

NORAINI BINTI ABU BAKAR



- KULLIYAH OF DENTISTRY
- IIUM Kuantan Campus
- Email address:
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ACADEMIC QUALIFICATION

- Master of Science in Orthodontics (with Merit)
- Doctor of Dental Surgery (Dean's List)

TEACHING RESPONSIBILITIES

| | |
|---------------------|-----------------------------------------|
| ORTHODONTICS | 2017/2018 |
| ORTHODONTICS YEAR 3 | 2018/2019 2019/2020 2020/2021 |
| ORTHODONTICS YEAR 4 | 2018/2019 2019/2020 2020/2021 |
| ORTHODONTICS YEAR 5 | 2019/2020 2020/2021 |
| Orthodontics | 2013/2014 2015/2016 2018/2019 2019/2020 |
| Research Project | 2018/2019 |

RESEARCH PROJECTS

In Progress

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|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2019 - Present | Specific orthodontic tooth movement (OTM) biomarkers-related gene expression and hormonal changes induced by mechanical transduction on various mechanisms of orthodontic traction |
| 2016 - Present | Analysis Of Dental Malocclusion And Treatment Outcome Observed in IIUM Orthodontic Specialist Clinic |
| 2015 - Present | Detection of Myo1H, Pax9 and Runx2 Single Nucleotide polymorphism and its Association in Different Classes of Dental Malocclusion. |
| Unknown - Present | An integrated acceptance model for the intention to use e-learning system in Malaysian orthodontic postgraduate programs. |

Completed

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| 2016 - 2019 | Analysis Of Dental Malocclusion And Treatment Outcome Observed in IIUM Orthodontic Specialist Clinic |
| 2015 - 2018 | Detection of Myo1H, Pax9 and Runx2 Single Nucleotide polymorphism and its Association in Different Classes of Dental Malocclusion. |

2014 - 2016 Leptin Levels In Gingival Crevicular Fluid (GCF) During Orthodontic Tooth Movement And Gingival Healing

PUBLICATIONS

Article

- 2020** [Genetics of malocclusion: a review.](#) International Journal of Orofacial and Health Sciences , 1 (1) pp.4-10
- 2020** [Application of polymerase chain reaction-restriction fragment length polymorphism \(PCR-RFLP\) technique in the analysis of MYO1H single nucleotide polymorphism in Malay mandibular prognathism patients.](#) Archives of Orofacial Sciences , 15 (2) pp.139-147
- 2020** [Demographics and clinical profile of orofacial cleft in International Islamic University Malaysia from 2009 until 2018.](#) Archives of Orofacial Sciences , 15 (2) pp.97-107
- 2020** [The effectiveness of pure Stichopus horrens extract toothpaste in reducing plaque-induced gingivitis following orthodontic bonding : A triple-blinded randomized controlled trial.](#) Journal of the World Federation of Orthodontists , 9 (1) pp.3-8
- 2019** [Does facial appearance of dentofacial deformity influence the need for orthognathic surgery: The Malaysian perception.](#) Singapore Dental Journal , 39 (1) pp.41-52
- 2019** [Rawatan orthognatik pilihan terbaik.](#) Harian Metro pp.42
- 2018** [An asymmetrical jaw can cause a lot of problems.](#) Star2.com pp.1-5
- 2018** [Preliminary study of PAX9 single nucleotide polymorphism \(rs8004560\) in patients with Class II skeletal base malocclusion contributed by mandibular retrognathism.](#) Archives of Orofacial Sciences , 13 (2) pp.112-118
- 2018** [Assessment of dental development in children with hypodontia and hyperdontia: a case control study.](#) International Medical Journal Malaysia , 17 (Special Issue 2) pp.205-211
- 2018** [A preliminary study on MYO1H single nucleotide polymorphism \(rs10850110\) in mandibular prognathism in Malay population.](#) Journal of International Dental and Medical Research , 11 (2) pp.607-613
- 2017** [Demographic characteristics and analysis of malocclusions of orthodontic patients seen at IIUM Dental Specialist Clinic, Kuantan, Pahang.](#) International Medical Journal Malaysia , 16 (2) pp.107-111
- 2017** [Saliva leptin levels in tooth movement during initial stage of orthodontic alignment: a pilot study.](#) Brazilian Journal of Oral Sciences , 16 pp.1-8
- 2017** [Analysis Of MYO1H single nucleotide polymorphism in class III malocclusion with mandibular prognathism: A preliminary study.](#) The International Medical Journal of Malaysia , 16 (Supplementary Issue No 2) pp.1-1

2016 [Latent class analysis of dental treatment: Observed in IIUM dental specialist clinic, Kuantan, Pahang.](#) International Medical Journal Malaysia , 17 (Special issue: 2) pp.313-318

2016 [Assessment of the efficacy of CBCT referral forms at Faculty of Dentistry, International Islamic University Malaysia.](#) Malaysian Dental Journal , 1 (37) pp.30-38

Conference or Workshop Item

2020 [Functional appliance: an early intervention.](#) In: **Webinar on Functional Appliances**

2019 [Surgical-first approach in skeletal class III malocclusion - a case report.](#) In: **Chang Gung Forum 2019 - The 7th International Workshop on Surgery-First Orthognathic Surgery**

2018 [RUNX2 single nucleotide polymorphism \(rs6930053\) in Class II malocclusions patients: a preliminary study.](#) In: **3rd ASEAN Congress on Medical Biotechnology and Molecular Biosciences**

2018 [The effectiveness of pure stichopus horrens \(Gamat\) extract toothpaste in reducing plaque induced gingivitis post orthodontic bond-up: a triple-blinded randomized controlled trial.](#) In: **24th Malaysian Association of Orthodontists International Scientific Conference & Trade Exhibition (24th MAOISCTE)**

2018 [Elemental and microstructural analysis of fake, real, and standard orthodontic brackets.](#) In: **The 2nd Physics And Technologies In Medicine And Dentistry Symposium (PTMDS) 2018**

2018 [Does facial appearance of dentofacial deformity influence the need for orthognathic surgery: the Malaysian perception.](#) In: **Malaysia-International Dental Exhibition and Conference (MIDEC 2018)**

2017 [Research scope and collaboration opportunities in the world of orthodontics.](#) In: **Fast Talk IIUM- June 2017**

2017 [Identification of PAX9 single nucleotide polymorphism in class III malocclusion patients with mandibular prognathism.](#) In: **1st IIUM International Dental Conference 2017 in Commemoration of the Kulliyah of Dentistry 10th Anniversary (1st IIDC)**

2017 [Analysis Of MYO1H single nucleotide polymorphism in class III malocclusion with mandibular prognathism: A preliminary study.](#) In: **1st IIUM International Dental Conference 2017 in Commemoration of the Kulliyah of Dentistry 10th Anniversary (1st IIDC)**

2017 [Orthodontic management of an erupted mesiodens: a case report.](#) In: **1st IIUM International Dental Conference 2017 in Commemoration of the Kulliyah of Dentistry 10th Anniversary (1st IIDC)**

2017 [Determination of RUNX2 single nucleotide polymorphism rs6930053 in class I, II and III malocclusions.](#) In: **1st IUM International Dental Conference 2017 (IIDC)**

2016 [Assessment of dental development in children with hypodontia and hyperdontia: A case control study.](#) In: **2nd World Congress on Integration and Islamicisation: Focus on Medical and Healthcare Science (2WCII 2016)**

- 2016 [Saliva leptin levels in tooth movement during initial stage of orthodontic alignment : a pilot study.](#) In: **International Orthodontic Conference SLOS 2016**
- 2016 [Awareness on fake braces.](#) In: **Kursus Pembangunan Profesional Berterusan (CPD) Pusat Kesihatan UiTM 2016**
- 2013 [Comparison of mechanical properties between different stainless steel archwires.](#) In: **Abstracts of Lecturers and Scientific Posters**

Book

- 2020 [COVID-19 orthodontic practice management guidelines version 1.0 by Malaysian Association of Orthodontists.](#) Malaysian Association of Orthodontists (MAO)
- 2016 [Orthodontics and you: patient information booklet.](#) IIUM Press . ISBN 978-967-418-376-9
- 2015 [Ortodontik dan anda: buku maklumat pesakit.](#) IIUM Press . ISBN 978-967-418-377-6

Book Section