

## CURRICULUM VITAE



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 Position: Senior Medical Lecturer  
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### Education

1. PhD (Diabetic, Renal, Endocrine & Metabolic Medicine) University of Glasgow 2016
2. MBBS (University of Malaya) 2007

### Areas of Interest

1. Augmented Reality in Medical Teaching (Immersive Learning)
2. Endocrine System & hormones
3. Islamic Medicine
4. Hypertension
5. Metabolic diseases

### Professional Qualification/ Membership/ Affiliation

1. The Physiological Society, UK
2. European Society of Endocrinology
3. British Endocrine Society
4. Malaysian Society of Pharmacology & Physiology (MSPP)

### Appointments (Inside and Outside UPM)

Date	Designation	Remarks
1. 2017- current	Facilitator, Problem Based Learning (PBL) - Doctor of Medicine Program	FMHS, UPM
2. 2018- current	Mentor & Academic Advisor, MD Students	FMHS, UPM
3. 2018- current	Coordinator, Alimentary System (New & Old Curriculum)	FMHS, UPM
4. 2019- current	Permanent MD Vetting Committee MD Year 2	FMHS, UPM
5. 2019- current	Visiting Lecturer	Xiamen University Malaysia
6. 2019- current	Coordinator, Western Medicine Diagnostic	Xiamen University Malaysia
7. 2019	Representative, University of Glasgow for Study UK Malaysia Exhibition	British Council
8. 2019- current	Judge, Creative Design Elements Showcase	FCSIT, UPM
9. 2019	Consultancy Doctor, AMSA-UPM Immunisation Awareness Campaign (AUISC)	UPM

10. 2019- current	Medical Doctor, Family Medicine Clinic	FMC, HPUPM
11. 2019- current	Supervisor, SKM4313 Augmented Reality	FCSIT, UPM
12. 2019- current	Supervisor, SKM4215 Creative Design Elements	FCSIT, UPM
13. 2019	Evaluator, final year project proposal presentation EOH4999A, Department of Environmental and Occupational Health	FMHS, UPM
14. 2020- current	Facilitator, Early Clinical Exposure (ECE)	FMHS, UPM
15. 2021	Research Associate, Clinical Research Unit (CRU), Hospital Pengajar UPM (HPUPM)	HPUPM
16. 2021	Consultancy Doctor, Pusat Pemberian Vaksin (PPV), Hospital Pengajar UPM (HPUPM)	HPUPM

## Publications

### Journals (in 5 years)

1. Yusoff, M. F. M., & **Ab Razak, N. I.** (2020). Medieval Theoretical Principles of Medicine in Ibn Sīnā's al-Qānūn fī al-Ṭibb and al-Dhahabī's al-Ṭibb al-Nabawī. *Afkar-Jurnal Akidah & Pemikiran Islam*, 22(2), 119-154.
2. Azmah Saat, **Nur Izah Ab. Razak**, and Razif Abas, and Rahmita Wirza O.K. Rahmat. Augmented reality in facilitating learning: A review (2021). *Asia-Pacific Journal of Information Technology and Multimedia*, 10 (1). pp. 74-85. ISSN 2289-2192
3. Razif Abas, Rusliza Basir, Suryati Mohd Thani, Safuraa Salihan, Azmah Sa'at, Nurul Hayati Mohamad Zainal, Siti Fadziyah Mohamad Asri, **Nur Izah Ab Razak**, Nurul Huda Mohd Nor, Rafidah Hod, Nur Aqilah Kamaruddin. Emerging role for the NLRP3 inflammasome in endothelial cell 2 activation –under review
4. Razif Abas, Halimatus Sakdiah Minhat, Suhainizam Muhamad Saliluddin, Rusliza Basir, **Nur Izah Ab Razak**, Nurul Hayati Mohamad Zainal, Noorkardiffa Syawalina Omar. Medical Students' Mental Health Status and Coping Strategies among Gender and Phase of Clinical Study with their Quarantine Status During Covid-19 Pandemic in Universiti Putra Malaysia – under review

### Conference Proceedings (in 5 years)

1. **Nur Izah Ab Razak**, Louise A. Diver, Samantha Alvarez-Madrado, Stacy Robertson, Martin McBride, Paul M. Stewart, John M. Connell, Scott M. MacKenzie & Eleanor Davies. Bioinformatic Analysis of Altered microRNA Production in Normal Adrenal Tissue and Aldosterone-Producing Adenoma. *Endocrine Abstracts (2014) 34 P364* | DOI: 10.1530/endoabs.34.P364. Society for Endocrinology BES 2014. Poster Communication
2. **Nur Izah Ab Razak**, Louise A. Diver, Scott M. MacKenzie, Eleanor Davies. Bioinformatic analysis of microRNAs associated with aldosterone secretion. *Endocrine Abstracts (2015) 38 P402* | DOI:10.1530/endoabs.38.P402. Society for Endocrinology BES 2015. Poster Communication
3. **Nur Izah Ab Razak**, Louise A. Diver, Martin McBride, Scott M. MacKenzie, Eleanor Davies. microRNA profiling of H295R cells following stimulation of aldosterone production: a bioinformatic study. *Endocrine Abstracts (2015) 37 OC11.3* | DOI:10.1530/endoabs.37.OC11.3. European Society of Endocrinology, 17th European Congress of Endocrinology. Oral communication
4. **Nur Izah Ab Razak**, Scott M. MacKenzie, Louise A. Diver, Zhiguo Zou, Stacy Robertson, Martin McBride, E. Marie Freel, Eleanor Davies. Discovery of putative aldosterone-regulating microRNAs by analysis of in vitro and in vivo microRNA profiles. *Endocrine Abstracts (2016) 44 P32*, DOI:10.1530/endoabs.44.P32. Society for Endocrinology BES 2016. Poster Communication
5. **Nur Izah Ab Razak**, Scott M. MacKenzie, Louise A. Diver, Zhiguo Zou, Stacy Robertson, Martin McBride, E. Marie Freel, Eleanor Davies. Regulation of aldosterone and cholesterol-related genes by microRNAs in the H295R adrenocortical carcinoma cell line. *International Anatomical and Biomedical Scientific Conference 2017 (IABS 2017)*. Poster communication

6. **Nur Izah Ab Razak**, Scott M. MacKenzie, Louise A. Diver, Martin McBride, Eleanor Davies. microRNA clusters expression in H295R cell line and their putative cholesterol signalling pathways. FAOPS2019 & ADInstruments Teaching Workshop, Kobe. Poster communication
7. **Ni Razak**, Felix Yong, Rafidah Hod, Hazreen H. Harith, Bahari Hasnah – 3D printing model as a teaching tool in understanding musculoskeletal system among medical students. FAOPS2019 & ADInstruments Teaching Workshop, Japan, 2019
8. **Nur Izah Ab Razak**, Sufi Firdaus Fakhurraray, Hasnah Bahari, Yong Yoke Keong, Rafidah Hod, Rahmita Wirza O.K Rahmat. A New Approach Using Augmented Reality Visualization to Improve Teaching & Learning of the Anatomy & Physiology of Cardiac Cycle. International University Carnival on E-Learning (IUCEL 2019), University Malaysia Sarawak. Poster Communication.
9. **Nur Izah Ab Razak**, Sufi Firdaus Fakhurraray, Rahmita Wirza O.K Rahmat. Human Cardiac Cycle: The Novel Approach of Teaching & Learning Through Augmented Reality. International Competition and Exhibition on Computing Innovation 2019 (iCE-CInno 2019), University Malaysia Pahang. Poster Communication
10. **Nur Izah Ab Razak**, Sufi Firdaus Fakhurraray, Rahmita Wirza O.K Rahmat. Augmented Reality of Human Cardiac Cycle (Edumedic-AR Series 1). Putra InnoCreative Competition Carnival in Teaching & Learning 2019 (PicTL 2019). Poster Communication
11. **Nur Izah Ab Razak**, Scott Mackenzie, Eleanor Davies. Human MicroRNA Clusters: The Expression in H295R Cell Line and Their Putative Cholesterol-Related Pathways. The 17th Asia-Oceania Congress of Endocrinology and the 8th Seoul International Congress of Endocrinology and Metabolism (AOCE-SICEM 2020) & KES (Korean Endocrine Society), Virtual Congress. Oral communication (Virtual)
12. Chin Wen Jie, **Nur Izah Ab Razak**, Rahmita Wirza O.K Rahmat. Renal Anatomy and Physiology (renAR). 4th International Conference on Computer Assisted System in Health (CASH) 2020. UPM. Poster communication (Virtual)
13. Goh Jian Hui, **Nur Izah Ab Razak**, Rahmita Wirza O.K Rahmat. Pancreas Anatomy and Physiology. 4th International Conference on Computer Assisted System in Health (CASH) 2020. UPM. Poster communication (Virtual)
14. Phang Kok Wai, **Nur Izah Ab Razak**, Rahmita Wirza O.K Rahmat. Lung Anatomy And Physiology. 4th International Conference on Computer Assisted System in Health (CASH) 2020. UPM. Poster communication (Virtual)
15. Muhammad Fawwaz Muhammad Yusoff, **Nur Izah Ab Razak**. Ibn Qutaybah al-Dīnawarī (d. 276AH/ 889CE), Discordant Medical Hadith and Epidemiology. Seminar Antarabangsa Islam dan Sains (SAIS 2020). USIM. Poster communication (Virtual)
16. Muhammad Fawwaz Muhammad Yusoff, **Nur Izah Ab Razak**. The Proximity of Mushkil al-Ḥadīth Related to Food and Nutrition: Reflections on the Genre of al-Tibb al-Nabawi. Engagement with Obscure Quranic Verses and Hadith Texts in Classical and Modern Literature. IIUM. Poster communication (Virtual)

#### Books (If any)

#### Chapter in Books (If any)

### Research Grants (Main & Co-Investigator)

No.	Project Title	Amount (RM)	Year	Source of Fund
1.	A New Approach Using Augmented Reality Visualisation to Improve Medical Students Learning of the Cardiac Cycle (Main)	15000	2018-2020	GIPP- 9323739
2.	A Simulation Animation of 3D Lung Respiratory System with Augmented Reality as Interactive Medical Learning. (Co)	25000	2020-2021	GIPP- 9323773
3.	Stereoscopic Augmented Reality Mobile Application with High Dynamic Range Rendering of 3D Human Heart and the Abnormalities. (Co)	44000	2019-2021	PRGS- 325204-332651

### Awards/ Recognition

No.	Name of awards	Award Authority	Award Type	Year
1.	Scholarship for Undergraduate Medical Programme	JPA	Monetary	2002-2007
2.	Scholarship for PhD	KPT	Monetary	2012-2016
3.	Young Educators Travel Award	Federation of the Asian and Oceanian Physiological Societies (FAOPS2019), Kobe Japan	Monetary	2019
4.	Workshop Sponsorship	National Institute for Physiological Sciences, FAOPS2019 & Biology Workshop, Okazaki, Japan	Monetary	2019
5.	Gold Award	International Competition and Exhibition on Computing Innovation 2019 (iCE-CInno 2019)	Medal	2019
6.	Bronze Award	International University Carnival on E-learning 2019 (IUCEL 2019)	Medal	2019
7.	Sijil Perkhidmatan Cemerlang 2019	UPM	Certificate	2020
8.	Gold Award	Putra Innocreative Competition Putra InnoCreative Carnival in Teaching and Learning 2019 (PicTL 2019)	Medal	2020
9.	Gold Award	Innovation Showcase @ Putra Future Classroom 2019 (Pancreas)	Medal	2020
10.	Gold Award	Innovation Showcase @ Putra Future Classroom 2019 (Renal)	Medal	2020



11.	Bronze Award	Innovation Showcase @ Putra Future Classroom 2019 (Lung)	Medal	2020
12.	Gold Award	Renal Anatomy and Physiology (renAR ) 4th International Conference on Computer Assisted System in Health (CASH) 2020	Medal	2020
13.	Silver Award	Lung Anatomy and Physiology 4th International Conference on Computer Assisted System in Health (CASH) 2020	Medal	2020
14.	Bronze Award	Pancreas Anatomy and Physiology 4th International Conference on Computer Assisted System in Health (CASH) 2020	Medal	2020
15.	General Virtual Oral Presentation Grant	Asia-Oceania Congress of Endocrinology and the 8th Seoul International Congress of Endocrinology and Metabolism (AOCE-SICEM 2020) & KES (Korean Endocrine Society)	Monetary	2020

### Professional Services/ Consultation

No.	Year	Title	Authority
1.	-	Refer designation above.	

### Student Supervision

No.	Name	PhD (Main Supervisor) Title	Status
1.	-		

#### Master with Thesis (Main Supervisor & co)

No.	Name	Title	Status
1.	Sufi Firdaus Bin Fakhurrazey (Co)	Stereoscopic Augmented Reality Approach For Heart Anatomy	Active
2.	Yap Shook Chin (Co)	Immersive Technologies for Anatomical Presentation and Education Using Marker-based Augmented Reality Technology within Web-based and Mobile-based Platform	Active

#### Master without Thesis (Main Supervisor)

No.	Name	Title	Status
1.	-		

### Attended Seminars/ Workshops/ Forums both National and International

No.	Year	Title	Organizers
1.	2017	International Anatomical & Biomedical Scientific Conference 2017	FMHS, UPM
2.	2018	BIOPAC Workshop, Singapore	Precision Technologies, Singapore
3.	2018	The World Urban Forum (WUF) with the theme of Cities 2030, Cities for All: Implementing the New Urban Agenda.	WUF
4.	2018	Determinants for Cardiovascular Disease Health Check Questionnaire: A Validation Study	DFM, FMHS
5.	2019	FAOPS2019 & ADInstruments Teaching Workshop, Kobe Convention	Physiological Society of Japan, Kobe, Japan
6.	2019	Klinik PRIMIS	FMHS, UPM
7.	2019	Workshop on Academic Writing and Publishing	Enago Academy and UPM Serdang
8.	2019	International Conference On E-Learning	UNIMAS Sarawak
9.	2019	Mesyuarat Transformasi Governan	FMHS, UPM
10.	2019	Sesi Hala Tuju Dan Pelan Pemeriksaan Penyelidikan FPSK	FMHS, UPM
11.	2019	Biologi Biothermal Workshop, FAOPS 2019 SATELITE -NIPS	National Institute For Physiology Science, Okazaki Japan
12.	2019	SESI PENERANGAN HALA TUJU DAN PELAN TINDAKAN JINM OLEH TNC (JINM)	FMHS, UPM
13.	2019	KURSUS NEURO LINGUISTIC PROGRAMME (NLP)	Registrar Office, UPM
14.	2019	1ST CLINICAL PATHOLOGICAL CONFERENCE (CPC 2019)	HPUPM
15.	2019	KURSUS RUBRICS	PUSAT PEMBANGUNAN AKADEMIK
16.	2019	PUTRA INNOCREATIVE CARNIVAL IN TEACHING AND LEARNING (PICTL) 2019	PUSAT PEMBANGUNAN AKADEMIK

17.	2019	PUTRA INNOCREATIVE WORKSHOP (PICTL 2019)	PUSAT PEMBANGUNAN AKADEMIK
18.	2020	Malaysia Stroke Virtual Conference 2020	Malaysia Stroke Council
19.	2020	Physiology International Web Conference: How to educate college students during the pandemic era, from the perspective of physiology	Indonesian Physiological Society and Universitas Sriwijaya
20.	2020	Sesi Perkongsian Alat Bantu Mengajar (Class VR) Daripada Fargoes Infotech Sdn Bhd	Pusat Pembangunan Akademik, UPM
21.	2020	Google Classroom for Teaching Siri 3	FMHS, UPM
22.	2020	Online Database Training by Publisher: TURNITIN	Perpustakaan Sultan Abdul Samad, UPM
23.	2020	Clinical Update in COVID-19	Docquity
24.	2020	Sunway GP Seminar	Docquity
25.	2020	Hypothyroidism	Docquity
26.	2020	Lifestyle and Cardiovascular Disease	Docquity
27.	2020	2019-nCoV: The Essential Clinicians Need to Know	Docquity
28.	2020	Addison's Disease	Docquity
29.	2020	Basic O&G Ultrasound Course for Primary Care	HPUPM
30.	2021	TIPS, TEKNIK DAN STRATEGI PENULISAN SERTA PENERBITAN ARTIKEL BERBENTUK NARRATIVE REVIEW/KONSEPTUAL	Dr Hayrol Azril, Cisco Webex
31.	2021	PENULISAN ARTIKEL JURNAL BERIMPAK TINGGI GAYA SPRINGER, ELSEVIER DAN EMERALD	Dr Hayrol Azril, Cisco Webex
32.	2021	Weekly Webinar on COVID-19: DNR and Ethics in COVID-19 Era	MOH
33.	2021	Majlis Naratif Naib Canselor UPM 2021	Pusat Strategi Dan Perhubungan Korporat, UPM

<b>Intellectuals Property</b>			
<b>Patent/ Copyright Granted</b>			
<b>No.</b>	<b>Date</b>	<b>Patent/ Copyright No.</b>	<b>Name</b>
1.	20/9/2019	LY2019005665 (Copyright)	Cardiac Cycle AR – Source Code
2.	20/9/2019	AR2019005670 (Copyright)	Cardiac Cycle AR – Set of Makers
3.	12/2/2020	LY2020000519 (Copyright)	Pancreas Anatomy (AR) Pansulin – Source Code
4.	12/2/2020	FM2020000508 (Copyright)	Pancreas Anatomy (AR) Pansulin – Video
5.	12/2/2020	FM2020000518 (Copyright)	Lung Anatomy and Physiology (AR) PNEU_Pro – Video
6.	12/2/2020	LY2020000520 (Copyright)	Lung Anatomy and Physiology (AR) PNEU_Pro – Source Code



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| 7. | 12/2/2020 | LY2020000515 (Copyright) | Renal Anatomy and Physiology (AR) renAR – Source Code |
| 8. | 12/2/2020 | FM2020000509 (Copyright) | Renal Anatomy and Physiology (AR) renAR - Video       |