

Research Profile

CENTRE FOR
QUALITY MANAGEMENT OF MEDICINES
FACULTY OF PHARMACY

CQMM



Content

- 2 Research at CQMM
- 3 CQMM Statistics
- 4 Research Interest
- 5 Researchers
- 6 Research Publications

Introduction to Research at UKM

UKM's 40-year legacy of research excellence earned its designation as one of Malaysia's four research universities in 2006. This recognition was bolstered by the establishment of the Malaysia Genome Institute (MGI), the International Institute of Global Health, and the United Nations University at its campus. Strategically focusing its efforts, UKM identified eight key research niche areas: Challenges to Nation Building, Sustainable Territorial Development, Renewable Energy, Health and Medical Technology, Climate Change, Nanotechnology and Advanced Materials, Biological Diversity in Biotechnology Development, and ICT: Content Informatics. Demonstrating its continued global standing, UKM was ranked 138th in the 2025 QS World University Rankings.



Research at the Faculty of Pharmacy, UKM

The research structure in the Faculty of Pharmacy, UKM consists of three research centres that represent the core areas of research in pharmacy. Our research activities cover fundamental pharmaceutical chemistry, biopharmacy, herbal development, pharmacology, formulation science, pharmaceutical technology, clinical pharmacy and professional pharmacy practice. We have a wide range of research facilities from the latest analytical instruments to a research-based teaching hospital.

Faculty of Pharmacy research centres:

Centre for Drug and Herbal Development (CDHD)

Centre for Drug Delivery Technology and Vaccine (CENTRIC)

Centre for Quality Management of Medicines (CQMM)

Research at CQMM

The CQMM core research focus is on quality use of medicine (QUM), which is defined as medications appropriate to clinical needs, in doses that meet individual requirements, for an adequate period of time and at the lowest cost. Our researchers utilize various research approaches, namely hybrid methods (laboratory - clinical based), clinical studies, professional practices and policy development. We collaborate with practitioners from the Ministry of Health, pharmaceutical industries, non-governmental organizations and academia from higher education and research institutions to enhance our research impact.

Academic Staff/Researchers

14

PhD Students

32

Master of Science Students

11

Master of Clinical Pharmacy Students

29

Total Active Research Grants

13

Cumulative Amount of Research Grants

RM966K

Statistics of CQMM at 2025



Our Research Interests

Medication Adherence

Intervention enhancement, effect of complementary medicine, religiosity, adherence measurement tool for subcutaneous injections and antidiabetic medications, factors that may influence adherence.

Health economics and outcomes research in pharmacy practice

Pharmacoeconomics evaluation, budget impact analysis.

Social and administrative constructs of pharmacy practice

Medicine price transparency practice.

Antimicrobial Stewardship/Infectious Diseases

Antimicrobials utilization, patient outcomes

Cardiovascular

Salt intake and medicines, lipid control post myocardial infarction (MI), thrombolytics in MI, drug related problems (DRPs) among hypertensive population.

Nephrology

Drug metabolism, renal medication management and monitoring, renal transplant awareness, rapid renal progression

Haematology

Old and new oral anticoagulant dose individualization and monitoring, thalassemia and haemophilia.

Personalized medicine

Pharmacogenetics of drug renal clearance, pediatric anesthesia, antimalaria, immunoglobulin, pharmacokinetics and pharmacometrics.

Neurological Care

Epilepsy drug management, stroke management, psychiatric care

Geriatrics

Polypharmacy, frailty, sarcopenia, geriatric syndrome, dementia care, e-health literacy

Pediatrics

Unlicensed and off-label medicines, adherence, DRP.

Oncology

Cancer management, treatment decision making, information needs.

Innovative Healthcare Models

Home medication review, minor ailment scheme, community pharmacy extended services.

Clinical Nutrition

Clinical requirements and monitoring parameters for parenteral nutrition supply, pharmaceutical stability requirements of parenteral nutrition formulations, nutritional requirement for specific sub-populations.



OUR TEAM OF RESEARCHERS



Prof. Dr. Mohd Makmor Bakry

Qualification: B.Pharm.(Hons.)(UKM Malaysia), M.Pharm.(Clin.Pharm)(USM Malaysia), Ph.D.(Glasgow)
Research interest: Clinical Pharmacy Practice, Adherence, Pharmacogenetics, Critical Care Pharmacotherapy
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Assoc. Prof. Dr. Farida Hanim Islahudin (*Chair of Centre*)

Qualification: M.Pharm. (Hons)(Nottingham), M.Clin.Pharm (UKM), Ph.D (Nottingham)
Research interest: Clinical Pharmacy Practice, Pharmacogenetics, Nephrology, Infectious Disease, Complementary Alternative Medicine
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Qualification: B.Sc (Pharmacy)(Canada), M.Pharm.(Clin.Pharm)(USM Malaysia), Ph.D. (Glasgow)
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Assoc. Prof. Dr. Noraida Mohamed Shah

Qualification: M.Pharm.(Hons.)(IMU-Strathclyde), M.Pharm.(Clin.Pharm)(USM Malaysia), Ph.D.(Belfast)
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Assoc. Prof. Dr. Ernieda Md Hatah

Qualification: B.Pharm. (Hons.) (UKM Malaysia), M.Pharm. (Clin.Pharm)(USM Malaysia), Ph.D.(Otago)
Research interest: Medication Review, Medication Adherence, Medicine Pricing, Minor Ailment Services
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Dr. Adliah Mhd Ali

Qualification: B.Pharm. (Hons.) (UKM Malaysia), M.Pharm. (Clin.Pharm)(USM Malaysia), Ph.D.(Monash)
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Dr. Chong Wei Wen

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Dr. Shamin Mohd Saffian

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Dr. Nurul Ain Mohd Tahir

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Dr. Siti Azdiah Abdul Aziz

Qualification: B.Sc(Pharmacy)(Canada), MCLinPharm (UKM), PhD (University Malaya)
Research interest: Aging in HIV, Geriatric syndrome, Infectious disease pharmacotherapy, Clinical Pharmacy
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Dr. Chandini Menon Premakumar

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Dr. Zainol Akbar Zainal

Qualification: BSc.(Pharmacy)(Canada), MPharm. Clin. (UKM), PhD (Clinical Pharmacy) (USM)
Research interest: Healthy Ageing, Clinical Pharmacy (Geriatric Care, Psychiatry), Pharmacy Education
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Our Recent Publications (2021 to current)

Medication Adherence

- Sooriamoorthy S, Shubathira C, Wei Wen C, Mhd Ali A, Adliah C. Patient Related Factors Contributing To Subsidized Medication Wastage. **Medicine & Health**. 2023;55.
- Xi Wei, Foong, Mhd Ali, Adliah. Medication Supply Among Chronic Disease Patients And Their Adherence Towards Medication During Covid-19 Pandemic. **Medicine & Health**. 2023. 7.
- Farrukh MJ, Makmor-Bakry M, Hatah E, Jan TH. Impact of complementary and alternative medicines on antiepileptic medication adherence among epilepsy patients. **BMC Complementary Medicine and Therapies**. 2021. 21(1):50.
- Chong, CC, Redzuan, AM, Sathar, J, & Makmor-Bakry, M. Patient Perspective on Iron Chelation Therapy: Barriers and Facilitators of Medication Adherence. **Journal of Patient Experience**. 2021. <https://doi.org/10.1177/2374373521996958>
- Islahudin F, Lee FY, Abd Kadir TNIT, Abdullah MZ, Makmor-Bakry M. Continuous medication monitoring: A clinical model to predict adherence to medications among chronic kidney disease patients. **Research in Social and Administrative Pharmacy**. 2021; S1551-7411.

Haematology

- Almalbis CA, Md Redzuan A, Andrada CP, Gonzaga NA, Mohd Saffian S. Peak and trough concentrations of apixaban and rivaroxaban in adult patients: a systematic review and meta-analysis. **J Thromb Haemost**. 2025 Apr;23(4):1289-1314.
- Chun GY, Ng SSM, Islahudin F, Selvaratnam V, Mohd Tahir NA. Polypharmacy and medication regimen complexity in transfusion-dependent thalassaemia patients: a cross-sectional study. **International Journal of Clinical Pharmacy**. 2024. 46(3):736-744.
- Chun GY, Mohd Tahir NA, Islahudin F, Selvaratnam V, Li SC. Drug-related problems among transfusion-dependent thalassemia patients: A real-world evidence study. **Frontiers in Pharmacology**. 2023. 14:1128887.
- Jin LW, Tahir NAM, Islahudin F, Chuen LS. Adherence and Health-related Quality of Life of Transfusion-Dependent Thalassemia Patients. **Archives of Pharmacy Practice**. 2023. 14(4):89-95.
- Jamal M, Sathar J, Jamari J, Mohd Saffian S. A Comparison of the Incidence Rate for Joint Bleeding and FVIII Consumption between On-Demand versus Prophylaxis Factor VIII Replacement Therapy and the Direct Cost of Prophylaxis Treatment in Severe Haemophilia A Patients. **Malays J Med Sci**. 2023 Feb;30(1):129-136
- Abdullah AS, Tan HP, Mohd Saffian S. Bleeding and Thromboembolic Events in Patients with Non-Valvular Atrial Fibrillation Treated with Apixaban or Rivaroxaban. **Malays J Med Sci**. 2022 Apr;29(2):164-172
- Ng JW, Mohd Tahir NA, Chin PKL, Makmor-Bakry M, Mohd Saffian S. A systematic review and meta-analysis of dabigatran peak and trough concentration in adults. **Br J Clin Pharmacol**. 2022 Oct;88(10):4443-4459

Social, Administrative and Health Models

- Mohamed Yasin, N. S., Tuan Mahmood, T. M., Md Hatah, E., Hazaidi, H. A., & Mohd Zainal Abidin, N. A. Tailoring Educational Content for T2DM Patients: A Qualitative Study on Preferences for Interactive Multimedia Applications. **Journal of the ASEAN Federation of Endocrine Societies**. 2025. 40(1), 45–52.
- Khong JHC, Tuan Mahmood TM, Tan SL, Voo JYH, Wong SW. Knowledge, attitude and practice (KAP) on food-drug interaction (FDI) among pharmacists working in government health facilities in Sabah, Malaysia. **PLoS ONE**. 2024;19(7): e0304974.
- Roziman NSM, Mustafa Din W, Mahadi Z, Islahudin F, Said MM. Safe use elements of finished herbal products: insights from consumers and practitioners in Malaysia. **BMC Complementary Medicine and Therapies**. 2024;24(1):252.
- Islahudin FI, Shah NM, Abdul Molok Khan BA, Abdullah S, Premakumar CM. The Role of Written Education in Advancing Medication Storage Knowledge: Insights from a Malaysian Public Survey. **Malaysian Journal of Pharmacy**. 2024; 10(1):35-41.
- Yip YY, Makmor-Bakry M, Chong WW. Elements influencing user engagement in social media posts on lifestyle risk factors: Systematic review. **Journal of Medical Internet Research**. 2024 Nov 22;26:e59742.
- Badarudin NS, Mohamed Shah N, Mohd Tahir NA, Ahmat ANMF, Ismail F, Islahudin F, Yusak S, Muhammad S, Mohd Kassim KNB. Health-Related Quality of Life and Economic Analysis of Olanzapine Versus Aprepitant in Preventing Chemotherapy-Induced Nausea and Vomiting in Patients Receiving Highly Emetogenic Chemotherapy in Malaysia. **Value Health Reg Issues**. 2024 Nov;44:101028. doi: 10.1016/j.vhri.2024.101028.
- Choo, Y.W., Mohd Tahir, N.A.*, Mohamed Said, M.S. et al. Health-related quality of life in osteoporosis: a systematic review of measurement properties of the QUALEFFO-41. **Osteoporos Int**. 2024. 35, 745–757.
- Lee WJ, Mohd Tahir NA*, Chun GY, Li SC. The impact of chelation compliance in health outcome and health related quality of life in thalassaemia patients: A systematic review. **Health Qual Life Outcomes**. 2024 Feb 2;22(1):14.
- Choo YW, Mohd Tahir NA*, Mohamed Said MS, Makmor Bakry M, Li SC. Budget impact of increasing uptake of denosumab for the treatment of postmenopausal osteoporosis in Malaysia. **Arch Osteoporos**. 2023 Nov 30;18(1):145.
- Hassan F, Hatah E, Mhd Ali A, Chong WW. The Intervention Strategies And Service Model For Pharmacist-Led Diabetes Management: A Scoping Review. **BMC Health Services Research**. 2023.1-18.
- Fahmi Hassan, Ernieda Hatah, Adliah Mhd Ali, Chong Wei Wen. (2023). The Intervention Strategies And Service Model For Pharmacist-Led Diabetes Management: A Scoping Review. **BMC Health Services Research**. 2023. 1-18.
- Ng YK, Shah NM, Chen TF, Loganadan NK, Kong SH, Cheng YY, Sharifudin SSM, Chong WW. Impact of a training program on hospital pharmacists' patient-centered communication attitudes and behaviors. **Exploratory Research in Clinical and Social Pharmacy**. 2023; 11:100325.
- Wan Rohimi WNLH, Mohd Tahir NA. The cost-effectiveness of different types of educational interventions in type II diabetes mellitus: A systematic review. **Front Pharmacol**. 2022 Jul 22;13:95334.
- Choo YW, Mohd Tahir NA*, Mohamed Said MS, Li SC, Makmor Bakry M. Cost-effectiveness of Denosumab for the Treatment of Postmenopausal Osteoporosis in Malaysia. **Osteoporos Int**. 2022 Sep;33(9):1909-1923.
- Voravuth N, Chua EW, Tuan Mahmood TM, Lim MC, Wan Puteh SE, Safii NS, Wong JE, Jamil AT, Jamal JA, Shamsuddin AF, Mhd Ali A. Engaging Community Pharmacists To Eliminate Inadvertent Doping In Sports: A Study Of Their Knowledge On Doping. **PLoS One**. 2022;17:e0279334.
- Khaw SM, Li SC, Mohd Tahir NA. A systematic review of the cost-effectiveness
- of medication adherence-enhancing intervention for asthma. **J Asthma**. 2022 Apr;59(4):697-711.

Cardiovascular Pharmacotherapy

- Ismail F, Farhana Fakhira M, Md Redzuan A, Adyani C, Chong WW. Role Of Community Pharmacist In Cardiovascular Diseases-Related Health Promotion And Dyslipidemia Management In Malaysia: A Cross-Sectional Study. **Medicine and Health**. 2023. 15.
- Redzuan AM, Hui LY, Saffian SM, Islahudin FH, Bakry MM, Aziz SAA. Features of digoxin toxicity in atrial fibrillation and congestive heart failure patients: A systematic review. **Archives of Pharmacy Practice**. 2023. 14(1):50-55.
- Ismail FFI, Redzuan AM, Chong WW, Nizaruddin MA. Role Of Community Pharmacists In Cardiovascular Diseases-Related Health Promotion And Dyslipidemia Management In Malaysia: A Nationwide Cross-Sectional Study. **PLoS One**. 2023. 1-15.

Antimicrobial Stewardship/ Infectious Disease

- Kong LS, Islahudin F, Koh KC, Muthupalaniappen L, Chong WW. Factors influencing doctors' decisions to prescribe antibiotics to inpatients in public hospitals: a qualitative study. **The Journal of Infection in Developing Countries**. 2025. 19(03);391-403.
- Dueñas E, Islahudin F. Antimicrobial Stewardship Program Implementation among Hospitals in Iloilo Province, Philippines—A Pilot Study. **Asian Journal of Pharmaceutical Research and Health Care**. 2024. 16(2), 160-171.
- Azemi NFN, Islahudin F, Khan RA, Saffian SM, Loon LC. Methylprednisolone use in hospitalised COVID-19 patients: a retrospective study. **Journal of Pharmaceutical Policy and Practice**. 2024. 17(1); 2337125.
- Oh AL, Makmor-Bakry M, Islahudin F, Ting CY, Chan SK, Tie ST. Tuberculosis treatment interruption: a qualitative exploration of barriers, challenges, coping strategies and facilitators in Malaysia. **Health Promotion International**. 2024. 39(6);daae176.
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- Oh AL, Makmor-Bakry M, Islahudin F, Ting CY, Chan SK, Tie ST. Adverse drug reactions of first-line antitubercular drugs: A retrospective study on characteristics, management, factors, and impacts. **Asian Pacific Journal of Tropical Medicine**. 2024. 17(10);456-464.
- Pa MFC, Koi NT, Misnan A, Islahudin FH, Makmor-Bakry M, Misnan NA. Drug-Related Problems in HIV Treatment Failure. **Cureus**. 2024.16(9).
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- Abdeltawwab Hussein AI, Hashim R, Zainal ZA, Ahmad Hisham S, Adnan S, Raghavan P, Abdul Aziz SA, Nordin N. Incidence of Metabolic Syndrome among Adults on First-Line Highly Active Antiretroviral Therapy Regimens in Malaysia. **Universal Journal of Public Health**. 2024. 12(2);332-340.
- Che Pa MF, Makmor-Bakry M, Islahudin F. Digital health in enhancing antiretroviral therapy adherence: a systematic review and meta-analysis. **AIDS Patient Care and STDs**. 2023. 37(11):507-516.
- Oh A L, Makmor-Bakry M, Islahudin F, Wong I C K. Prevalence and predictive factors of tuberculosis treatment interruption in the Asia region: a systematic review and meta-analysis. **BMJ Global Health**. 2023. 8(1):e010592.
- Lai WM, Islahudin FH, Khan RA, Chong WW. Pharmacists' perspectives of their roles in antimicrobial stewardship: A qualitative study among hospital pharmacists in Malaysia. **Antibiotics** 2022; 11:21
- Kong LS, Islahudin F, Muthupalaniappen L, Chong WW. Knowledge and expectations on antibiotic use among the general public in Malaysia: A nationwide cross-sectional survey. **Patient Preference and Adherence** 2021; 15:2405-2416

Nephrology

- Chan JYM, Islahudin F, Makmor-Bakry M, Tahir NAM, Tan CHH. Exploration of Oral Sodium Bicarbonate Acceptance and Adherence among Chronic Kidney Disease Patients with Metabolic Acidosis: A Multicentre Cross-Sectional Survey. **The Malaysian Journal of Medical Sciences**. 2025. 32(1); 88-98.
- Tay HY, Islahudin F, Siaw YY, Wong WC, Tahir NAM, Khan SSF. Drug-Related Problems Among Peritoneal Dialysis Patients: A 12-Year Retrospective Cohort Study. **Cureus**. 2024. 16(9).
- Choong CL, Islahudin F, Wong HS, Yahya R, Mohd Tahir NA, et al. The Impact of ABCC2 -24C>T Gene Polymorphism on Graft Survival in Kidney Transplant Recipients. **Journal of Personalized Medicine**. 2024; 14(4):440.
- Choong CL, Islahudin F, Makmor-Bakry M, Tahir NAM, Wong HS. Effect of CYP3A5* 3, ABCC2 C-24T, and ABCC2 C3972T genetic polymorphisms on direct cost of kidney transplant recipients. **Cureus**. 2024. 16(9).
- Nasiruddin AYA, Lee FY, Makmor-Bakry M, Islahudin F. Factors Affecting Antihypertensive Adverse Drug Reaction among Chronic Kidney Disease Patients. **Asian Journal of Pharmaceutical Research and Health Care**. 2023. 15(4):393-401.
- Lee FY, Islahudin F, Abdul Gafor AH, Wong HS, Bavanandan S, et al. Adverse Drug Reactions of Antihypertensives and CYP3A5*3 Polymorphism Among Chronic Kidney Disease Patients. **Frontiers in Pharmacology**. 2022. 13:848804.
- Islahudin F, Shahdan IA, Kua LM. Kidney donation: bridging the gap in the shortage of kidney transplants in Malaysia. **Journal of Health Research**. 2022. 36(2):354-364.
- Lee FY, Islahudin F, Makmor-Bakry M, Wong HS, Bavanandan S. Factors associated with the frequency of antihypertensive drug adjustments in chronic kidney disease patients: a multicentre, 2-year retrospective study. **International Journal of Clinical Pharmacy**. 2021. 43(5):1311-1321.

Personalized medicine

- Ng TW, Abu Hassan Shaari NA, Sadu Singh BK, Premakumar CM. Occurrence and predictors of refeeding syndrome in adult patients receiving parenteral nutrition at a Malaysian teaching hospital: A retrospective study. **Asia Pacific Journal of Clinical Nutrition**. Online version DOI: 10.6133/apjcn.202503/PP.0011
- A Zairol Azwan FA, Teo YY, Mohd Tahir NA, Saffian SM, Makmor-Bakry M, Mohamed Said MS. A systematic review of single nucleotide polymorphisms affecting allopurinol pharmacokinetics and serum uric acid level. **Pharmacogenomics**. 2024;25(10-11):479-494.
- Mohd Rozi NA, Mohd Tahir NA, Mohd Saffian S, Makmor-Bakry M, Mohamad Yusof A, Mustafar R, M Saud MN. Therapeutic drug monitoring-guided piperacillin dosing in critically ill patients undergoing continuous renal replacement therapy: a systematic review. **Journal of Antimicrobial Chemotherapy**. 2024 Dec 2;79(12):3078-3090.
- Lee JL, Shah NM, Makmor-Bakry M, Islahudin F, Alias H, Saffian SM. Population Pharmacokinetic Model of Intravenous Immunoglobulin in Patients Treated for Various Immune System Disorders. **Clinical Therapeutics**. 2024. 46(12); e25-e37.
- Choong CL, Islahudin F, Wong HS, Yahya R, Mohd Tahir NA, et al. The Impact of ABCC2 -24C>T Gene Polymorphism on Graft Survival in Kidney Transplant Recipients. **Journal of Personalized Medicine**. 2024; 14(4):440.
- Choong CL, Islahudin F, Makmor-Bakry M, Tahir NAM, Wong HS. Effect of CYP3A5* 3, ABCC2 C-24T, and ABCC2 C3972T genetic polymorphisms on direct cost of kidney transplant recipients. **Cureus**. 2024. 16(9).
- Shamugam S, Taridi NS, Adyani MR. Digoxin In Atrial Fibrillation: A Pharmacokinetic Perspective. **Journal Of Population Therapeutics And Clinical Pharmacology**. 2023:115-126
- Lee FY, Islahudin F, Abdul Gafor AH, Wong HS, Bavanandan S, et al. Adverse Drug Reactions of Antihypertensives and CYP3A5*3 Polymorphism Among Chronic Kidney Disease Patients. **Frontiers in Pharmacology**. 2022. 13:848804.
- Lee FY, Islahudin F, Ali Nasiruddin AY, Abdul Gafor AH, Wong HS, Bavanandan S, Mohd Saffian S, Md Redzuan A, Mohd Tahir NA & Makmor-Bakry M. Effects of CYP3A5 Polymorphism on Rapid Progression of Chronic Kidney Disease: A Prospective, Multicentre Study. **Journal of Personalized Medicine**. 2021, 11(4), 252.
- de Leon J, Schoretsanitis G, Mohd Saffian S et.al. An International Adult Guideline for Making Clozapine Titration Safer by Using Six Ancestry-Based Personalized Dosing Titrations, CRP, and Clozapine Levels. **Pharmacopsychiatry**. 2022 Mar;55(2):73-86

Pediatrics

- Henry Basil J, Premakumar CM, Mhd Ali A, Mohd Tahir NA, Seman Z, Voo JYH, Ishak S, Mohamed Shah N. Prevalence and factors associated with medication administration errors in the neonatal intensive care unit: A multicentre, nationwide direct observational study. **J Adv Nurs**. 2025; 81(2): 820-833.
- Henry Basil J, Lim WH, Syed Ahmad SM, Menon Premakumar C, Mohd Tahir NA, Mhd Ali A, Seman Z, Ishak S, Mohamed Shah N. Machine learning-based risk prediction model for medication administration errors in neonatal intensive care units: A prospective direct observational study. **Digit Health**. 2024 Oct 18;10:20552076241286434.
- Henry Basil J, Mohd Tahir NA, Menon Premakumar C, Mhd Ali A, Seman Z, Ishak S, See KC, Mohamed M, Lee KY, Ibrahim NA, Jegatheesan KV, Mohamed Shah N*. Clinical and economic impact of medication administration errors among neonates in neonatal intensive care units. **PLoS One**. 2024 Jul 11;19(7):e0305538.
- Muhammed Elamin S, Muhamad Arshad NF, Md Redzuan A, Abdul Aziz SA, Hong J, Chua XY, Bin-Abbas BS, Alsagheir A, Mohamed Shah N. Information needs on type 1 diabetes mellitus (T1DM) and its management in children and adolescents: a qualitative study. **BMJ Open**. 2024 Apr 2;14(4):e079606.
- Wong SW, Chew SP, Abdul Aziz SA, Mohamed Shah N. Exposure to potentially harmful excipients in medications among neonates at a state hospital in Malaysia. **Drug Dev Ind Pharm**. 2024 Mar 22;1-9. doi: 10.1080/03639045.2024.2327462. Epub ahead of print
- Basil JH, Premakumar CM, Ali AMA, Tahir NAM, Seman Z, Shah NM. Development and Validation of a Risk Prediction Model for Medication Administration Errors Among Neonates in the Neonatal Intensive Care Unit: A Study Protocol. **BMJ Paediatrics Open**. 2023;1-8.
- Elamin SM, Redzuan AM, Aziz SAA, Hamdan S, Masmuzidin MZ, Shah NM. Impacts of educational interventions on glycemic control in children and adolescents with type 1 diabetes mellitus. **Archives of Pharmacy Practice**. 2023;13-31.
- Basil JH, Premakumar CM, Ali AMA, Tahir NAM, Seman Z, Voo JYH, Shah NM. Nurses' Perception Of Medication Administration Errors And Factors Associated With Their Reporting In The Neonatal Intensive Care Unit. **International Journal For Quality In Health Care**. 2023. 1-7.
- Premakumar CM, Dwyer P, Herwitker S, Turner MA, Morgan C. Stability testing of modified amino acid solutions in neonatal parenteral nutrition formulations. **Asian Journal of Pharmaceutical Research and Health Care**. 2023; 15(3):227-235.
- Abdul Hadi NN, Premakumar CM, Shah NM. Malaysian Parental Attitudes toward Medicine Use in Children. **Medical Journal of Malaysia**. 2022; 77(1):26-32.

Oncology

- Yussof I, Mohamed Shah N, Ab Muin N. et al. Challenges in Obtaining and Seeking Information Among Breast Cancer Survivors in an Asian Country: a Qualitative Study. **J Canc Educ**. 2024 39, 383–390
- Badarudin NS, Shah NM, Ismail F, Islahudin F, Tahir NAM. Challenges in chemotherapy induced nausea and vomiting (CINV) management: A systematic review. **Tropical Journal of Pharmaceutical Research**. 2024. 23(3):653-668.
- Tan YQ, Loh CK, Mohd Saffian S, Makpol S. Improved HPLC method with automated pre-column sample derivatisation for serum pegylated L-asparaginase activity measurement in paediatric acute lymphoblastic leukaemia patients. **J Pharm Biomed Anal**. 2024. Sep 1;247:116243
- Wong SP, Tan SM, Danaee M, Muhamad K, Jamal M, Islahudin F, et al. Psychometric evaluation of Oral Mucositis Daily Questionnaire: A cross-cultural adaptation of the Malay version in multiethnic adult autologous stem cell transplant. **Asia-Pacific Journal of Oncology Nursing**. 2023. 10(2):100180.
- Yussof I, Ab Muin NF, Mohd M, Hatah E, Mohd Tahir NA, Mohamed Shah N. Breast cancer prevention and treatment misinformation on Twitter: An analysis of two languages. **Digit Health**. 2023. Oct 6;9:20552076231205742
- Satiamurthy R, Yaakob NS, Shah NM, Azmi N, Omar MS. Potential Roles of 5-HT3 Receptor Antagonists in Reducing Chemotherapy-induced Peripheral Neuropathy (CIPN). **Curr Mol Med**. 2023. 23(4):341-349.
- Zainal Abdiin MN, Omar MS, Islahudin F, Mohamed Shah N. The survival impact of palliative chemotherapy dose modifications on metastatic colon cancer. **BMC Cancer**. 2022. 22(1):731.
- Yussof I, Mohd Tahir NA, Hatah E, Mohamed Shah N. Factors influencing five-year adherence to adjuvant endocrine therapy in breast cancer patients: A systematic review. **Breast**. 2022 Jan 24;62:22-35.
- Badarudin NS, Mohamed Shah N, Mohd Kassim KNB, Ismail F, et al. A retrospective study on chemotherapy-induced nausea and vomiting in highly/moderately emetogenic chemotherapy: incidence and prescribing practice. **Supportive Care in Cancer**. 2022. 30(6):5339-5349.



CONTACT US

GEOGRAPHICAL LOCATION

The CQMM Faculty of Pharmacy is located at the heart of Kuala Lumpur, Malaysia. The nearest airport for Kuala Lumpur is Kuala Lumpur International Airport (KLIA & KLIA2). The KLIA Express or Transit trains will bring you directly from the airport to the city centre (KL Sentral Station) within 30-40 minutes. From this central station you can easily access other public transport systems (the LRT and monorel) to get to the campus (Station Chow Kit).

OUR ADDRESS

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<https://www.ukm.my/farmasi/cqmm/>

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