

RESEARCH ACTIVITIES REPORT CRU ASSOCIATE MEMBERS (CRAMS) AND CLINICIAN SCIENTIST COTERIE (CSC) FOR SERIE 1/2023 SHARING FROM CRAMS AND CSC'S MEMBER! 2023



By Salwana Ahmad

CRAMs Online Meeting was held every 2 months among CRAMs Members, Clinician Scientist Coterie (CSC) Members and staff among Hospital Pengajar, UPM and Faculty of Medicines and Health Sciences, UPM. This session was intended for the CRAMs members to share their research activities in the department and how they are coping with all the coming challenges and strive to keep moving forward. During the session, the members will have to present their research activities report comprising of remarkable research activities and outputs, promoting positive perceptions and motivation for facing challenges, improving clinical research, and cultivating research & networking. In light of cultivating the spirit of research and knowledge sharing, here are the summaries of the presentation shared for all of us to get to learn how is everyone is doing in proceeding with the quality research in UPM.



DEPARTMENT OF MEDICAL SPECIALIST

Background:

The Department of Medical Specialists was established in 1998.

There are 10 units:

- ❖ 9 clinical units: Internal medicine, Dermatology, Endocrine, Nephrology, Hematology, Respiratory, Emergency Medicine, and Rheumatology.
- ❖ 1 pre-clinical unit: Pharmacotherapeutics.
- ❖ Department Lecturer: 1 Professor (Medicine), 1 Professor, 3 Associate Professors (Medicine), 14 Lecturer (Medicine) and 1 Senior Lecturer.



CRAMs Member: Dr. How Kang Nien

Department Specialist and Lecturers:



List of lecturers:

1. Prof. Dr. Christopher Lim Thiam Seong
2. Prof. Dr. Johnson Stanslas
3. Dr. Nor Fadhlina Binti Zakaria
4. Dr. Anim Binti Md. Shah
5. Dr. Wan Zul Haikal Hafiz Bin Wan Zukiman
6. Assoc. Prof. Dr. Bahariah Binti Khalid
7. Dr. Norzian Bin Ismail
8. Dr. Ng Ooi Chuan
9. Dr. How Kang Nien
10. Dr. Wan Syazween Lyana Bt. Wan Ahmad Kammal
11. Dr. Ummi Nadirah Binti Daut
12. Dr. Syazlyna Binti Mohd. Sazilly Lim
13. Dr. Mazatulfazura Sf Binti Salim
14. Dr. Izwan Zuhri Bin Abdul Malek
15. Dr. Maz Anirah Binti Abdul Azis
16. Dr. Wan Syamimee Bt Wan Ghazali
17. Dr. Zahira Binti Zohari

REMARKABLE RESEARCH ACTIVITIES AND OUTPUTS

Research Highlights and Achievements:

Components	Achievement
Research grants	
PI Public grant	3 - total 348, 600
PI private grant	1 - total 12, 600
Ongoing public grant	3 - 670, 556

Table 1 Amount of research grants received by the members of the departments

Publications among all team members.

Principal Investigator/Senior Author	Achievement
Prof. Dr. Johnson Stanslas	6
Prof. Dr. Christopher Lim Thiam Seong	1
Prof. Madya Dr. Bahariah Khalid	4
Prof. Madya Dr. Wan Syamimee Wan Ghazali	2
Prof. Madya Dr. Nor Fadhlina Zakaria	1
Dr. How Kang Nien	3
Dr. Ahmad Luqman Md Pauzi	1
Dr. Lim Chee Woei	2
Dr. Wan Syazween Lyana Wan Ahmad Kammal	1
Dr. Hakimah Mohammad Sallehuddin	1

Research fund granted to the department (Public Grant).

Principal Investigator	Research Grants	Duration	PI/CO	Ongoing/Completed	Source of Fund
Prof. Dr. Johnson Stanslas	Development Of A Standardised Aqueous Extract Of Hemptu Bumi (Andrographis Paniculata) Harapan Accession For Asthma Prophylaxis: From Seeds To Pills.	2019–2022	PI	On-going	HRGS – RM350,000
	Deciphering the Interplay Between Autophagy and Apoptosis in Pancreatic Cancer Models Treated with RAS-MAPK Inhibitors: Implication in Gemcitabine Chemotherapy.	2021	PI	Completed	HRGS – RM163,770
Assoc. Prof. Dr. Wan Syamimee Wan Ghazali	Asymptomatic Vertebral Fracture In Osteoarthritis And Its Associated Factors.	2022–2023	PI	On-going	Geran Putra – RM35,000
Assoc. Prof. Dr. Nor Fadhlina Zakaria	Evaluation of NGAL, KIM, MCP-1 and TWEAK biomarkers with utilisation of electron microscopy (EM) for early prediction of outcome in lupus nephritis.	2021–2024	PI	On-going	FRGS – RM181,000
Dr. Ooi Cheow Peng	Assessing the Needs of Patients with Complex Multimorbidities of Diabetes Mellitus in the Social Disadvantaged Groups to Engage in the Management of the Conditions in the Rural Community.	2018–2020	PI	Completed	Geran Putra – RM60,000
Dr. How Kang Nien	Variability in Response to Hydroxychloroquine among Malaysian Patients with Cutaneous Lupus: Could genetic polymorphisms of cytochrome P450 play a role?	2020–2023	PI	On-going	FRGS – RM139,556
	The Effect of Neonatal Blue Light on Atopic Dermatitis: A Prospective Cohort Study.	2021–2023	PI	On-going	IPM – RM30,000
Dr. Lim Chee Woei	Potential Anti-Metastatic Property by a Novel 14-Deoxy-11, 12-Didehydroandrographolide Analogue .	2018–2022	PI	On-going	Geran Putra – RM60,000
	The Role of Peroxisome Proliferator-activated Receptor- β/δ antagonist in Melanogenesis.	2022–2025	PI	On-going	FRGS – RM163,400
Dr. Hakimah Mohammad Sallehuddin	Development and Feasibility of a Multi-domain Intervention Program for Post-Stroke Bone Health (BOUNCE- Bone health in older adults' intervention post acute stroke) in Hospital Pengajar Universiti Putra Malaysia (HPUPM)	2022–2025	PI	Ongoing	FRGS – RM150,200
Dr. Zahira Zohari	Pemeriksaan perkhidmatan penjagaan kesihatan warga emas di Rumah Seri Kenangan Cheras, Selangor melalui kepakaran penjagaan geriatrik Hospital Pengajar Universiti Putra Malaysia (HPUPM).	2022–2023	PI	Ongoing	KTGS – RM10,000

Research fund granted to the department (Private).

Principal Investigator	Research Grants	Duration	PI/CO	Ongoing/Completed	Source of Fund
Prof. Dr. Christopher Lim Thiam Seong	The role of new biomarkers DKK-3 and BCL-3 and TNF- α In predicting the renal decline in type 2 Diabetic nephropathy patients.	2019-2022	PI	On-going	MSN – RM20,000
	The impact of elevated TNF receptor 1 & 2 on the rapid progression of DKD.	2020 – 2023	PI	On-going	MSN – RM15,000
	Evaluating Usability, Feasibility and Acceptability of Digital Health Intervention (DHI) in Hemodialysis Patients.	2022	PI	Completed	Naluri Hidup – RM13,230
	The Evaluation of Incidence, Renal Prognosis and Mechanism of Inflammatory Pathway on Acute Kidney Injury in Diabetic Kidney Disease Patients.	2022-2025	PI	On-going	MSN – RM12,000
Assoc. Prof. Dr. Nor Fadhlina Zakaria	Role of Biomarker Differentiating Primary and Secondary membranous glomerulonephritis.	2019-2022	PI	On-going	MSN – RM10,000
	The Community Organ Donation Drive.	2020	PI	Completed	MSN – RM40,000
	Pre-dialysis Education Programme In Mybuahpinggang Website.	2021-2022	PI	Completed	Pertubuhan Tweet Perubatan Malaysia – RM60,000
Dr. How Kang Nien	A comprehensive study of the efficacy and safety Lichochalcone A containing sun block in the management of acne and post acne pigmentation among Malaysian patients.	2021-2022	PI	Completed	Beiersdorf – RM105,000
Dr. Wan Zul Haikal Wan Zukiman	The Community Organ Donation Drive.	2021	PI	Completed	MSN – RM50,000

Research fund granted to the department (International).

Principal Investigator	Research Grants	Duration	PI/CO	Ongoing/Completed	Source of Fund
Dr. Lim Chee Woei	Therapy by Inhalation: Formulating Orlistat for NSCLC.	2021-2022	PI	Ongoing	Cancer Science Institute, National University of Singapore – 45,000

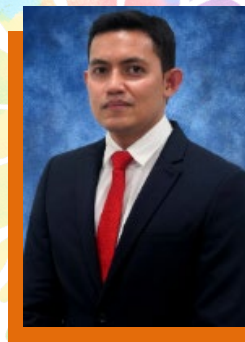
PROMOTING POSITIVE PERCEPTIONS AND MOTIVATION FOR FACING CHALLENGES, IMPROVING CLINICAL RESEARCH, and CULTIVATING RESEARCH & NETWORKING.

Challenges	Strategies
<ul style="list-style-type: none"> Difficulty in finding students (Haven't started Master Program yet) Limited public research grant funds 	
<ul style="list-style-type: none"> Limited public research grant funds 	
<ul style="list-style-type: none"> Difficulty in obtaining grants for students to carry out the research projects 	<ul style="list-style-type: none"> Alternative sources
<ul style="list-style-type: none"> Cultivate research culture 	<ul style="list-style-type: none"> Workshops
<ul style="list-style-type: none"> Grant proposal submission 	<ul style="list-style-type: none"> Dedicated writing sessions

Background:

The Department of Neurology was established in 2019 with the commencement of the clinical service operation in HPUPM. The focus of the area was on Acute Stroke Management. Aiming to become the international hub for the development of hyperacute stroke services, the Regional Emergency Stroke Quick Response Unit or RESQ was launched to facilitate a network of satellite hospitals around Klang Valley, in an effort to provide the services to a larger population of the public.

- ❖ 2 medical subspecialties: Neurology and Geriatric Medicine.
- ❖ Clinical Services: Regional Emergency Stroke Quick Response Unit (RESQ), Medical Ward 1, Neurology Clinic, and Neurophysiology Lab.
- ❖ Department Lecturer: Consultant Specialists (1 Professor (Neurology), 3 Associate Professors (Medicine)), 5 Specialists, and 5 medical officers.



CRAMs Member: Dr. Janudin Bin Baharin

Department Specialist and Lecturers:



List Of Lecturers:

1. Assoc. Prof. Dr. Wan Aliaa Binti Wan Sulaiman
2. Prof. Dr. Hamidon Bin Basri
3. Assoc. Prof. Dr. Hoo Fan Kee
4. Assoc. Prof. Dr. Liyana Najwa Binti Inche Mat
5. Dr. Abdul Hanif Khan Bin Yusof Khan
6. Dr. Loh Wei Chao
7. Dr. Azliza Binti Ibrahim
8. Dr. Anna Misya'il Binti Abdul Rashid
9. Dr. Janudin Bin Baharin
10. Dr. Hakimah Binti Mohammad Sallehuddin
11. Dr. Ahmad Firdaus Bin Hanapal
12. Dr. Fadhilah Hani Ishak
13. Dr. Aminuddin Bin Sardi
14. Dr. Yap Moon Yan
15. Dr. Wan Muhamad Amir Bin Wan Md Zin

REMARKABLE RESEARCH ACTIVITIES AND OUTPUTS

Research Highlights and Achievements:

Niche area of research:

- Stroke
- Headaches
- Genetics

Niche area of research	Researcher	Title	Ongoing/ Completed
Stroke	1. Dr. Janudin Baharin	Efficacy and safety outcome of advanced guided thrombolysis with tenecteplase in management of acute ischemic stroke: A randomised clinical trial.	In process
	2. Dr. Loh Wei Chao	Metagenomics and histopathology analysis of thrombi from cerebral arteries of patients with acute ischemic stroke: etiology and the clinical outcomes association.	In process
	3. Dr. Abdul Hanif Khan	Factors associated with outcome in Branch Atheromatous Disease (BAD) and the use of vessel wall imaging.	In process
	4. Dr. Abdul Hanif Khan	The use of transcranial direct stimulation in treatment of aphasia.	Published
	5. Dr. Anna Misya'il Abdul Rashid	RESQ clinical outcome and stroke registry.	In process
Headace	1. Prof. Dr. Wan Alia Wan Sulaiman	Repetitive transcranial magnetic stimulation for preventive treatment of episodic migraine.	Ongoing
	2. Prof. Dr. Wan Alia Wan Sulaiman	The effectiveness and tolerability of multistrain probiotic as adjunctive preventive treatment for episodic migraine: a single centre, randomised, double blind, sham control phase trial (PROBIOTICS -EM)	Ongoing
	3. Dr. Anna Misya'il Abdul Rashid	Quantitative EEG among migraine patients versus healthy controls.	In process

Researcher	Title	Ongoing/ Completed
1. Assoc Prof. Dr. Liyana Najwa Inche Mat	AVERT DOSE Trial: Determining the most effective mobility training program early after stroke.	Ongoing
2. Dr. Abdul Hanif Khan	OPTIMISTmain Trial: Safety trial of low intensity monitoring after thrombolysis: Optimal post Tpa-1u Monitoring in ischemic stroke.	Ongoing
3. Assoc .Prof. Dr. Foo Kan Kee & Dr. Loh Wei Chao	OCEANIC Stroke Study: Investigational oral factor Xla (Fsla) inhibitor.	In process
4. Assoc .Prof. Dr. Foo Kan Kee & Dr. Azliza Ibrahim	TICH-3 Trial: Tranexamic Acid for Hyperacute primary intracerebral Haemorrhage (TICH-3))	In process
5. Prof. Dr. Hamidon Basri	MAESTOSO Trial Access the efficacy and safety of MLC1501 in stroke patients.	In process

PROMOTING POSITIVE PERCEPTIONS AND MOTIVATION FOR FACING CHALLENGES, IMPROVING CLINICAL RESEARCH, and CULTIVATING RESEARCH & NETWORKING.

Tips to improve on research activities:

- A “father figure” in the department to inspire and monitor research activities.
- Balance between clinical services versus teaching versus clinical research.
- Work as a team rather than an individual.
- Networking with industries and pharmaceutical companies.
- An in-charge person to coordinate research activities within and outside the department (Collaborations)



DEPARTMENT OF PATHOLOGY

Background:

The Department of Pathology consists of multiple pathology disciplines/units providing diagnostic services in Hospital Pengajar Universiti Putra Malaysia (HPUPM).

The disciplines under the department include:

- ❖ Hematology, Chemical Pathology, Histopathology, Cytopathology, Immunology, Transfusion Medicine and Forensic Pathology
- ❖ Department Lecturer: 1 Professor (Medicine), 1 Professor, 3 Associate Professors (Medicine), 14 Lecturer (Medicine) and 1 Senior Lecturer.



CRAMs Member: Dr. Hasni Mahayidin

REMARKABLE RESEARCH ACTIVITIES AND OUTPUTS

Research Highlights and Achievements:

Amount of research grants received by the members of the departments:

Year	Amounts
2018	RM506,600
2019	RM249,000
2020	RM294,060
2021	RM197,021
2022	RM88,203

The number of publication by the members of the departments:

Year	Published/Accepted	Submitted	Total
2020	46	16	62
2021	52	24	76
2022	47	18	65

List of research grants awarded in 2022.

Researcher	Title	Source	Amount RM
Prof. Dr. Sharmili Vidyadaran	Optimising neuronal differentiation of N2a neuroblastoma cells and selecting a common culture media for a microglia-induced neurotoxicity (MINT) model	GP-IPS	25,000
Prof. Madya Dr. Subashini Chellappah Thambiah	A Pilot Study in Malaysia to Evaluate Estimated Low-Density Lipoprotein Cholesterol (LDL) Concentration by Novel Sampson Equation, by Comparing with Friedewald Equation and Direct LDL Assay	GERAN PUTRA_KITARAN 2/2022	20,000
Prof. Madya Dr. Ho Kok Lian	Animal challenge study of Japanese encephalitis vaccine based on virus-like particles of nodavirus	PRGS 2022	193,000
	Development of Multi-Variant SARS-CoV-2 Vaccine Based on Virus-like particles	MOSTI COVID-19 FUND	448,500
Dr. Masriana Hassan	Immunomodulatory effects of Mitragnyna Speciosa Methanolic Extract (MSME) on cellular immunity investigated in a sheep red blood cells (SRBC)-induced delayed type hypersensitivity (DTH) in Balb/c mouse	GP-IPS	20,000
Prof. Madya Dr. Intan Nureslyna Samsudin	Correlating HbA1c result from capillary electrophoresis (CE) and high-performance liquid chromatography (HPLC) measurement	GERAN PUTRA IPS	25,000
Dr. Siti Yazmin Zahari Sham	In vitro verification of the molecular mechanisms of miR-101-3p and its target mRNA in diabetic kidney disease.	FRGS	127,523
	Determination of expression pattern of miR-101-3p and miR-145-5p in renal cells in response to high glucose	GP-IPS	23,000

List of publications.

Researcher	Journal	Title	Status
Prof. Madya Dr. Rajesh Ramasamy	Gene	Directional capacity of human mesenchymal stem cells to support hematopoietic stem cell proliferation in vitro	Published
	Journal of Zhejiang University-SCIENCE B (Biomedicine & Biotechnology)	Electromagnetic field exposure as a plausible approach to enhance the proliferation and differentiation of mesenchymal stem cells in clinically relevant scenarios	Published
Prof. Dr. Sharmili Vidyadaran	MJMHS	Differentiating low-density N2a cultures to post-mitotic neurons: a comparison of serum deprivation and addition of a retinoic acid analogue	Submitted
Prof. Madya Dr. Lai Mei I	Cardiovascular & Hematological Disorders-Drug Targets	The Novel Role of the B-Cell Lymphoma/Leukemia 11A (BCL11A) Gene in β -Thalassaemia Treatment	Submitted

List of publications.

Researcher	Journal	Title	Status
Prof. Madya Dr. Norhafizah Mohtarrudin	Malaysian Journal of Pathology	HER3 overexpression and hypomethylation in colorectal adenocarcinoma	Published
	Malaysian Journal of Pathology	Inflammatory Myofibroblastic Tumour of trachea: A case report	Submitted
Prof. Madya Dr. Subashini Chellappah Thambiah	Malaysian Journal of Pathology	Serum separation anomalies in a multiple myeloma patient	Accepted
	MJMHS	Glycated Haemoglobin as an Index of Glycaemic Control: Ethnic Variation among Patients with Type 2 Diabetes Mellitus in a Malaysian Tertiary Hospital	Accepted
	MJMHS	Limitations of the human chorionic gonadotropin (hCG) assay in the diagnosis of gestational trophoblastic disease	Accepted
	MJMHS	Diagnosis and management of intrahepatic cholestasis of pregnancy- A retrospective clinical audit	Accepted
	Malaysian Journal of Pathology	National Guideline on Retention of Pathology Records and Materials (Version 2/2022)	Published
	Journal of Paediatrics and Child Health	Milky ascitic fluid in a newborn	Published
	Malaysian Journal of Pathology	The relationship between Pattern B lipoprotein profile and low density lipoprotein cholesterol subfractions with Metabolic Syndrome and Framingham Risk Score in adults at health screening in Malaysia	Submitted
Dr. Masriana Hassan	MJMHS	Evaluation of phytochemical composition, antioxidant and anti-diabetic activities of mitragyna speciosa methanolic extract (msme)	Accepted
Dr. Hasni Mahayidin	IIUM Medical Journal Malaysia	An Updated Review of Type 1 Diabetes in Malaysia	Published
	MJMHS	Modifications of OSCE for UPM Preclinical Medical Students during COVID-19 Pandemic	Accepted
	MJMHS	Newly Diagnosed Systemic Lupus Erythematosus in a COVID-19 Positive Patient: A Case Report	Submitted
	Malaysian Journal of Pathology	Clinical usefulness of anti-cell membrane DNA autoantibodies in serology negative systemic lupus erythematosus	Published
Prof. Madya Dr. Sabariah Md. Noor	Malaysian Journal Of Pathology	Family study of hemoglobin arya in a malaysian family	Accepted
	MJMHS	Haematologic profile of haemoglobin constant spring and its co-inheritance with alpha and beta thalassaemia among form four students in negeri sembilan	Accepted
	MJMHS	Ctla-4 +49a/g and -318 c/t polymorphisms and cytokines level on inhibitors development of haemophilia a among different ethnicity in malaysia"	Accepted
Dr. Lai Shau Kong	MJMHS	A case of angiomatoid epithelioid sarcoma mimicking an epithelioid vascular neoplasm	Accepted
Dr. Razana Mohd Ali	MJMHS	Vaginal angioyofibroblastoma. An uncommon benign mesenchymal tumour	Accepted

List of publications.

Researcher	Journal	Title	Status
Dr. Huzlinda Hussin	MJMHS	High cd14 antigen expression in urothelial bladder carcinoma establishes that the inflammatory microenvironment promotes tumour cell proliferation	Accepted
	MJMHS	Diagnostic pitfalls of metastatic lobular breast carcinoma to the endometrium in a patient on long standing tamoxifen therapy	Accepted
	Biomarker Insights	Differential protein expression patterns of hoxa13 and hoxb13 are associated with bladder cancer progression	Submitted
	Malaysian Journal Of Medical Sciences	Correlation of mast cell density with prognostic parameters in invasive breast carcinoma	Submitted
	Malaysian Journal Of Medical Sciences	Grades of poorly differentiated clusters are positively correlated with lymph nodes and lymphovascular invasion in colorectal carcinoma	Submitted
Prof. Madya Dr. Intan Nureslyna Samsudin	MJMHS	Verification of serum thyroglobulin results in thyroglobulin antibody positive sample using thyroglobulin recovery test in patients post treatment for differentiated thyroid carcinoma	Accepted
	MJMHS	The effect of storage at -20°C and -80 °C on hba1c measurements in whole blood samples analysed using bio-rad d-10	Accepted
	MJMHS	Prevalence of macroprolactinaemia in hyperprolactinaemic subjects at hospital tengku ampuan rahimah klang, malaysia	Submitted
Prof. Madya Dr. Maizaton Atmadini Abdullah	MJMHS	Estrogen receptor and progesteron receptor as potential prognostic immunohistochemical markers and association with clinical outcome of papillary thyroid carcinoma patients	Submitted
	MJMHS	Identification of MYC/BCL2 double-expressers lymphomas in Diffuse Large B Cell Lymphoma patients and association with their prognostic parameters and survival rates: A single centre experience.	Submitted
Prof. Madya Dr. Eusni Rahayu Mohd Tohit	Journal of Drug Delivery & Science Technology	Factors influencing the swelling property of polymethyl vinyl ether-co-maleic acid hydrogels crosslinked by polyethylene glycol	Published
	Tissue Engineering Part C	Investigation and optimisation of hydrogel microneedles for transdermal delivery of caffeine	Published-ahead of print
	MJMHS	Lymphoplasmacytic Lymphoma with Paraprotein IgG	Accepted
	The Asia Pacific Scholar	Clinical Pathology Application and Design Thinking Skills Task Book Experiential Learning	Accepted
Dr. Faridah Idris	Malaysian Journal of Pathology	Estimation of a cut-off value for immature platelet fraction (IPF) in predicting platelet recovery in dengue patients with thrombocytopenia	Submitted
	MJMHS	Visualising Digital Pathology Research : A Bibliometric Analysis from 1991-2021	Accepted
	MJMHS	Setting Up a Transfusion Laboratory for COVID-19 Samples: An Experience from a New Teaching Hospital.	Submitted
Dr. Siti Yazmin Zahari Sham	The Malaysian Journal of Pathology	An insight of dysregulation of microRNAs in the pathogenesis of diabetic kidney disease	Published
	Kidney Blood Pressure Research	Circulating miRNAs in Type 2 Diabetic Patients with and without Albuminuria in Malaysia	Published
	MJMHS	Prediction of mRNA targets of miR-101-3p in diabetic kidney disease by bioinformatics tools	Accepted
	MJMHS	Elucidation of mRNA targets of miR-145-5p in diabetic kidney disease using bioinformatics analysis	Accepted

List of publications.

Researcher	Journal	Title	Status
Prof. Madya Dr. Ikmal Hisyam Bakrin	Pathology	Phosphoglyceride Crystals Deposition Disease: A Rare Pseudosarcomatous Growth with Peculiar Predilections.	Published
	Visual Journal of Emergency Medicine	Bony Tongue: A Rare Base of Tongue Osseous Choristoma Case Report	Published
	MJMHS	An Unusual Presentation of Neurotized Congenital Giant Melanocytic Nevus and Type 1 Neurofibromatosis: A Diagnostic Challenge	Published
	Malaysian Journal of Pathology	T-cell Rich Angiomatoid Polypoid Pseudolymphoma (TRAPP): A rare and specific entity of cutaneous pseudolymphoma, first reported case in Malaysia	Submitted
	Cell Molecular Biology	Homologous recombination repair gene mutations in Malaysian prostate cancer patients	Accepted
	MJMHS	Detection of Isocitrate Dehydrogenase (IDH-1), Epidermal Growth Factor Receptor (EGFR), P53 and C-erbB2/HER2 Mutation in Astrocytic and Oligodendroglial Tumour.	Submitted
	MJMHS	Primary Small Cell Neuroendocrine Carcinoma: A rare entity of bladder neoplasm	Submitted
	MJMHS	Primary Aggressive Osteosarcoma of Sphenoid Bone	Accepted
	Malaysian Journal of Pathology	Genetic alterations in Prostate Cancer as diagnostic and prognostic markers	Submitted
	Expert Systems With Applications	Artificial Intelligence (AI) in Breast Imaging: A Scientometric Umbrella Review	Submitted

Local and International Collaboration

Researcher	Topic	Collaborator	Year
Assoc Prof. Dr. Maizatun Atmadini	Elucidating the functional significance of Epstein-Barr virus lytic genes in nasopharyngeal carcinoma	University of Malaya	2018-2020
	Identification of markers of treatment response and recurrence in nasopharyngeal carcinoma	IMR	2020-2022
	Comparative proteomic analysis of organoid from endometriosis patient with the organoids from natural endometrium and endometrial cancer.	University of Newcastle, Australia	2022-2024
	A framework of automated cancer cells detection using computer vision and deep learning algorithm.	Taylor's University, Petaling Jaya	2021-2022
Dr. Huzlinda Hussin	Safety and effect of allogenic Wharton 's jelly derived mesenchymal stem cells for treatment of large and multiple knee articular cartilage defects	Cutopeutics Sdn. Bhd.	2022
	Discovering the nanotoxicity potential of formulated nano colloid containing cyclosporine for topical anti-psoriatic treatment and its delivery.	Faculty of Pharmacy and Health Sciences, University Kuala Lumpur Royal College of Medicine, Perak	2020-2022
	Toxicity activities on an immunomodulatory polysaccharides fraction isolated from Solanum nigrum and its physicochemical characteristic.	Faculty of Pharmacy and Health Sciences, University Kuala Lumpur Royal College of Medicine, Perak	2019-2021
Assoc. Prof. Dr. Subashini C. Thambiah	Reference intervals for bone turnover marker, CTX and PINP in a multi-ethnic Malaysian Cohort.	1) Prof. Dr. Samuel Vasikaran, Department of Clinical Biochemistry, PathWest Laboratory Medicine, Australia 2) Dr. Loh Tze Ping, Department of Laboratory Medicine, National University Hospital, Singapore	2021-2022
	FRAX model development for the Malaysia population.	1) Prof. Dr. Sarath Lekamwasam Faculty of Medicine, University of Ruhuna, Galle, Sri Lanka 2) Malaysian Osteoporosis Society	2022
Assoc. Prof. Dr Sabariah Mohd Noor	Rapid detection of large B-globin gene cluster deletions causing an increased production in HB F levels among Malaysian patients using a single tube PCR method	IMR/KKM	2021-2022
Dr. Hasni Mahayidin	A Pilot Study of Genetic and Immunological Profiling of Type 1 Diabetes Mellitus of Malaysian Patients.	IMR/UMP	2022- 2023

Organized Seminars and Awards

- HbA1c vs Blood Glucose Testing: Understanding the difference and clinical applications.
- Bone marrow trephine pathology seminar.
- Basic ELISA Workshop



abcam **UPM** **BiTA lifescience**

BASIC ELISA WORKSHOP

Date : 27th July 2022
Time : 8.30 am – 3.00 pm
Venue : Makmal Histopatologi,
 Aras 2 Blok Makmal B,
 Fakulti Perubatan dan Sains Kesihatan,
 Universiti Putra Malaysia

Fees : RM50

Reg. link : <https://bit.ly/BasicElisadaftar>
Speaker : Eileen Tan
 (Abcam Scientific Support Specialist)

Limited seat! Register NOW

What will you learn:

- ✓ Introduction to types of ELISA
- ✓ Standard and sample preparation prior to running ELISA assay
- ✓ How to plot standard curve & analyze your ELISA data
- ✓ ELISA troubleshooting tips

For registration kindly contact :
 Ms Atiqah (016-6186365) or email to info@bitlifesc.com.my
 Ms Juita (013-6240784) juita@upm.edu.my

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 BERILMU BERBAKTI
 BERKUALITI BERKUALITI



Certificate OF ACHIEVEMENT

is presented to
DR. IKMAL HISYAM BAKRIN
 for winning poster presentation

2ND

In the
7th ANNUAL SCIENTIFIC MEETING 2021
INTERNATIONAL ACADEMY OF PATHOLOGY
MALAYSIAN DIVISION (IAPMD) (Virtual)
 On 5th – 7th October 2021

Theme : Dermatopathology, Uropathology and Gynaecologic Pathology

Prof Nur Hayati Othman
 President IAPMD

Dr Actina Abd Rahman
 Chairperson 7th Annual Scientific Meeting



Certificate OF ACHIEVEMENT

is presented to
DR. LAI SHAU KONG
 for winning poster presentation

2ND

In the
7th ANNUAL SCIENTIFIC MEETING 2021
INTERNATIONAL ACADEMY OF PATHOLOGY
MALAYSIAN DIVISION (IAPMD) (Virtual)
 On 5th – 7th October 2021

Theme : Dermatopathology, Uropathology and Gynaecologic Pathology

Prof Nur Hayati Othman
 President IAPMD

Dr Actina Abd Rahman
 Chairperson 7th Annual Scientific Meeting



HbA1c vs Blood Glucose Testing

Understanding the difference and clinical applications

Date : 29 March 2022, Tuesday
Time : 9.30 am – 11.30 am Malaysia time (GMT +8)
Location : Microsoft Teams

Speakers

- Dr. Anim Md Shah, Department of Medicine, Faculty of Medicine and Health Sciences, Hospital Pengajar Universiti Putra Malaysia
- Associate Prof. Dr. Chew Boon Hoo, Department of Family Medicine, Faculty of Medicine and Health Sciences, Hospital Pengajar Universiti Putra Malaysia
- Associate Prof. Dr. Paval Sthaneswarar, Department of Pathology, Faculty of Medicine, University Malaya Medical Centre

Even though we've been measuring glucose in blood for 100 years, the question that comes up is: "How accurate is a glucose result?" Not only is there the usual preanalytical and analytical variation, but there is also large biological variability. HbA1c is not a perfect alternative, but since 1993, the NGSP Haemoglobin A1c standardization has significantly improved the measure. Of course, there are deficiencies in haemoglobin A1c. But haemoglobin A1c can be measured accurately in the vast majority of subjects with haemoglobin variants. There has been a huge improvement in the assay. This webinar is about understanding the difference between glucose and HbA1c and the clinical application of these laboratory tests.

Topics that will be covered in this webinar:

1. Methods of HbA1c measurement
2. Management and treatment of diabetic patients by a Family Medicine Specialist
3. Interpretation of HbA1c from a Nephrologist's perspective

To register:

- Click on the link below:
<https://www.siemens-healthineers.com/en-my/news-and-events/events-malaysia/blood-glucose-webinar?stc=myhc100137>
- Or scan the QR code

Register by 27 March 2022! For more details, feel free to contact:

Swan Lim
sheau.lim@siemens-healthineers.com or +6012 231 6235

Organized by **INSTITUTE OF CHEMICAL PATHOLOGY & METABOLIC MEDICINE**
 Faculty of Medicine and Health Sciences, Hospital Pengajar Universiti Putra Malaysia

Supported by **SIEMENS Healthineers**



PROMOTING POSITIVE PERCEPTIONS AND MOTIVATION FOR FACING CHALLENGES, IMPROVING CLINICAL RESEARCH, and CULTIVATING RESEARCH & NETWORKING.

In doing the research, the department faced challenges in many ways like all researchers in the field.

The top 3 mentioned challenges were:

- (i) Limited number of public and private grants that needed for research activities and publications
- (ii) Higher publication costs and time spent on the research were low.
- (iii) Unavailability of the students

To **overcome the challenges** issues, they shared a few steps and actions undertaken to improve such as:

1. Encouraging lecturers to apply for more public and private grant while for young lecturers, they can apply form university's grant from RMC.
2. Held research meetings with colleagues to write up clinical cases.

Strategies to improve research cultures:

1. The members had writing retreats as such manuscripts from Manuscripts from Masters Students' Dissertation.
2. Subscribed to BMJ Case Reports for any suitable clinical case report.
3. Had E-O-Y Brainstorming for preparing next year grant application and publications.

We would like to thank Dr. how Kang Nien, Dr. Janudin and Dr. Hasni for the sharing. We hope that the sharing can transform tacit knowledge into explicit, written, and easily communicated knowledge for the right people to receive the right information at the right time. See you the next time!.



Check out more information about our CRU Associate Members (CRAMs) for the Year 2022/ 2023 Member on HPUPM website at [CRAMs Members](#).



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