regulations, Procedures and Ethics in Research</i> <i>Finding the Literature – Systematic Literature Review</i> <i>Fundamental vs. Clinical Research</i> <i>Evidence-based Medicine</i> 	8		22
2019-2023/4	Multidisciplinary Health Sciences (DMH701) <ul style="list-style-type: none"> <i>Cone-beam Computed Tomography</i> <i>Advanced Medical Imaging</i> 	3	3	22

2019-2023/2	Dental Public Health (DCH901)	15	12	7
	- <i>Advanced Systematic Review</i>			
	- <i>Meta-Analysis</i>			
	- <i>Managing Disasters and Complex Humanitarian Emergencies</i>			

Undergraduate Teaching

YEAR/SEMESTER	NAME & COURSE CODE	LECTURE HOURS	STUDIO/LAB/OTHER HOURS	STUDENTS
2016-2023/3/4/5	Oral and Maxillofacial Diagnostic Imaging (DOM 503)	35		240
2016-2023/7	Community Oral Health (DCH 503)	2		72
2016-2023/8	Forensic Odontology (DOM 503)	6		72
2016-2017-2018-2019-2020-2021-2022-2023/3&4	Oral and Maxillofacial Diagnostic Imaging (DOM 503) – Practical Sessions		51	80
2016-2017-2018-2019/5,6,7&8	Comprehensive Care (DCC607) – Clinical Supervision		75	142

Research Supervisions

Postgraduate Supervision

YEAR/ SEMESTER	DEGREE	CANDIDATE NAME	THESIS TITLE	STATUS
As Main Supervisor				
2025-2026/1	PhD	Nusaibah Sallehuddin	Identification of Crosstalk Genes in Cardio-Periodontal Diseases and Development of DNA-Based Biosensors for Early Detection	On-going
2023-2024/1	Dr SCD	Dr Mohd Isyrafuddin Ismail	Classification of Proximal Dental Caries And Cervical Burnout in Digital Bitewings Among Medically Compromised Populations Using Deep Convolutional Neural Network	On-going
2023-2024/1	Dr SCD	Dr Syafiqah Aina Binti Shuhardi	Radiological Evaluation Intraosseous Architectures in Medication Related Osteonecrosis of The Jaw (MRONJ)	On-going
2023-2024/1	PhD	Dr Noraina Hafizan Norman	Fully Automated Neural Network for Classification of Cervical Vertebral Maturation As a Biologic Indicator of Skeletal Maturity	On-going
2022-2024/1	PhD	Muhammad Zaid Zainuddin	Micro-computed Tomographic Characterization of Translucent Dentinal Root in Different Age Scales of Aging Individuals	On-going
2020-2024/1	PhD	Dr Fairozekhan Arishiya Thapasum	Bone Age Estimation based on Trabecular Bone Microstructure Parameters Correlation and Quantification in Cone Beam CT	Successfully Completed
2019-2024/1	PhD	Dr Faraz Mohammed	Cementochronological Characteristics of Agglomerated Incremental Lines in Charred Teeth for Disaster Victim Identification	On-going
2022-2023/1	MScD	Dr Mohd Isyrafuddin Ismail	Classification of Proximal Dental Caries and Cervical Burnout in Digital Bitewings Among Medically Compromised Populations Using Deep Convolutional Neural Network	Successfully Completed

2017-2019/1	PhD	Norhasmira Mohammad	Automated Segmentation of Dental Development using Advance Computer Vision Algorithms and Models for Age Assessment	Successfully Completed
2017-2019/3	DClinDent Periodontology	Dr Nurul Ain Mohamed Yusof	Diagnostic Accuracy of Clinical, Periapical Radiograph and CBCT Measurement Techniques for Assessing Furcation Defects Prior to Periodontal Surgery	Successfully Completed
As Co-supervisor				
2023-2024/1	Dr ForenOdont	Dr Nur Nabilah Zulkifly UKM	Analysis of the Maxillary Sinus using Radiographic Images: Its Role in Forensic Identification in the Adult Populations of Malaysia & Indonesia	On-going
2023-2024/1	Dr ForenOdont	Dr Mohama Asyraf Iskak UKM	Comparison of Radiological-Based Age Estimation with Laboratory-Based Age Estimation	On-going
2021-2022/1	Dr SCD	Dr Tun Yasmin Iffah Mohd Suria Affandi	Analysis of Patient's Health Profiles, Treatment Needs, Service Quality And Physical Accessibility Within Special Care Dentistry Services Of Teaching Hospitals In Malaysia - A Multicentre Study	Successfully Completed
2021-2023/1	MClinDent OMFS	Dr Wong Ling Vuan UM	Interpositional Biomaterial Athroplasty: A Systematic Review	Successfully Completed
2020-2021/1	PhD	Sharifah Mastura Syed Mohd Daud	Efficiency of Drone-Assisted Procedures in Difficult-To-Access Sites and Dangerous Conditions in DVI Compared to Conventional Procedures	Successfully Completed
2018-2019/1	DClinDent Periodontology	Dr Fara Azwin Adam UKM	Salvadora persica L. And Its applications in Dental Plaque Control and Overall Periodontal Health- A systematic review and Meta-analysis	Successfully Completed
2018-2019/1	DClinDent Prosthodontic	Dr Jumanah Magzoub Ali Babiker	Correlation and Predictive Modeling of Gingival Phenotype with Crown Forms and Its Underlying Alveolar Thickness	Successfully Completed
2017-2019/3	DClinDent Orthodontic	Dr Liyana Ghazali	Effects of Reducing Orthodontic Scanning Parameters on Image Quality and Nucleus Changes	Successfully Completed
2016/5	MSc	Norfariha Che Mohamed UKM	Equivalent Dose Measurement on Skin, Eyes and Thyroid Organs Using Phantom in Intraoral and Extraoral Radiographic Examination	Successfully Completed

Undergraduate Supervision

YEAR/SEMESTER	CANDIDATE NAME	PROJECT TITLE	STATUS
2016-2017/8	Nur Liyana Abdul Rahman & Amiza Aqiela Ahmad Asri	Repeat analysis of intraoral digital imaging using complementary metal oxide semiconductor sensor - Published	Successfully Completed
2016-2017/6	Afaf Syahira Ahmad Satmi & Nurkamilya Halimah Fadhilah	Effectiveness and comfort assessment of the novel intraoral digital radiographic receptor devices - Published	Successfully Completed
2015-2016	Mohammad Zeyad Nabulsi & Afizuddin Othman (Bachelor of Dental Surgery, IIUM)	Accuracy of dental age assessment to determine chronological age - Published	Successfully Completed
2016-2017/6	Nurfarrakhana Mohd Sapawi & Aziatul Akmal Rohazak	Vitamin D and dental caries: systematic review and meta-analysis	Successfully Completed
2016-2017/6	Mohammad Syafeq Ahmad & Nina Marianna Hazni	Architecture and amount of alveolar bone loss in patients with chronic periodontitis modified by diabetes mellitus	Successfully Completed
2017-2018/6	Siti Suhailah Sulaiman (Program Sarjana Muda Pengimejan Perubatan HS242, UiTM)	Evaluation of adaptive thresholding algorithm on vertical root fracture of CBCT images	Successfully Completed
2017-2018/5	Thanaletchumi A/P Manimala & Aznurul Athirah bt Zulkifli (Bachelor of Forensic Science (Hons), MSU)	Reliability of third molar development in forensic age estimation using Demirjian and Nolla's technique in a Malaysian Malay population - Published	Successfully Completed
2017-2018/6	Intan Syakirah Ramli & Ummi Solehah Muhd	Measuring grey value threshold of dentinal root translucency in Micro-CT for dental age estimation - Published	Successfully Completed

1 September 2018 – 1 March 2019	Kuck Peng Sim (Bachelor of Forensic Science (Hons), MSU)	Adaptation of Demirjian's Method for Age Estimation via Third Molar Development among Adolescents and Young Adults of Malay Ethnicity - Published	Successfully Completed
2018-2019/6	Ain Ashraf Rizwal & Nursyereen Azahar	Accuracy of Superimposed Polygonal Approximation Analysis on 2D Photographs and 3D Scanned Images in Experimental Bite Marks - Published	Successfully Completed
2018-2019/6	Sharifah Sakinah Syed Zain & Syasya Qistina Redzuan	Growth outcome prediction and it's correlated dental age among Cleft Lip and Palate children in Klang Valley	Successfully Completed
2018-2019/6	Nur Anis Abdul Razak & Nur Dalila Mohd Ramzi	Microtensile Bond Strength of Total-Etch and Self-Etch Universal Adhesives with 10-MDP: A Systematic Review	Successfully Completed
2018-2019/6	Nur Alyani Md Pizar & Nur Adlin Che Mohd Zain	Efficacy of Contrast Medium-Assisted Imaging in Diagnosing Cracked Tooth: A Preliminary Study - Published	Successfully Completed
2021-2022/6	Imran Hadi Mohamad Nidzam & Carmelia Richard Manih	Accuracy of Contemporary Dental Age Estimation Methods in Malay Children	Successfully Completed
2022-2023/6	Hasya Syahirah Hilmy & Syifa Syazwina Samsuni	Use of Multimedia Informed Consent in Improving Comprehension, Recall and Anxiety of Participants for Cone-beam CT Examination	Successfully Completed
2023-2024/6	Muhammad Imran Shauqi Zaini & Nurain Watiqah Ahmad Kamal	Facial Soft Tissue Thickness For Forensic Craniofacial Reconstruction In Malay Population Using Cone-Beam CT	Successfully Completed
2025-2026/6	Nahwan Nadirah Norazianto & Norhanani Fariha Norani	Exploring Dental Professionals' Knowledge, Attitude, and Perception Toward Artificial Intelligence in Clinical Practice	On-going

Publications

Articles in Academic Journals and Academic Books

2025

1. M.Z. Zainuddin, N.S. Mohamad, S.K. Tan, N.A. Ramlan, **M.Y.P.M. Yusof**. *Visualizing Physiological Sclerotic Dentin via Micro-Computed Tomography: A Pilot Study*. **Imaging Science in Dentistry**. 2025, Sep;55:e34. <https://doi.org/10.5624/isd.20250123>. (**WoS/SCOPUS-indexed**).
2. F. Mohammed, R.A.A. Rahmat, W.N.W.A Kamil, B.D.C. Subrahmanya, S.A. Venugopalan, **M.Y.P.M. Yusof**. *Characterization of Agglomerated Incremental Lines of Tooth Cementum Subjected to Various Temperatures*. **Egyptian Journal of Forensic Sciences**. 2025, 15, 51. <https://doi.org/10.1186/s41935-025-00463-z>. (**WoS/SCOPUS-indexed**).
3. M.I.B. Ismail, A.J. Khan, N. Omar, M.S. Ahmad, N.M. Tahir, **M.Y.P.M. Yusof**. *Diagnostic Applications of Artificial Intelligence in Dental Care for Medically Compromised Patients: A Scoping Review*. **Digital Dentistry Journal**. 2025, 2(2):100036. doi: <https://doi.org/10.1016/j.ddj.2025.100036>. (**SCOPUS-indexed**).
4. N. Mohd Sabri, M. Chainchel Singh, L.S. Khoo, M.S. Mahmood, **M.Y.P.M. Yusof**, C.C. Heo, & H. Nawawi. *Drone-assisted disaster victim identification: analysis of different drone heights and camera specifications for capturing images of secondary identifiers*. **Remote Sensing Letters**. 2025, 16(10), 1066–1076. <https://doi.org/10.1080/2150704X.2025.2533532>. (**WoS/SCOPUS-indexed**).

5. N.H. Norman, M.M. Rosli, N.M. Al-Jaf, N. Mohammad, A. Azizan, **M.Y.P.M. Yusof**. *Integration of Artificial Intelligence in Orthodontic Imaging: A Bibliometric Analysis of Research Trends and Applications*. **Imaging Science in Dentistry**. 2025, Apr;55:e12. <https://doi.org/10.5624/isd.20240237>. (**WoS/SCOPUS-indexed**).
6. M.Z. Zainuddin, A. Azizan, **M.Y.P.M. Yusof**. *Artificial Intelligence (AI) in Dental Age Estimation Studies: A Scientometric Analysis*. **Inteligencia Artificial**. 2025, 28(75), 101–113. <https://doi.org/10.4114/intartif.vol28iss75pp101-113>. (**SCOPUS-indexed**).
7. Mohd Sabri, N., Sheikh Abdul Kadir, S., Chainchel Singh, M., **M.Y.P.M. Yusof** et al. *Disaster victim identification: the co-utilisation of applied biosystems RapidHIT ID system and DJI Matrice 300 drone for onsite DNA analysis*. **Sci Rep** 15, 4872 (2025). <https://doi.org/10.1038/s41598-025-88750-6>. (**Q1 WoS/SCOPUS-indexed**).
8. R. Zulkapli,, S.A. Muid, S.M. Wang, **M.Y.P.M. Yusof**, H. Nawawi. *Modulation of Atherogenesis Biomarkers by PCSK9 Inhibitors in Lp(a)-stimulated Human Coronary Artery Endothelial Cells*. **BMC Cardiovascular Disorders**. 2025, 25, 537. <https://doi.org/10.1186/s12872-025-04892-5>. (**Q2 WoS/SCOPUS-indexed**).
9. S.H. Ibrahim, F.N. Mohd, **M.Y.P.M. Yusof**, L.A. Chandra, A. Ahmi, M.S. Ahmad. *Nonpharmacological Management of Dental Anxiety in the General Population and Individuals with Learning Disabilities: A Bibliometric Analysis*. **Special Care in Dentistry**. 2025, 45(1), pp. 1–13Z.M. DOI.org/10.1111/scd.13102. (**WoS/SCOPUS-indexed**).
10. Hanafiah, A.R. Hafsari, M. Elango, Z. Ilham, F. Doni, W.H.M.W. Mohtar, Y. Gafforov, Y.J. Wong, K.N.A. Maulud, N.H. Ismail, **M.Y.P.M. Yusof**, W.A.A.Q.I. Mohtar. *Removal of Cyanobacterial Harmful Algal Blooms (HABs) from Contaminated Local Park Lake using Ganoderma lucidum Mycelial Pellets*. **Heliyon**, 2025. 11(1). DOI.org/10.1016/j.heliyon.2024.e41205. (**Q1 WoS/SCOPUS-indexed**).

2024

1. N. Mohammad, R. Ahmad, M.H.A. Gaus, A. Kurniawan, **M.Y.P.M. Yusof**. *Accuracy of Automated Forensic Dental Age Estimation Lab (F-DentEst Lab) on Large Malaysian Dataset*. **Forensic Science International**. 2024, 361:112150. DOI.org/10.1016/j.forsciint.2024.112150. (**Q1 WoS/SCOPUS-indexed**).
2. **M.Y.P. M. Yusof**, N.H. Reduwan, I.W. Mokhtar, A. Venkiteswaran, M.S. Ahmad, I.H. Ismail, N.M.M.N.M. Rosdy, N.W. Azmi. *Manual of Plain Digital Oral and Maxillofacial Imaging*, UiTM Publisher, Universiti Teknologi MARA, 2024. ISBN 978-629-496-055-8 (**Academic Book**).
3. **M.Y.P.M. Yusof**, N. Mohammad, R. Ahmad, A.M. Muad. *Development and Validation of Automated Forensic Dental Age Estimation Lab (F-DentEst Lab)*. **Australian Journal of Forensic Sciences**. 2024, 56(sup1), 75–77. DOI.org/10.1080/00450618.2024.2324739. (**Q2 WoS/SCOPUS-indexed**).
4. A.F. Ismail, N.H. Adnan, N.N.S. Suhaidi, I.W.M. Mokhtar, **M.Y.P.M. Yusof**, M.S. Kumar. *Accuracy of Different Dental Age Assessment Methods to Determine Chronological Age among Children with Special Needs*. **Journal of Indian Society of Pedodontics and**

Preventive Dentistry. 2024, 42(1), pp. 64-70. DOI.10.4103/jisppd.jisppd_47_24. **(SCOPUS-indexed).**

5. A. Kurniawan, A. Alias, **M.Y.P.M. Yusof**, A. Marya. *Optimization of forensic identification through 3-dimensional imaging analysis of labial tooth surface using open-source software.* **Imaging Science in Dentistry.** 2024, 54(1), pp. 63-369. DOI.10.5624/isd.20230218. **(WoS/SCOPUS-indexed).**
6. S.M.S.M. Daud, C.C. Heo, **M.Y.P.M. Yusof**, L.S. Khoo, M.K.C. Singh, M.S. Mahmood, M.D.M. Nasir, H. Nawawi. *Use of Thermal Drone in Detection and Assessment of Larval Mass Temperature in Decomposed Rabbit Carcasses.* **Journal of Forensic Sciences.** 2024, 69 (2), pp. 542 - 553. DOI: 10.1111/1556-4029.15466. **(Q2 WoS/SCOPUS-indexed).**
7. A. Azizan, A. Azmi, **M.Y.P.M. Yusof.** *Bibliometric Analysis on Geriatric Rehabilitation in Scopus Database (1948-2022).* **Topics in Geriatric Rehabilitation.** 2024, 40(1), pp. 60–68. DOI.10.1097/TGR.0000000000000423. **(WoS/SCOPUS-indexed).**
8. A. Kurniawan, J. Hamdani, A. Chusida, H. Utomo, B.N. Rizky, B.F.W.R. Prakoeswa, A.R. Yuniar, R. Salazar-Gamarra, A. Alias, **M.Y.P.M. Yusof**, A. Marya. *Exploring the Feasibility of Smartphone Cameras for 3D Modelling of Bite Patterns in Forensic Dental Identification.* **Legal Medicine.** 2024, 67, 102399. DOI.org/10.1016/j.legalmed.2024.102399. **(Q2 WoS/SCOPUS-indexed).**
9. S.H. Azhar-Hilmy, N. Nordin, **M.Y.P.M. Yusof**, T.Y.T. Soh, N. Yusof. *Components in Downstream Health Promotions to Reduce Sugar Intake Among Adults: A Systematic Review.* **Nutrition Journal.** 2024, 23(1), 11. DOI.10.1186/s12937-023-00884-3. **(Q2 WoS/SCOPUS-indexed).**
10. N. Ismail, **M.Y.P.M. Yusof**, I.W Mokhtar. *Factors Influencing Parental Acceptance Toward the Use of Passive Immobilisation as Behaviour Guidance in Children During Dental Treatment: A Scoping Review.* **Journal of Clinical Pediatric Dentistry.** 2024, 48(3);6-14. DOI.10.22514/jocpd.2024.053 **(SCOPUS-indexed).**

2023

1. N.A.M. Pisar, N.A.C.M. Zain, N.M. Zohdi, **M.Y.P.M. Yusof**, H. Ishak. *Efficacy of Contrast Medium-assisted Imaging in Diagnosing Cracked Tooth.* **Malaysian Journal of Medicine and Health Sciences.** 2023, 19, pp. 46–51. DOI.10.47836/mjmhs.19.s18.7. **(SCOPUS-indexed).**
2. M.F.M. Hanim, N. Shariff, I.E. Mohammed, **M.Y.P.M. Yusof**, B.A.M. Sabri, N. Yusof. *Factors Affecting the Psychological Health of Dental Care Professionals During Pandemic: A Systematic Review.* **Malaysian Journal of Medicine and Health Sciences.** 2023, 19, pp. 83–98. DOI.10.47836/mjmhs.19.s18.12. **(SCOPUS-indexed).**
3. N.E. Mohd Sabri, M.K. Chainchel Singh, M.S. Mahmood, L.S. Khoo, **M.Y.P.M. Yusof**, C.C. Heo, M.D.M. Nasir, H. Nawawi. *A Scoping Review on Drone Technology Applications in Forensic Science.* **SN Applied Sciences.** 2023, 5(9):233. DOI.org/10.1007/s42452-023-05450-4. **(Q2 WoS/SCOPUS-indexed).**

4. M.Z. Zainuddin, N.S. Mohamad, S.K. Tan, **M.Y.P.M. Yusof**. *The Applications of X-Ray Micro-Computed Tomography (μ CT) in Studying Age Related Tooth Morphological Changes: A Scoping Review*. **Journal of Forensic Sciences**. 2023, 68(6), pp. 2048–2056. DOI.org/10.1111/1556-4029.15352. **(Q2 WoS/SCOPUS-indexed)**.
5. F.A. Adam, N. Mohd, H. Rani, **M.Y.P.M. Yusof**, B. Baharin. *Salvadora persica L.: An effective anti-plaque and anti-gingivitis toothpaste: A systematic review & meta-analysis of randomized control clinical trials*. **Journal of Herbal Medicine**. 2023, 40(100677). DOI.org/ 10.1016/j.hermed.2023.100677. **(Q1 WoS/SCOPUS-indexed)**.
6. N.H.K Affendi, J. Babiker, **M.Y.P.M. Yusof**. *CBCT Assessment of Alveolar Bone Wall Morphology And Its Correlation with Tooth Angulation in The Anterior Mandible: A New Classification for Immediate Implant Placement*. **Journal of Periodontal & Implant Science**. 2023, 53(2):e9, pp. 1-14. DOI.org/10.5051/jpis.2105000250. **(Q2 WoS/SCOPUS-indexed)**.
7. Kurniawan, A., Chusida, A., Utomo, H., Marini, M. I., Rizky, B. N., Prakoeswa, B. F. W., Hamdani, J., Salazar-Gamarra, R., Dib, L.L., Alias, A., **M.Y.P.M. Yusof**, Marya, A. *3D Bitemark Analysis in Forensic Odontology Utilizing A Smartphone Camera And Open-Source Monoscopic Photogrammetry Surface Scanning*. **Pesquisa Brasileira Em Odontopediatria e Clinica Integrada**. 2023, 23(e220087). DOI.org/10.1590/pboci.2023.001. **(SCOPUS-indexed)**.
8. N. Angelakopoulos, S. De Luca, I. Oliveira-Santos, I.L.A Ribeiro, I. Bianchi, S. Balla, H.C. Kis, L.G. Jiménez, G. Zolotenkova, **M.Y.P.M. Yusof**, A. Selmanagić, H. Pandey, C.P. Pereira, J.B.M. da Nóbrega, H. Kalani, S.M. Mieke, A. Kumagai, A. Gulsahi, K. Zelić, N. Marinković, J. Kelmendi, I. Galić, I.S. Vázquez, E. Spinas, V. Montes, Y. Wendy, M. Moukarzel, J.P. Toledo, A.A. El-Bakary, R. Cameriere. *Third Molar Maturity Index (I_{3M}) Assessment According to Different Geographical Zones: A Large Multi-Ethnic Study Sample*. **International Journal of Legal Medicine**. 2023, 137(2), pp. 403–425. DOI.org/10.1007/s00414-022-02930-x. **(Q1 WoS/ SCOPUS-indexed)**.
9. X. Tan, R.F. Obaid, G.F. Smaisim, M.H.M. Esfahani, F. Alsaikhan, S. Baghaei, S.K. Hadrawi, **M.Y.P.M. Yusof**, A. Yadav. *Investigation of addition of calcium phosphate ceramic to multilayer scaffold for bone applications with improved mechanical properties: Fuzzy logic analysis*. **Ceramics International**. 2023, 49(5), pp. 8339–8349. DOI.org/10.1016/j.ceramint.2022.10.366. **(Q1 WoS/SCOPUS-indexed)**.
10. F.A. Adam, N. Mohd, H. Rani, **M.Y.P.M. Yusof**, B. Baharin. *A systematic review and meta-analysis on the comparative effectiveness of Salvadora persica - extract mouthwash with chlorhexidine gluconate in periodontal health*. **Journal of Ethnopharmacology**. 2023, 302(115863). DOI.org/10.1016/j.jep.2022.115863. **(Q1 WoS/SCOPUS-indexed)**.
11. Y. Gao, A.J. Moshayedi, E. Sanatizadeh, P. Behfarnia, M. Karimzadeh Kolamroudi, D.T. Semirumi, **M.Y.P.M. Yusof**. *Analysis of amorphous structure with polycaprolactone-hydroxyapatite nanoparticles fabricated by 3D bioprinter technique for bone tissue engineering*. **Ceramics International**. 2023, 49(10), pp. 16053–16060. DOI.org/10.1016/j.ceramint.2023.01.203. **(Q1 WoS/SCOPUS-indexed)**.

1. N. Mohammad, R. Ahmad, A. Kurniawan, **M.Y.P.M. Yusof**. *Applications of Contemporary Artificial Intelligence Technology in Forensic Odontology as Primary Forensic Identifier: A Scoping Review*. **Frontiers in Artificial Intelligence**. 2022 December. 5 DOI:10.3389/frai.2022.1049584. **(SCOPUS-indexed)**.
2. N.H.K Affendi, J. Babiker, **M.Y.P.M. Yusof**. *A Narrative Review of Alveolar Bone Analysis and CBCT Classification related to Immediate Implant Placement in The Anterior Maxilla*. **Malaysian Journal of Medicine and Health Sciences**. 18(6): 311-323. DOI.org/10.47836/mjmhs18.6.40. **(SCOPUS-indexed)**.
3. D.S. Anwar, B.A.M. Sabri, **M.Y.P.M. Yusof**, M.S. Ahmad. *Family Influences in the Dental Caries Status of Children with Special Needs: A Systematic Review*. **Children**. 2022, 9(12), 1855. DOI.org/10.3390/children9121855. **(Q2 WoS/SCOPUS-indexed)**.
4. A. Chowdhry, P. Kapoor, G.M. Fonseca, **M.Y.P.M. Yusof**, I. Bedek, H.T. Baig, C. Capitaneanu, E. Nuzzolese. *Under the Lens: A Report on Global Dental Morphology Modules*. **International Journal of Morphology**. 40(6):1497-1503, 2022. DOI.org/10.4067/S0717-95022022000601497. **(SCOPUS-indexed)**.
5. **M.Y.P.M. Yusof**, C.H. Teo, C.J. Ng. *Electronic informed consent criteria for research ethics review: a scoping review*. **BMC Medical Ethics**. 23,117 (2022). DOI.org/10.1186/s12910-022-00849-x. **(Q1 WoS/SCOPUS-indexed)**.
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7. A. Tabassum, M.K Chainchel Singh, N. Ibrahim, S. Ramanarayanan, **M.Y.P.M. Yusof**. *Quantifications of Mandibular Trabecular Bone Microstructure Using Cone Beam Computed Tomography for Age Estimation: A Preliminary Study*. **Biology**. 2022; 11(10):1521. DOI.org/10.3390/biology11101521. **(Q1 WoS/SCOPUS-indexed)**.
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Proceedings & Presentations

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2. **M.Y.P. M. Yusof.** *Development and Validation of Automated Forensic Dental Age Estimation Lab (F-DentEst Lab).* 23rd Triennial Meeting of the International Association of Forensic Sciences. International Convention Centre Sydney, Australia. 20-24 November 2023. Proceeding No. 35. Oral Presentation.
3. M.Z. Zainuddin, S.K. Tan, N.S. Mohamad, **M.Y.P. M. Yusof.** *The Applications of X-Ray Microtomography (Micro-CT) in Studying Age-Related Tooth Morphological Changes: A Scoping Review.* 75th Annual Scientific Meeting of the American Academy of Forensic Sciences (AAFS). Orlando, Florida, United States of America. 13-18 February 2023. Proceeding No. H14. Oral Presentation (Extended Abstract).

2022

1. **M.Y.P.M. Yusof, A.T. Fairizekhan, N. Ibrahim, M.S.K.C. Singh.** *Quantification of Mandibular Trabecular Bone Microstructure using Cone Beam Computed Tomography for Age Estimation in Disaster Victim Identification.* 31st INTERPOL Disaster Victim Identification Conference. 21-23 June 2022. Oral Presentation.

2021

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2020

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2019

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2018

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2016

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2. **M.Y.P.M. Yusof**. ***A New Prediction Formula to Estimate Dental Age in Sub-adults***. 2016 International Dental Collaboration of Mekong River (IDCMR) Congress. Faculty of Dentistry Universiti Teknologi MARA, Sungai Buloh Campus, Selangor. 17-19 November 2016. Proceeding No. O-24 Oral presentation.
3. I. Wan Mokhtar, **M.Y.P.M Yusof**. ***Repeat Analysis of Digital Intra-oral Radiographs among Final Year Dental Undergraduate Students***. 11th Asian Congress of Oral and Maxillofacial Radiology. Chiang Mai, Thailand. 10-12 November 2016. Proceeding No. O12 Oral presentation.
4. **M.Y.P.M. Yusof**. ***Performance of Willems Method in Estimating Dental Age in Children: A Systematic Review and Meta-analysis***. 2016 International Association of Legal Medicine (IALM) Intersocietal Symposium. Venice, Italy. 21-24 June 2016. Proceeding No. OP 16 Oral presentation.
5. **M.Y.P.M. Yusof**. ***Accuracy Analyses of Different Dental Age Estimation Models in Children and Sub-adults***. 2016 National Convention on Forensic Medicine. Faculty of Medicine Universiti Teknologi MARA, Sungai Buloh Campus, Selangor. 31 May-2 June 2016. Proceeding No. 009 Oral presentation.

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2. **M.Y.P.M. Yusof**, R. Cauwels, E. Deschepper, L. Martens. ***How to Utilize the Most Information in Panoramic Radiographs to Estimate Dental Age?*** 23rd Congress of the International Academy of Legal Medicine (IALM). Dubai, United Arab Emirates. 19-21 January 2015. Proceeding No. OP 1.4 Oral presentation.

2014

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2013

1. **M.Y.P.M. Yusof**, P.W. Thevissen, S. Fieuws, G. Willems. ***Dental Age Estimation Method for Malay Children Based on All Permanent Teeth Types***. International Organization for Forensic Odonto-Stomatology (IOFOS) Conference. Firenze, Italy. 29–31 August 2013. Abstract No. 233 Oral presentation.
2. P.W. Thevissen, S. Altalie, H. Brki, I. Galic, S. Fieuws, A. Franco, **M.Y.P.M. Yusof**, S.S. Lee, V. Pinchi, G. Willems. ***Comparing 14 Country-Specific Populations on Third Molars Development: Consequences for Age Predictions of Individuals with Different Geographic and Biological Origin***. International Organization for Forensic Odonto-Stomatology (IOFOS) Conference. Firenze, Italy. 29–31 August 2013. Abstract No. 298 Oral presentation.
3. **M.Y.P.M. Yusof**, R. Jacobs. ***Assessment of Neurovascular Canals in the Lateral Maxillary Sinus Wall***. 2nd Meeting of International Association for Dental Research Asia Pacific Region (IADR-APR). Bangkok, Thailand. 21-23 August 2013. Abstract No. 378, pg. 98 Oral presentation.

2008

1. **M.Y.P.M. Yusof**, M. Paiizi, A.A. Aziz, , N.H. Abu Kasim. ***Cutting Efficiency of Dental Burs***. 7th Scientific Meeting of IADR Malaysian Section & 9th Annual General Meeting. Shah Alam, Malaysia. 23 February 2008. Abstract No. J18, pg. 19 Oral presentation.

Recognitions & Awards

2025

1. ***Gold Award with Congratulations of the Jury*** for invention '**CVMaXX**' from the Geneva Invention Exhibition 2025. 9 - 13 April 2025. Palexpo Geneva, Switzerland.

2022

2. ***Excellent Award*** based on 2021 performance by the Office of Deputy Vice Chancellor for Research and Innovation Universiti Teknologi MARA. Seroja Hall, Universiti Teknologi MARA, Shah Alam. 23 December 2022.
3. ***Gold Award*** for invention '**Forensic Dental Estimation Lab V.3.0 (F-DentEst Lab V.3.0)**'. Invention, Innovation & Design Exposition (IIDEX 2022). 21 - 25 November 2022. Universiti Teknologi MARA, Shah Alam, Malaysia. Principal Inventor.
4. **2022 SAGE Scientific Prize Award-Journal of Orthodontics Scientific Paper of the Year** by the British Orthodontic Society and SAGE publishing (Paper titled ***Effects of scanning parameters reduction in dental radiographs on image quality and diagnostic performance: A randomised controlled trial***). British Orthodontic Conference, Birmingham, England. 17 September 2022.

2021

1. **Gold and Diamond Special Award** for invention '**Forensic Dental Age Estimation Lab (F-DentEst Lab)**'. International Digital Innovation in Wellness Exhibition 2021 (DIInoWEX 2021) under the Professional Innovator category. 8-9 December 2021. University of Malaya, Kuala Lumpur, Malaysia. Principal Inventor.
2. Faculty's Academic Award during Majlis Anugerah Kecemerlangan Akademik (MAKA) 2020/21, Faculty of Dentistry, UiTM. 21 August 2021.
 - a. **Best Researcher Award**
 - b. **Journal Article Publication Award**
 - c. **Most Prolific Writer Award**
3. **Kreso Glavac Award to the Most Outstanding Innovation (Special Award)** for invention '**Forensic Dental Age Estimation Lab (F-DentEst Lab)**'. Malaysia Technology Expo (MTE) 2021 International Innovation Awards. 22-26 March 2021. Principal Inventor.

2020

1. Recipient of the **National Institute of Health Fogarty International Center of the United States and the Faculty of Medicine, University of Malaya Scholarship Award** for training in Health Research Ethics (MOHRE) at University of Malaya for 12 months.
2. **Gold and Diamond Special Award** for invention '**Forensic Dental Age Estimation Lab (F-DentEst Lab)**'. Invention, Innovation & Design Exposition (IIDEX 2020). 19 October - 6 November 2020. Universiti Teknologi MARA, Shah Alam, Malaysia. Principal Inventor.
3. **Silver Award** for invention '**Dual-angle Intra-oral X-ray Holder 2.0**'. Invention, Innovation & Design Exposition (IIDEX 2020). 19 October - 6 November 2020. Universiti Teknologi MARA, Shah Alam, Malaysia. Co-Inventor.
4. **Silver Award** for invention '**AI-Powered Semi-automated Dental Age Estimation**'. International Invention & Innovation in Dentistry Exhibition (IIDentEx 2020). 12-20 October 2020. Universiti Teknologi MARA, Sungai Buloh Campus, Malaysia. Co-Inventor.

2019

1. **2018 Excellent Service Award** Recipient. 14 June 2019. Universiti Teknologi MARA, Selangor, Malaysia.
2. **Inducted Fellow of International College of Dentists (ICD)** for vast contributions in dentistry and Forensic Odontology. Postnominal FICD. 1 July 2019. Chulalongkorn University, Bangkok, Thailand.

2018

1. **Gold Award and Diamond Special Award (Design)** for invention '**Multiple Angle of Bisector Rinn Holder Design**'. Invention, Innovation & Design Exposition (IIDEX 2018). 24-28 September 2018. Universiti Teknologi MARA, Shah Alam, Malaysia. Co-Inventor.
2. **Faculty's Best Research Author Award** of 2017 during Dental Academic Awards, Faculty of Dentistry, Universiti Teknologi MARA. 2 March 2018. PAUM Club House, Kuala Lumpur, Malaysia.
3. **Inducted Fellow of Pierre Fauchard Academy** (International Honorary Dental Organization) for vast contributions in dentistry and Forensic Odontology. Postnominal FPFPA. 25 January 2018. Grand Hyatt Hotel, Kuala Lumpur, Malaysia.

2017

1. **Gold Award** for invention '**My Dental Age**'. Invention, Innovation & Design Exposition (IIDEX 2017). 25-29 September 2017. Universiti Teknologi MARA, Shah Alam, Malaysia. Principal Inventor.
2. **Silver Award** for invention '**The Bisector®: An Innovative Technology in Dental Radiography**'. 28th International Invention, Innovation & Technology Exhibition (ITEX 2017). 11-13 May 2017. Kuala Lumpur Convention Centre, Malaysia. Principal Inventor.

2016

1. **Best Oral Presentations (Second Place)** at the 2016 International Dental Collaboration of the Mekong River Region (IDCMR). 17-19 November 2016. Faculty of Dentistry, Universiti Teknologi MARA, Sungai Buloh, Malaysia.
2. **Best Oral Presentations (Second Place)** at the 2016 National Convention on Forensic Medicine. 31 May – 2 June 2016. Faculty of Medicine, Universiti Teknologi MARA, Sungai Buloh, Malaysia.
3. **Bronze Award** for invention '**The Bisector®: A New Technology in Dental Radiography**'. Invention, Innovation & Design Exposition (IIDEX 2016). 20-23 September 2016. Universiti Teknologi MARA, Shah Alam, Malaysia. Principal Inventor.
4. **First runner-up** for Men's Double Table Tennis UiTM Closed Championship. 5 November 2016. Selayang Campus Universiti Teknologi MARA, Malaysia.

Intellectual Properties

Copyrights

1. Forensic Dental Estimation Lab (F-DentEst Lab) (CRLY00024427) on 4 August 2020 – **Main Inventor**

2. Video For Innovation Competition: Forensic Dental Estimation Lab (F-DentEst Lab) (CRFM00001313) on 8 January 2021 – **Main Inventor**
3. The Bisector: An Innovative Technology in Dental Radiography (LY2016002149) (CRLY00004860) – **Main Inventor**
4. My Dental Age (AR2017003326) – **Main Inventor**
5. Image Filtering and Feature Selection Technique to Enhance Cone Beam CT Trabecular Bone Microstructure Quantification (LY2018006668) – **Co-Inventor**
6. Comparison of Bimaxillary Protrusion Occlusion Morphology: A Geometric Morphometric Analysis (CRLY00020527) on 14 November 2019 – **Co-Inventor**
7. Dual-angle Intra-oral X-ray Holder (CRLY00025225) on 23 September 2020 – **Co-Inventor**
8. Dual-angle Intra-oral X-ray Holder 2.0 (CRFM00001305) on 8 January 2021 – **Co-Inventor**
9. Optimization of Scanning Parameters in Dental Panoramic Tomograph and Lateral Cephalograph Acquisition for Adult Orthodontic Patients (CRLY00020543) on 14 November 2019 – **Co-Inventor**
10. Efficiency of Drone-assisted Procedures in Difficult-to-Access Sites and Dangerous Chemical, Biological, Radiological, Nuclear, and Explosive (CBRNE) Environments for Disaster Victim Identification (DVI) in Comparison with Conventional Manual Procedures (CRFM00001300) on 17 November 2020 – **Co-Inventor**
11. Retrieval of Identifiers in Disaster Victim Identification (DVI): Comparison Between Drone-assisted and Conventional Procedures (CRLY00027207) on 17 November 2020 – **Co-Inventor**

Patent

1. A Dental Inspection Apparatus (MY-208361-A). **Patent Granted** on 6 May 2025 – **Principal Investigator**.