

# ..... Curriculum vitae

**MOHD YUSMIAIDIL PUTERA MOHD YUSOF  
(DR.)**

**Associate Professor**  
BDS MSc PhD FPFA FICD

**Address:** Faculty of Dentistry  
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## Education

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

Dissertation: Contemporary Dental Age Estimation Models in Children and Sub-adults (completed within 3 years)

**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

### **Ministry of Health, Malaysia (2008 – 2010)**

- Senior Dental Officer (DU44) at Duchess of Kent Hospital and Sandakan Dental Clinic, Sandakan, Sabah (1 August 2009 – 31 July 2010)
- First Year Dental Officer (DU41) at Queen Elizabeth Hospital and Luyang Dental Clinic, Kota Kinabalu, Sabah (15 July 2008 – 31 July 2009)

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

- Associate Professor (DUG56) in Forensic Odontology, Center for Oral and Maxillofacial Diagnostics and Medicine Studies, Faculty of Dentistry UiTM (1 January 2019 – present)
- 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)

### ***Assume Responsibilities***

- Head of Center for Oral and Maxillofacial Diagnostics and Medicine Studies, Faculty of Dentistry UiTM (September 2017 – September 2019)
- Principal Research Fellow at Institute of Pathology, Laboratory, and Forensic Medicine (I-PPerForM)
- Research Ethics Committee Member (REC) UiTM
- Procurement Committee Member for Sungai Buloh Campus UiTM
- Faculty's Ranking Champion, Faculty of Dentistry UiTM
- Research Coordinator, Faculty of Dentistry UiTM
- Faculty Research Committee Member
- Module Coordinator (Forensic Odontology)

### ***Community Leaderships***

- 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.
- Chairman for 9<sup>th</sup> Dental Students' Scientific Symposium Faculty of Dentistry Universiti Teknologi MARA. 9-10 April 2019.
- Head of Scientific Committee for International Congress on Forensic Medicine and Sciences (ICFMS) 2017 at National Library, Kuala Lumpur. 24 – 25 October 2017.
- Head 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.
- Head of Scientific Committee for Disability We Care Conference 2017 at Faculty of Dentistry, Universiti Teknologi MARA. 25-26 November 2017.
- Head of Dental Section for National Council of Professors (MPN)'s National Health Screening Program in Semporna, Sabah. 26-29 March 2017.

### ***Invited Expert***

- Judge for the Mega Innovation Carnival 2020 at Foundation Center, Universiti Teknologi MARA, Dengkil Campus, Selangor. 6-8 March 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.
- Judge for 26<sup>th</sup> Malaysian Dental Association (MDA) Scientific Convention & Trade Exhibition 2019, Kuala Lumpur Convention Center. 19 January 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.
- 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.
- 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.
- Judge for e-Poster presentation at 1st National Joint Specialist Conference, Istana Hotel, Kuala Lumpur. 9-11 March 2018.
- Invited trainer for Basic Teaching Course at Medical Education Research and Development Unit (MeRDU), Faculty of Medicine, Universiti Teknologi MARA. 21 November 2017.
- 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.
- 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.

#### **Invited Speaker**

- 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**. 4<sup>th</sup> 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***

- Staff Exchange Program at Department of Oral & Maxillofacial Radiology, Faculty of Dentistry, Mahidol University, Bangkok, Thailand under International Dental Collaboration of the 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***

ROLE	CANDIDATE NAME	DATE
Thesis Examiner	PhD DS950, Faculty of Dentistry, UiTM 1. Nagham Mohammed Abdullah Al-Jaf, 2011897606 – <b>Cortical Bone Thickness in Different Sagittal Skeletal Relationship: Assessment and Predictive Modelling Using Artificial Neural Network</b>	17 Jun 2019
	2. Mohamed Samih Alsrouji, 2014866558 - <b>The Effect of an Implant-retained Overdenture on Residual Ridge Resorption of the Premaxilla</b>	3 Mei 2018
Viva Chair (Defense of Research Proposal)	PhD Candidate (DS950) Faculty of Dentistry, UiTM 1. Siti Mariam Ab Ghani, 2017836982 2. Nurul Huda Hasan, 2017406444 3. Jasmina Qamaruz Zaman, 2014440728	9 April 2018
Viva Chair (PhD Viva)	PhD DS990, Faculty of Dentistry, UiTM 1. Luay Thanoon Younis, 2010342363	5 April 2018

### ***Journal Reviewer***

JOURNAL	ARTICLE TITLE	PERIOD
Journal of International Medical Research	Studying of Selective Common Factors Affecting Radiographic Quality and Related Exposure Doses	24 April – 7 May 2020
Archives of Oral Biology	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	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	Design and development approach of smart glove for post stroke rehabilitation	8 – 28 August 2018
International Journal of Engineering & Technology	Development and evaluation of a spot sensor glove for the tactile prosthetic hand	8 – 28 August 2018
Journal of International Medical Research	Dental age assessment on panoramic radiographs: comparison between two generations of young Finnish subjects	22 June – 6 July 2018
Imaging Science in Dentistry	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	Anthropometric Measurements Of The Mandible Using Cone-Beam Computed Tomography Dataset	12 – 18 April 2018

European Journal of Forensic Science	Study of Palatal Rugae Pattern for establishing Individuality	8-20 February 2016
Archives of Oral Biology	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	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

### Professional Affiliations & Memberships

- i. Member of the INTERPOL Disaster Victim Identification (DVI) Forensic Odontology Sub-Group
- ii. Fellow of International College of Dentists (FICD)
- iii. Fellow of Pierre Fauchard Academy (FPFA)
- iv. Associate Member of The American Academy of Forensic Sciences (Odontology Section)
- v. Professional Member of The Forensic Science Society UK (MFSSoc)
- vi. Member of International Association of Dental Research (IADR)
- vii. Ordinary Member of Malaysian Dental Association (MDA)

### 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]

### Acquired research grants (Accumulative: RM488,550)

- i. ***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 (Co-Investigator) – National Research Grant
- ii. ***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 (Co-Investigator) – National Research Grant
- iii. ***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 (Principal Investigator) – University Research Grant
- iv. ***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 (Principal Investigator) – National Research Grant

## Technical skills

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

### Teaching

#### Postgraduate Teaching

YEAR/SEMESTER	NAME & COURSE CODE	LECTURE HOURS	STUDIO/LAB/OTHER HOURS	STUDENTS
2019-2020/1	Research Design and Biostatistics (DRD 901) <ul style="list-style-type: none"> <li>- <i>Regulations, Procedures and Ethics in Research</i></li> <li>- <i>Finding the Literature – Systematic Literature Review</i></li> <li>- <i>Fundamental vs. Clinical Research</i></li> <li>- <i>Evidence-based Medicine</i></li> </ul>	8		22
2019-2020/4	Multidisciplinary Health Sciences (DMH 903) <ul style="list-style-type: none"> <li>- <i>Cone-beam Computed Tomography</i></li> <li>- <i>Advanced Medical Imaging</i></li> </ul>	3	3	22

#### Undergraduate Teaching

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

### Postgraduate Supervision

YEAR/SEMESTER	DEGREE	CANDIDATE NAME	THESIS TITLE	STATUS
2019-2020/1	PhD	Dr Faraz Mohammed (Main Supervisor)	Comparative Study for Estimation of Age Based on Contralateral Tooth Cementum Annulations Using Three Different Microscopic Methods Subjected to Various Degrees of Temperature	On-going
2018-2019/1	DClinDent Periodontology	Dr Fara Azwin Adam – UKM PG (Co-supervisor)	Salvadora persica L. And Its applications in Dental Plaque Control and Overall Periodontal Health- A systematic review and Meta-analysis	On-going
2018-2019/1	DDPH UM	Dr Aira Syazleen Ahmad – UM PG (Co-supervisor)	Reliability of Vyvad Criteria in Assessing Coronal Caries: A Systematic Review	On-going
2018-2019/1	DClinDent Prosthodontic	Dr Jumanah Magzoub Ali Babiker (Co-supervisor)	Correlation and Predictive Modeling of Gingival Phenotype with Crown Forms and Its Underlying Alveolar Thickness	On-going
2017-2019/1	PhD	Norhasmira Mohammad (Main Supervisor)	Automated Segmentation of Dental Development using Advance Computer Vision Algorithms and Models for Age Assessment	On-going
2017-2019/3	DClinDent Periodontology	Dr Nurul Ain Mohamed Yusof (Main Supervisor)	Diagnostic Accuracy of Clinical, Periapical Radiograph and CBCT Measurement Techniques for Assessing Furcation Defects Prior to Periodontal Surgery	On-going
2017-2019/3	DClinDent Orthodontic	Dr Liyana Ghazali (Co-supervisor)	Effects of Reducing Orthodontic Scanning Parameters on Image Quality and Nucleus Changes	On-going
2016/5	MSc	Norfariha Che Mohamed – UKM PG (Co-supervisor)	Equivalent Dose Measurement on Skin, Eyes and Thyroid Organs Using Phantom in Intraoral and Extraoral Radiographic Examination	Graduated

### 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	Graduated
2016-2017/6	Afaf Syahira Ahmad Satmi & Nurkamilya Halimah Fadhilah	Effectiveness and comfort assessment of the novel intraoral digital radiographic receptor devices	Graduated
2015-2016	Mohammad Zeyad Nabulsi & Afizuddin Othman (Bachelor of Dental Surgery, IIUM)	Accuracy of dental age assessment to determine chronological age	Graduated

2016-2017/6	Nurfarralhana Mohd Sapawi & Aziatul Akmal Rohazak	Vitamin D and dental caries: systematic review and meta-analysis	Graduated
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	Graduated
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	Graduated
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	Graduated
2017-2018/6	Intan Syakirah Ramli & Ummy Solehah Muhd	Measuring grey value threshold of dental root translucency in Micro-CT for dental age estimation	Graduated
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	Graduated
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	On-going
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	On-going
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	On-going
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	On-going

## Publications

### Articles in Academic Journals and Academic Books

#### 2020

1. N.A.M Yusof, E. Noor, N.H. Reduwan, **M.Y.P.M. Yusof**. *Diagnostic Accuracy of Periapical Radiograph, Cone Beam Computed Tomography, and Intrasurgical Linear Measurement Techniques for Assessing Furcation Defects: A Longitudinal Randomised Controlled Trial*. 2020. Accepted for publication. **Clinical Oral Investigations (Q1WoS/SCOPUS-indexed)**.
2. A.S.A. Satmi, N.H. Fadilah, **M.Y.P.M. Yusof**, N.F.A. Manan, J. Mahmud, S.A. Abdullah. *Effectiveness and Comfort Assessment of the Novel Intra-oral Bisecting Angle Bisector and Paralleling RINN Digital Imaging Receptor Holders in Low Palatal Height Patients*. **Archives of Orofacial Sciences**. 2020. Accepted for publication (**SCOPUS-indexed**).
3. **M.Y.P.M. Yusof**, M.M. Dasor, F. Ariffin, N.H. Reduwan, W. N. W. A. Kamil, M.C. Mah. *Idiopathic Osteosclerosis Mimicry of a Tooth: Case Report*. **Australian Dental Journal**. 2020. Accepted for publication (**Q2WoS/SCOPUS-indexed**) – in press.
4. **M.Y.P.M. Yusof**, M.C. Mah, N.H. Reduwan, K. Kretapirom, N.H.K. Affendi. *Quantitative and Qualitative Assessments of Intraosseous Neurovascular Canals in Dentate and Posteriorly*



*Edentulous Individuals in Lateral Maxillary Sinus Wall. Saudi Dental Journal. Accepted for publication. DOI: 10.1016/j.sdentj.2019.10.010 (SCOPUS-indexed) – in press*

5. E.T.L. Yin, K.P. Sim, **M.Y.P.M. Yusof**. *Adaptation of Demirjian's Method for Age Estimation via Third Molar Development Among Adolescents and Young Adults of Malay Ethnicity: A Preliminary Assessment. Malaysian Journal of Medicine and Health Sciences. 2020 January: 16(SUPP1): 14-18 (SCOPUS-indexed).*

## 2019

1. N.A.M. Yusof, E. Noor, **M.Y.P.M. Yusof**. *The accuracy of linear measurements in cone beam computed tomography for assessing intrabony and furcation defects: A systematic review and meta-analysis. Journal of Oral Research. 2019 December: 8(6):527-539. DOI:10.17126/joralres.2019.077 (SCOPUS-indexed).*
2. R. Ahmad, N.F. Affandi, N.A.F.M. Ayub, N.A. Mustafa, **M.Y.P.M. Yusof**, T.N.M. Dom. *The Value of Panoramic Radiograph as a Screening Tool Prior to Complete Denture Construction: A Restrospective Study. Journal of Dentistry Indonesia. 2019 August: 26(2):65-69. DOI: 10.14693/jdi.v2621.1284 (SCOPUS-indexed).*
3. A.M. Muad, N.S.M. Bahaman, A. Hussain, **M.Y.P.M. Yusof**. *Tooth segmentation using Dynamic Programming-Gradient Inverse Coefficient of Variation. Bulletin of Electrical Engineering and Informatics. 2019 March: 8(1):253-260. DOI: 10.11591/eei.v8i1.1446 (SCOPUS-indexed).*

## 2018

1. N.A.K. Nik Dziauddin, N.A. Adull Manan, **M.Y.P.M. Yusof**, J. Mahmud, S. A. Abdullah. *Multiple angle of Bisector Rinn Holder for oral X-ray. International Journal of Engineering & Technology. 2018 Nov: 7 (4.26):215-220. DOI: 10.14419/ijet.v7i4.26.22170 (SCOPUS-indexed).*
2. K.L. Chng, **M.Y.P.M. Yusof**, A.H. Hasmi, M.S. Mahmood. *Death of two military pilots in Hawk-108 fighter jet crash. Journal of Forensic Science and Medicine. 2018 Jun;4:101-3. DOI:10.4103/jfsm.jfsm\_91\_17 (SCOPUS-indexed).*
3. A.F. Ismail, A. Othman, N.S. Mustafa, M.A. Kashmoola, B.E. Mustafa, **M.Y.P.M. Yusof**. *Accuracy of different dental age assessment methods to determine chronological age among Malay Children. Journal of Physics: Conference Series. 2018 Jun;1028:1-6. DOI :10.1088/1742-6596/1028/1/012102 (SCOPUS-indexed).*

## 2017

1. N. Che Mohamed, H.Nawawi, **M.Y.P.M. Yusof**, K.S. Khoo. *Equivalent dose measurements from digital intra- and extra-oral imaging examinations. Pertanika Journal of Science and Technology. 2017 Jul;25(S):251-262 (SCOPUS-indexed).*
2. **M.Y.P.M. Yusof**, N.L. Abdul Rahman, A.A. Ahmad Asri, N.I. Othman, I. Wan Mokhtar. *Repeat analysis of intraoral digital imaging performed by undergraduate students using a complementary metal oxide semiconductor sensor: An institutional case study. Imaging Science in Dentistry. 2017 Dec;47(4):233-239. DOI:10.5624/isd.2017.47.4.233 (WoS/SCOPUS-indexed).*

4. **M.Y.P.M. Yusof**, I. Wan Mokhtar, S. Rajasekharan, R. Overholser, L. Martens. *Performance of Willem's dental age estimation method in children: A systematic review and meta-analysis*. **Forensic Science International**. 2017 Nov;280:245.e1-245.e10. DOI:10.1016/j.forsciint.2017.08.032 DOI:10.5624/isd.2017.47.4.233 (**Q2WoS/SCOPUS-indexed**).
5. **M.Y.P.M. Yusof**. *Assessment of different prediction models utilizing two predictors for dental age estimation*. **Forensic Science International**. 2017 Aug;277(S1):76-77. DOI:10.1016/j.forsciint.2017.07.019 DOI:10.5624/isd.2017.47.4.233 (**Q2WoS/SCOPUS-indexed**).
6. L. Martens, S. De Smet, **M.Y.P.M. Yusof**, S. Rajasekharan. *Association between overweight/obesity and periodontal disease in children and adolescents: a systematic review and meta-analysis*. **European Archives of Paediatric Dentistry**. 2017 Apr;18(2):69-82. DOI:10.1007/s40368-017-0272-1 DOI:10.5624/isd.2017.47.4.233 (**WoS/SCOPUS-indexed**).
7. N.S. Syairah, N.M.S. Rawaidah, G.R.A. Froemming, I.M. Amin, **M .Y.P.M. Yusof**, G.H. Khor. *IC50 of Ganoderma Lucidum Extract on Oral Cancer Cells ORL-48T*. **Journal of Fundamental and Applied Sciences**. 2017 Nov;9(6S):237-245. DOI:10.4314/jfas.v9i6s.19 DOI:10.5624/isd.2017.47.4.233 (**SCOPUS-indexed**).
8. G. H. Khor, N. A. Khoruddin, N. R. M. Shobri, , S. N. Suhaimi, T. T. Hock, **M.Y.P.M. Yusof**, *A review of Ribonucleotide Reductase and Cancer Therapies*. **Journal of International Dental and Medical Research**. 2017 Dec;10(3):1032-1037 (**SCOPUS-indexed**).
9. G. H. Khor, N. R. M. Shobri, N. A. Khoruddin, S. N. Suhaimi, **M.Y.P.M. Yusof**, T. T. Hock. *A review on Di Methyl Thiazoldiphenyl-Tetrazoliumbromide (MTT) assay in cell viability*. **Research Journal of Applied Sciences**. 2017 Dec;12(7):372-378 (**SCOPUS-indexed**).

#### 2016

1. **M.Y.P. M. Yusof**. *Analysis of Dental Age Estimation Models: An Ethnic-specific Study*, Lambert Academic Publishing, 2016. ISBN 978-3-659-88978-3 (**Academic Book**).
2. **M.Y.P. M. Yusof**. *Contemporary Dental Age Estimation Models in Children and Sub-adults*, University Press, Ghent University, 2016. ISBN 978-909-0295-81-7 (**Academic Book**).

#### 2015

1. **M.Y.P.M. Yusof**. *Digitalized bite mark analysis for the undergraduate dental students*. **Compendium of Oral Science**. 2015 Dec; 2(1):1-5 (**Non-WoS/SCOPUS-indexed**).
2. **M.Y.P.M. Yusof**, R. Cauwels, L. Martens. *Stages in third molar development and eruption to estimate the 18-year threshold Malay juvenile*. **Archives of Oral Biology**. 2015 Oct;60(10):1571-1576. DOI 10.1016/j.archoralbio.2015.07.017 (**Q2WoS/SCOPUS-indexed**).
3. **M.Y.P.M. Yusof**, R. Cauwels, E. Deschepper, L. Martens. *Application of third molar development and eruption models in estimating dental age in Malay sub-adults*. **Journal of Forensic and Legal Medicine**. 2015 May;32:40-44. DOI 10.1016/j.jflm.2015.05.004 (**WoS/SCOPUS-indexed**).

## 2014

1. **M.Y.P.M. Yusof**, P.W. Thevissen, S. Fieuws, G. Willems. *Dental age estimation in Malay children based on all permanent teeth types*. **International Journal of Legal Medicine**. 2014 Mar;128(2):329-33. DOI 10.1007/s00414-013-0825-8 (**Q1WoS/SCOPUS-indexed**).

## 2011

1. Abdul Aziz, N.H. Abu Kasim, C. Ramasindarum, **M.Y.P. M. Yusof**, M. Paiizi, R. Ahmad. *Wear of rotary instruments: A pilot study*. **Annal of Dentistry University of Malaya** 2011; 18: 1-7 (**Non-WoS/SCOPUS-indexed**).

## **Proceedings & Presentations**

### 2019

1. **M.Y.P.M. Yusof**, A.S. Ahmad Satmi, N.H. Fadilah. ***Assessment of Novel Intraoral Bisecting Angle Digital Imaging Receptor Holders***. 97<sup>th</sup> General Session and Exhibition of the International Association of Dental Research (IADR). Vancouver Convention Center, Vancouver, Canada. 19-22 June 2019. No. 1973 Poster presentation.

### 2018

2. **M.Y.P.M. Yusof**. ***Mapping the graduate research training trends of the forensic odontologist in Malaysia***. 3<sup>rd</sup> Indonesian International Symposium of Forensic Odontology (INASFO). Ciputra Hotel, Jakarta, Indonesia. 24-25 March 2018. Proceeding No. 2415 Poster presentation.

### 2017

1. **M.Y.P.M. Yusof**. ***Accuracy of Willem's dental age estimation in children***. 2017 International Dental Collaboration of Mekong River (IDCMR) Congress. Vu Manh Tuan School of Odonto-Stomatology, Hanoi Medical University. 19-20 October 2017. Proceeding No. 1042 III.1 Oral presentation.
2. **M.Y.P.M. Yusof**, H.M. Nawawi, M.S. Mahmood. ***Assessment of different prediction models utilizing two predictors for dental age estimation***. 21<sup>st</sup> Triennial Meeting of the International Association of Forensic Sciences (IAFS). Toronto, Canada. 21 - 25 August 2017.

### 2016

1. **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. 0-24 Oral presentation.

2. I. Wan Mokhtar, **M.Y.P.M. Yusof**. *Repeat analysis of digital intra-oral radiographs among final year dental undergraduate students*. 11<sup>th</sup> Asian Congress of Oral and Maxillofacial Radiology. Chiang Mai, Thailand. 10-12 November 2016. Proceeding No. 012 Oral presentation.
3. **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.
4. **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.

## 2015

1. **M.Y.P.M. Yusof**, R. Cauwels, L. Martens. *Stages in third molar development and eruption to estimate 18-year threshold*. Int J Paediatr Dent. 2015 Jul;25(S1):46-251. 25<sup>th</sup> Congress of the International Association of Paediatric Dentistry (IAPD). Glasgow, Scotland. 1-4 July 2015. Proceeding No. PR 06.38 Poster presentation.
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?* 23<sup>rd</sup> 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

1. **M.Y.P.M. Yusof**, L. Martens. *Age Estimation Policies and Procedures for Undocumented Minors in Malaysia*. 66<sup>th</sup> Annual Scientific Meeting of the American Academy of Forensic Sciences (AAFS). Seattle, WA, United States of America. 17-22 February 2014. Proceeding No. F28 Oral presentation (Extended Abstract).

## 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**

### 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-Investigator.
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 Investigator.
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 Investigator.

### 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 Investigator.
4. First runner-up for Men's Double Table Tennis UiTM Closed Championship. 5 November 2016. Selayang Campus Universiti Teknologi MARA, Malaysia.

## *Intellectual Properties*

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### **Copyrights**

1. Image Filtering and Feature Selection Technique to Enhance Cone Beam CT Trabecular Bone Microstructure Quantification (LY2018006668) – Co-Inventor
2. The Bisector: An Innovative Technology in Dental Radiography (LY2016002149) (CRLY00004860) – Main Inventor
3. My Dental Age (AR2017003326) –Main Inventor

### **Patent**

1. The Bisector: An Innovative Technology in Dental Radiography. **Patent Filing** on 7 January 2020.