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EDITOR'S NOTE



EDITOR-IN-CHIEF

Dr. Nur Faizah Ali

GREETINGS AND WELCOME DEAR READERS!

As we close the chapters on another impactful year, we present to you the final edition of MED BULL' 2023. This issue represents our joint effort to promote learning, creativity, and togetherness in the medical field.

As the year draws to a close, we hold onto the hope that MED BULL' will continue to provide enriching reports and engaging stories for our readers in the years ahead. Your continued support through this 4th edition means the world to us, and we encourage you to prioritize your physical and mental well-being in the new year.

Until we reconvene for the next issue of MED BULL', let's continue this journey together, fostering resilience and kindness. Here's to a promising end to 2023 and the anticipation of the stories yet to be shared.



FACULTY ACTIVITIES





CHRYSALIS AWARD 2023

Afiqq Aiman Abd Ghapor
Doctor of Philosophy (Medicine)

On 27th October 2023, fellow PhD student Afiqq Aiman Abd Ghapor was amongst the top 15 finalists who took the stage in the Chrysalis Award 2023 Final Grand Pitch held in Nilai Springs Resort, Negeri Sembilan. Chrysalis Award highlighted the nation's potential Ph.D. candidates in delivering their research ideas to the industrial experts, which would enrich the 10-10 Malaysian Science, Technology, Innovation, and Economic (MySTIE) Framework. The program was hosted by the Young Scientist Network-Academy of Science (YSN-ASM), and the candidates were carefully shortlisted among the other 73 outstanding applicants nationwide.



All 15 candidates underwent intensive workshops starting in June, which nurtured them in becoming full-fledged researchers while preparing them for the final pitch. On 28th October, all candidates, as well as the other YSN members, attended a dialogue session with YB Tuan Chang Lih Kang, Minister of Ministry of Science, Technology, and Innovation (MOSTI), to further share their thoughts and ideas on the future of the nation's research environment. Afiqq added, "It was a once-in-a-lifetime experience to work with other Ph.D. students from other institutions, especially in proposing a potential research idea for enhancing the future of our nation's research environment."



1ST INTERNATIONAL ANATOMY CADAVERIC WORKSHOP: FROM KOREA TO SUNGAI BULOH

Dr. Choy Ker Woon & Dr. Nurul Raudzah Adib Ridzuan

Department of Anatomy

Annyeong-haseyo!!! It's not an anatomy term, but it means "Hello" in Korean.

The Department of Anatomy is excited to share our recent success of the "1st International Anatomy Cadaveric Workshop 2023" on 24th to 25th August 2023 at the Anatomy Dissection Hall of the Faculty of Medicine, UiTM.

International Anatomy Cadaveric Workshop is an educational program designed to provide hands-on training and knowledge acquisition in human anatomy within rehabilitation and fitness. This hands-on approach allows deeper comprehension of anatomical relationships, spatial orientation, and anatomical variations that textbooks or digital simulations cannot fully replicate. The hands-on nature of the cadaveric workshop bridges the gap between theoretical knowledge and clinical application.

Therefore, this workshop was participated by 16 Pilates instructors and Rehabilitation Practitioners who flew all the way from Korea to join the workshop. During the workshop, applied Anatomy in Pilates and rehabilitation were discussed by two lecturers-in-charged, Dr. Choy Ker Woon from UiTM and Dr. Grace Shin Ja Young from Korea, with the use of preserved human cadavers, plastinated models, torso, and diagrams.





This program was led by Dr. Choy Ker Woon in collaboration with the Academy of Chiropractic & Osteopathic Medicine (ACOM). It was facilitated by ten anatomy lab staff members led by Puan Syumaimah Muhamad Yunus, Dr.

Nurul Raudzah Adib Ridzuan, the Head of the Department of Anatomy, officiated the program.

We received positive feedback from the participants and our collaborator, ACOM. This workshop opens an opportunity for MOU between ACOM and the Faculty of Medicine, UiTM, which, in the future, we are hoping for more collaborative workshops from our international counterparts.

"Kamsahamnida" means 'thank you' to Anatomy colleagues, the Faculty of Medicine, and ACOM for their continuous support and success in this event.





EMPOWERING THE COMMUNITY: BASIC LIFE SUPPORT COMMUNITY PROGRAMME

Dr. Muhammad Nur Azmi Baharuddin
Department of Emergency Medicine

Community awareness is of great importance, especially for life-saving information and skills. The incidence of out-of-hospital cardiac arrest has shown a tremendous increase in number in recent years. Early identification of cardiac arrest and effective basic life support (BLS) is an essential determinant of the survival of cardiac arrest victims. Empowering the community on early BLS is a way forward to increase out-of-hospital victim survival. 'Program Komuniti BLS' is a brainchild of the Department of Emergency Medicine Faculty of Medicine Universiti Teknologi MARA (UiTM) and Hospital Al-Sultan Abdullah UiTM to raise public awareness among the community on the importance of BLS. It aims to empower the community on the importance of early identification of cardiac arrest, early cardiopulmonary resuscitation (CPR), and using an automated external defibrillator (AED).

On 29th October 2023, a BLS community programme was held in conjunction with the Annual Sport's Day of Sekolah Kebangsaan (1) Puncak Alam with the collaboration from Pejabat Kesihatan Daerah Kuala Selangor through Komuniti Sihat Pembina Negara (KOSPEN) Programme. The Sport's Day was officiated by YB Datuk Seri Dr. Dzulkefly Ahmad, Member of Parliament for Kuala Selangor, who kindly visited our booth and watched the demonstration.





The facilitators were from the Department of Emergency Medicine, consisting of emergency physicians, medical officers, medical assistants, and clinical assistants. The participants were students and staff from SK (1) Puncak Alam and the community of Puncak Alam, particularly parents of the school students.



Seven international elective students from Erasmus University, Netherlands, as part of the Minor Global Health Programme, and undergraduate students from the Faculty of Medicine UiTM were involved in the program as the facilitators. The students were very enthusiastic about educating the participants about the importance of BLS and teaching the community about performing high-quality CPR and

proper use of AED. Demonstration of CPR and choking was carried out throughout the programme.



As the curtains drew on this landmark collaborative event, we hope the participants left enriched and gained invaluable insights and lessons. We are optimistic about organizing this event in subsequent years, aiming to make it a continuous program that empowers the community to maintain the chain of survival in BLS.



EXPLORING COLLABORATIONS: UiTM'S ACADEMIC VISIT TO UNIVERSITAS ABDURRAB (UNIVRAB), PEKANBARU, INDONESIA

Dr. Amirah Abdul Rahman, Dr. Chua Yung An &
Dr. Wan Nor I'zzah Wan Mohamad Zain

Department of Biochemistry and Molecular Medicine

On 15th October 2023, three Senior Lecturers from the Department of Biochemistry and Molecular Medicine, Faculty of Medicine, UiTM, embarked on a fruitful academic trip to Universitas Abdurrahman (UNIVRAB) in Pekanbaru, Riau, Indonesia. The delegation also included four Year 2 MBBS students specifically chosen for their academic excellence for an Elective Project abroad, supported by UiTM funding.



Upon arrival, the lecturers - Dr. Wan Nor I'zzah Wan Mohamad Zain, Dr. Amirah Abdul Rahman, and Dr. Chua Yung An - and the students - Nurul 'Atikah Rozali, Nurzafirah Fairuz Zamer, Safia Zuhaira Zulhazmi, and Nuraneesa Aqilla Ahmad Radzuan - were warmly greeted by UNIVRAB representatives Mr. Wahyu Ramadhan and Miss Sabrina Hayati who are lecturers from the Department of Biochemistry, Fakultas Kedokteran, UNIVRAB, as well as UNIVRAB Rector Professor Dr. Susi Endrini.



The day began with a welcoming ceremony at Rumah Adat, Kampus II UNIVRAB. The ceremony featured introductory speeches from representatives of both universities, followed by a traditional Indonesian gurindam sung by a medical student from UNIVRAB. The ceremony continued as UiTM students presented an engaging montage video showcasing the Faculty of Medicine, UiTM. After the ceremony, all delegates were escorted to a nearby hotel by UNIVRAB transports.



On 16th October, the academic engagement unfolded with Dr. Amirah Abdul Rahman delivering a guest lecture on "Introduction to Biology and Molecular Medicine" to Medical Laboratory Technology students. Simultaneously, Dr. Chua Yung An presented "Introduction to Biochemistry" to Midwifery students, moderated by Ibu Hotmauli, Head of the Midwifery Programme. Afterward, everyone gathered in Rumah Adat for Dr. Wan Nor I'zzah's Public Lecture on "Demystifying Lapatinib-Induced Diarrhoea in Breast Cancer Care," which was attended by UNVRAB medical students from Years 1 to 3.



The day concluded with a round-table partnership discussion, during which UiTM and UNIVRAB explored potential collaborations. This included the co-organisation of Biochemie Carnivale 2024 at UiTM, with participation from UNIVRAB. The discourse also outlined possibilities such as allowing UNIVRAB medical students to conduct elective programs at UiTM, facilitating UNIVRAB lecturer visits to UiTM, fostering research collaboration, and considering the supervision of UNIVRAB postgraduate students at UiTM.

The journey continued with an interstate trip to Universitas Fort De Kock in Bukit Tinggi, Sumatera Barat, accompanied by Prof. Susi Endrini, Miss Isna Wardaniati, Vice Rector 1 (Academic), and Mr. Wahyu Ramadhan. The delegates were warmly welcomed at Universitas Fort De Kock and were taken directly to the meeting room to discuss collaborative initiatives. Fruitful conversations ensued regarding future projects. The day concluded with a stroll through downtown Bukit Tinggi, exploring the iconic Jam Gadang.

Meanwhile, the UiTM elective students had a full schedule ahead of them. For instance, they had the opportunity to visit Rumah Sakit Dumai, attend lectures, and experience problem-based learning as part of the activities during their 3-day elective project attachment.

The academic journey concluded on 19th October, with the delegates returning to Malaysia, fostering stronger ties with UNIVRAB and exploring promising avenues for future academic collaborations. This visit further strengthened the already positive relationship between UiTM and UNIVRAB, as evidenced by the successful co-organisation of Biochemie Carnivale in 2022, laying a solid foundation for continued collaboration and future joint endeavors.



BLOOD DONATION IS A LIFESAVER: A GIFT STRAIGHT FROM YOUR HEART

Dr. Nurul Sazmi Rosani & Hazman Hakim Abdul Halim
Department of Anatomy



Blood Donation Program was held successfully on 23rd Feb 2023 (Monday) from 10 am to 4 pm at the lobby of the Faculty of Medicine, UiTM Sungai Buloh. This program collaborates with Pusat Darah Negara (PDN), Kementerian Kesihatan Malaysia. This program aimed to educate the students, staff, and visitors of UiTM Campus Sungai Buloh about the importance of blood donation. Later, they were encouraged to donate their blood during this program.

This program was led by Dr. Nurul Sazmi Rosani and facilitated by eight (8) Year 2 medical students. The team from PDN has 22 people, consisting of doctors, assistant medical officers, and nurses. Dr. Mahfuzah Awal led the PDN team and was assisted by Dr. Nur Ellyana Kamaron Muhsin. In total, 31 people were involved in this program.

The PDN is the main blood donation center in Malaysia. It actively runs a mobile team for blood donation programs to meet the demand for blood in Malaysia, especially in the Klang Valley area. The blood is used to save patients with anemia, blood loss, and coagulopathy. A pint of blood can save three lives. Hence, this blood donation program is an initiative as a part of a blood donation campaign to promote the students and staff to save patients' lives by donating their blood.

There were two (2) sections: the poster exhibition and the blood donation area. These posters demonstrated information about blood donation and blood components. The participants were allowed to answer the quiz to challenge their understanding. The poster exhibition aims to increase participants' knowledge about blood donation and its components.



Blood donation started with registration, health screening, counseling, donation area, and refreshment. There were 192 participants registered. This program received the highest participation from students, especially Medical and Dental students, followed by the staff and visitors. However, 103 were eligible for blood donation. Eighty-nine participants differed in blood donation to ensure donors.



The blood groups collected during this program were O, B, and A. Although 32 participants with AB blood groups registered, all of them were deferred because PDN had enough stock of AB blood. In this program, we were honored to collect 40,150 ml of blood, which saved 247 lives. All the donors were discharged well without any complications.



At the end of the program, the closing ceremony was officiated by Associate Professor Dr. Hazlyna Baharudin, the Deputy Dean (Academic) of the Faculty of Medicine, who delivered a token of appreciation to the PDN. Later, prizes are presented to the quiz winners and donors with the highest number of blood donations. All the participants gave good feedback about this program.





We want to express our sincere gratitude to all donors from various backgrounds who, with full hearts, donated their blood to this program. The Year 2 medical students and staff from the Faculty of Medicine were working together to ensure this program ran successfully. Pusat Darah Negara for collaboration, expertise, and support. This collaboration between PDN and UiTM Campus Sungai Buloh, Selangor, had a positive output. Posters on blood donation and blood components and a video on blood donation flow (link: <https://www.youtube.com/watch?v=5mrTrxlvSQA>) were created and reconstructed by the Year 2 medical students shared with PDN, hoping it will encourage and motivate the community to continue to donate their blood.



PINK OCTOBER 2023 CELEBRATION IN HOSPITAL AL-SULTAN ABDULLAH

Dr. Nor Faezan Abdul Rashid, Dr. Muhammad Safwan Abdullah, Dr. Nora Julianna Osman, Dr. Suraya Othman, Assoc. Prof. Dr. Marlina Tanty Ramli Hamid & Dr. Harissa Husainy Hasbullah
Department of Surgery, Radiology and Oncology



On 4th October 2023, the Department of Surgery, in collaboration with the Department of Radiology and Oncology Unit had organized our yearly Pink October event in Hospital Al-Sultan Abdullah (HASA). The event was officiated by the hospital director, Prof. Dr. Sazzli Shahlan Kasim. The main purpose of the Pink October campaign was to create awareness on Breast Cancer, as October is a dedicated month for breast cancer awareness worldwide.

The event started with a welcoming speech by our Head of Department, Dr. Nora Julianna Osman, followed by the Hospital Director's officiation ceremony. The event was made lively with a performance by two groups of nurses from HASA singing in a choir and an aero dance. Subsequently, the event continued with an awareness talk by four speakers, namely Dr. Suraya Othman, Associate Prof. Dr. Marlina Tanty Ramli Hamid, Dr. Devanathan Ilenghoven, and Dr. Harissa Husainy Hasbullah.



For this year, we decided not just to create awareness of breast cancer but also to touch on breast reconstruction from an Islamic perspective, the imaging strategies in patients with breast implants, options for breast reconstructions in breast cancer, as well as the oncology treatment in someone with implants. The session was followed by a questions and answers session, and we were fortunate enough to have one of the breast cancer survivors share their journey after being diagnosed with breast cancer.



One of breast cancer survivors

Apart from the awareness talk, we also have educational booths and clinic sessions for the participants to have clinical breast examinations. Our events will only be a success with the help and participation of all the team members from the Department of Surgery, including the medical officers, nurses from the surgical clinic and surgical ward, and our third-year medical students in surgery rotation.



With third-year medical students actively involved in the event

HASA FIRST LAPAROSCOPIC SENTINEL LYMPH NODE MAPPING WITH INDOCYANINE GREEN TRACER FOR EARLY-STAGE ENDOMETRIAL CANCER

Dr. Noor Azura Noor Mohamad

Department of Obstetric & Gynaecology

Introduction

Laparoscopic surgery for gynaecological malignancy offers the advantages of reduced post-operative pain, and decreased risk of incisional hernia as well as adhesion-related complications, to name a few. Patients may also avail of faster adjuvant treatment as swift recovery is achieved in laparoscopic surgery compared to laparotomy.

Sentinel lymph node mapping (SLNM) is an acceptable alternative to systematic pelvic lymphadenectomy in the surgical management of early-stage endometrial cancer as it reduces the risk of lower limb lymphedema. On 7th November 2023, gynaecologic oncology unit of Hospital al-Sultan Abdullah (HASA) marked a new milestone by performing its first laparoscopic SLNM using indocyanine green (ICG).

Team members

The team members participating in the surgery were Dr. Noor Azura Noor Mohamad (first on left), Dr. Zatul Akmar Ahmad (not in the picture), Dr. Nur Faezza Mohd Mohtar (first on right), Dr. Nurulhuda Ahmad Sani (second on right), and invited consultant gynaecologic oncologist from Institut Kanser Negara, Dr. Jamil Omar (second from left) as shown in the picture.



Preoperative preparation

The patient was a 41-year-old lady with newly diagnosed endometrial cancer and concurrent triple-negative breast cancer. She was counseled to undergo laparoscopic SLNM, total hysterectomy, and bilateral salpingo-oophorectomy (THBSO) before embarking on neoadjuvant chemotherapy for breast cancer. ICG tracer of 2.5mg/mL was prepared by mixing 25mg of tracer dye with 10 ml sterile water within 3 hours before operation.

Intraoperative procedure

The patient was put in Lloyd Davis lithotomy position once under general anaesthesia, followed by draping, and insertion of laparoscopic trocar and camera. We utilized the state-of-the-art Karl Storz Rubina 4K Camera System with ICG fluorescence imaging guided by Miss Nicole Yeoh, the representative officer from UMMI Surgical. The ICG solution of 0.5ml was injected into the cervical stroma at 10mm depth, followed by another 0.5ml at 1-2mm depth at 3 and 9 o'clock. Uterine manipulator J-Singh was utilized to manipulate the uterus for the SLNM and THBSO. Below shows the operating room setup during the laparoscopic procedure.



Pelvic retroperitoneal space was entered with near-infrared (NIR)/ICG visualization mode turned on to avoid disrupting the lymphatic channels. Lymphatic channels from the cervix were then followed through to identify the sentinel lymph node. The pictures showed successful mapping of the pelvic sentinel lymph node at right and left hemi-pelvis. Sentinel lymph nodes were then sent for histopathologic assessment together with the uterus, cervix, bilateral ovaries, and bilateral fallopian tubes, which were subsequently resected after SLNM.

Technical challenge

The length of the surgical procedure was extended due to the presence of intra-abdominal adhesion at the anterior abdominal wall, as well as dense adhesion between the bladder and lower uterus, as the patient had three previous lower-segment cesarean sections. Despite that, there was no intention to convert to laparotomy as adhesiolysis was better performed laparoscopically, given excellent visualization of pelvic organs. The procedure was completed with no allergic reaction towards ICG and no injury to the blood vessels, obturator nerve, or bladder. The patient was discharged well on day-2 post-surgery.

Conclusion

The first laparoscopic SLNM with ICG for early-stage endometrial cancer was a successful event for the HASA gynaecologic oncology unit. The accomplishment lies in the good collaboration between gynaecologic oncologists, skilful gynaecologists in performing advanced laparoscopic procedure, excellent teamwork within operating theatre team, and the availability of advanced laparoscopic instruments in HASA. We hope to expand this surgical option to other suitable patients soon to keep abreast with contemporary medicine.



1ST UiTM BASIC ORL UPDATES & INTRODUCTION TO ORL SERVICES

**Dr. Norazila Abdul Rahim, Dr. Syarifah Nafisah Syed Hamzah,
Dr. Muhammad Ariff Sobani, & Dr. Noor Shahira Mohamad Fuzi**
Department of Otorhinolaryngology, Head & Neck Surgery

On the 2nd November 2023, the Department of Otorhinolaryngology-Head & Neck Surgery (ORL-HNS) organized the 1st UiTM Basic ORL Updates & Introduction to ORL Services course.

This course was conducted at Hospital Al-Sultan Abdullah (HASA) UiTM Puncak Alam and was officiated by our honorable Dean of Faculty of Medicine, Associate Professor Dr. Fazah Akhtar Hanapiah. Eighty-nine participants attended, including specialists, medical officers, staff nurses, paramedics, and other allied health professionals from the private and government sectors.

The main objectives of the course are to provide updates on the latest developments in managing Ear, Nose, Throat, and Neck related conditions, to offer practical hands-on session training related to vestibular diseases, and to introduce ORL clinical services provided by the Department of ORL-HNS at HASA UiTM such as subspecialties in Laryngology, Vestibular disorder, and Snoring related sleep apnea problems.



The event was preceded by two outstanding medical officers, Dr. Islam & Dr. Shahira Fuzi, and then it commenced with a prayer recitation by Ustaz Dr. Raziin. Our Head of Department, Prof Masaany Mansor, initiated a series of lectures with a talk regarding Laryngopharyngeal Reflux Management and updates. Basic assessments & management in all subspecialties in ORL-HNS, including Otology, Rhinology, Head and Neck, Larynx, and Vestibular, are covered in these lectures by our dedicated ORL-HNS specialists and lecturers.



Lectures were interlaced with two sessions of the KAHOOT Quiz, with interesting prizes won by the top 3 participants. Our co-sponsor company, GSK Pharmaceutical, gave the Lunch Talk Symposium, introducing the intranasal spray Avamys, used to treat Allergic Rhinitis.

Booths were set up outside the lecture hall with companies such as GS Med, JetPharma, ERIKG, 20dB Hearing, and Hyphens Pharma introducing their ORL-related medical products.

In the evening, our program continues with the 'hands-on' practical session of the Vestibular diagnostic and therapeutic maneuvers lesson. This session was conducted by our fellow ORL-HNS specialists, led by Dr. Intan Kartika Kamarudin. During this session, participants had an opportunity to watch and learn how the maneuvers were being done, hence practicing it upon each other to sharpen their skills. Through this, participants also had the opportunity to express any Otorhinolaryngology-related questions to the specialist available.

Pre- and post-tests showed remarkable improvement in the participants' knowledge of the lectures and practical lessons given. Much positive feedback was given to show participants' satisfaction with the program, how it is being carried out, and the contents and presentations of the lectures and practical sessions.

In conclusion, this outstanding program truly improved the knowledge of frontline doctors and allied healthcare workers in the basic management of Otorhinolaryngology. The program also taught them to detect red flags in Otorhinolaryngology, which warrants a specialist's referral. The ORL-HNS Department hopes that more similar programs can be carried out to spread knowledge and updates regarding Otorhinolaryngology in the future.



MELIVC 2023: MEDICAL ETHICS & LAW INTERVARSITY COMPETITION

Dr. Hazdalila Yais Haji Razali

Department of Medical Ethics and Law

The Department of Medical Ethics and Law at UiTM is delighted to present the first-ever Medical Ethics and Law Intervarsity Competition, a groundbreaking event in Malaysia. This competition unfolded as a post-conference event following the UICCE on the 6th and 7th September and took place on the 8th September 2023. MELIVC 2023 was developed to foster awareness and promote a profound understanding of Medical Ethics and Law among medical students. Invitations were extended to both private and public universities offering medical programs across Malaysia. Ultimately, we received responses from five universities, including UiTM, Universiti Kebangsaan Malaysia (UKM), Universiti Malaya (UM), Universiti Sains Islam Malaysia (USIM), and the Royal College of Surgeons in Ireland and University College Dublin Malaysia Campus (RUMC).

Seven groups participated, with UiTM and UKM sending two groups comprising medical students from various academic years. Beyond its educational objectives, MELIVC also aimed to serve as a platform for participants to foster connections, exchange knowledge, and gain insights into their respective syllabi, particularly in the domain of medical ethics and law. An overarching goal was to kindle a keen interest among medical students, encouraging their active engagement in the dynamic sphere of clinical ethics. By involving medical students, we aspire to cultivate a culture of heightened awareness and appreciation for ethical medical practices, thereby contributing to our nation's ongoing evolution of healthcare.

The competition unfolded in three rounds. The initial round tasked students with answering 30 multiple-choice questions in a timed period of 45 minutes. Each student responded individually, with the group's collective performance determining their ranking. Out of seven groups, the first-ranked group earned a coveted bye, granting them direct passage to the final round. The second round witnessed pairs of groups competing head-to-head, responding to objective questions posed by the quiz master.

The quiz master directed questions to the first group, and if they answered correctly, they earned marks. In the event of an incorrect response, the opposing team could respond. If they also faltered, the quiz master would provide the correct answer. In the suspenseful final round, the three winning groups, including those that had secured a bye, engaged in a spirited table quiz format. The quiz master read out questions, and participants raced to press a buzzer, earning the right to answer. Incorrect responses resulted in deductions, while correct answers garnered points. Should a participant's first attempt prove incorrect, the remaining teams were granted a chance to respond without penalty. If the response remained erroneous, the quiz master would reveal the correct answer.

Ultimately, UiTM's second team emerged as the victors, with both UKM teams securing the second and third positions. Feedback from participants was overwhelmingly positive, with many expressing gratitude for the opportunity and a keen desire to participate in similar events in the future. Notably, participants of MELIVC were invited to join the UICCE, an opportunity they deemed highly beneficial.

As we draw the curtains on MELIVC 2023, we believe it has admirably achieved its objectives. We extend our heartfelt appreciation to all participants, dedicated volunteers, and the organizing committee for their invaluable contributions to the success of this event. We also extend our gratitude to the Deputy Dean of Academics, Assoc. Prof. Dr. Hazlyna Baharuddin, the Deputy Dean of Student Affairs, Prof. Dr. Ahmad Nazrun Bin Shuid, and the Dean, Assoc. Prof. Dr. Fazah Akhtar Hanapiah, for their roles in making this event a reality.



CELL CULTURE AND FLUORESCENCE IMAGING WORKSHOP 2023

Dr. Wan Nor I'zzah Wan Mohamad Zain & Norita Salim
Institute of Medical Molecular Biotechnology

The Institute of Medical Molecular Biotechnology (IMMB), Faculty of Medicine UiTM, Sungai Buloh Campus organized a hands-on workshop on Cell Culture and Fluorescence Imaging from 12th to 15th September 2023 in IMMB. The workshop was chaired by Dr. Wan Nor I'zzah Wan Mohamad Zain from the Department of Biochemistry and Molecular Medicine, Faculty of Medicine UiTM. The primary objectives of the workshop were to provide participants with a robust comprehension of fundamental cell culture techniques and cell staining, achieved through a combination of theoretical knowledge and practical laboratory exercises. Additionally, the workshop aimed to deepen participants' understanding of the applications and relevant topics within the field of cell culture. The event also served as a valuable platform to showcase the excellent cell culture

facilities available at IMMB.



Twenty-one participants, including faculty members, research scholars, and postgraduate students from esteemed universities such as Universiti Sains Malaysia, Management & Science University, University College of MAIWP International, University Malaya, UCSI, as well as representatives from the government agency Veterinary Research Institute in Ipoh, Perak, attended the workshop. The diversity of the attendees enriched the workshop's knowledge-sharing and networking opportunities.

The workshop included theoretical and practical sessions featuring experienced lecturers in the respective fields. The theoretical sessions were delivered by Assoc. Prof. Dr. Mudiana Muhamad, Assoc. Prof. Dr. Sharaniza Ab. Rahim, Assoc. Prof. Dr. Mohammad Johari, Assoc. Prof. Dr. Suhaila Abd Muid, and Dr. Wan Nor Izzah Wan Mohamad Zain. These sessions comprehensively covered topics ranging from the foundational principles of basic cell culture techniques to advanced fluorescence microscopy.



In addition to these sessions with academicians and researchers, two industry experts, Dr. Loo Zhang Xin, an Application Specialist from Bio-diagnostics Sdn. Bhd, and Mr. Muhammad Zul'atfi bin Rahmat, an Application Specialist from Biomed Global, delivered insightful talks. Their presentations not only enhanced the participants' knowledge but also offered valuable guidance on selecting the most appropriate techniques for their specific research interests. These sessions also provided ample networking opportunities.



A highlight of the workshop was the hands-on laboratory sessions. Participants were divided into small groups of 4 to 5, fostering an interactive and conducive learning environment. The practical sessions encompassed crucial skills, including aseptic technique, the cultivation of adherent cells, cryopreservation, cryo-thawing cells, subculturing cells, cell counting using a trypan-blue hemocytometer, and conducting proliferation assays with an MTS kit. The MTS assay has become indispensable for most of the application areas of cell culture, including drug development and cytotoxicity testing.



During the fluorescence imaging hands-on session, participants could examine beautifully stained slides with fluorescent markers using a confocal laser scanning microscope and a cell

imager. Each group received guidance from a postgraduate PhD student in the Faculty of Medicine UiTM, who acted as a facilitator. These practical sessions encouraged discussions on facility requirements, safety measures, and critical considerations for working within a cell culture laboratory.

The successful and enjoyable 4-day Cell Culture and Fluorescence Imaging Workshop ended with problem-solving after practical sessions and formal and informal discussions throughout the workshop, which identified the challenges in research involving cell culture and fluorescence imaging. This allowed participants to translate the techniques into applications in their laboratories, advancing their research endeavors. The workshop not only fulfilled its educational objectives but also fostered a collaborative and enjoyable atmosphere among the participants and organizer.





EMBRACING RESILIENCE: WORLD STROKE DAY 2023 - FOSTERING AWARENESS AND COMMUNITY SOLIDARITY

Dr. Muhamad Faizal Zainudin, Dr. Muhammad Mahdi Abdul Razak,
Dr. Muhamad Rahimi Mohd Rusli & Dr. Nor Faridah Ahmad Roslan
Department of Rehabilitation Medicine



Stroke remains a predominant health concern in Malaysia, ranking as the third highest cause of mortality. Despite its prevalence, public awareness is disconcertingly minimal. The Neuromedical Rehabilitation Clinic under the Department of Rehabilitation Medicine has seen a surge in stroke rehabilitation referrals, recording the highest case frequency per clinic visit among all rehabilitation subspecialties.

Raising Stroke Awareness

To bolster stroke awareness and education from grassroots levels, the Department of Rehabilitation Medicine hosted a community program on November 2, 2023, coinciding with World Stroke Day, observed annually on October 29. The event unfolded at Dewan Komuniti Fasa 3, Bandar Puncak Alam, from 8.00 AM to 1.00 PM.





Collaborative Endeavour

This initiative was a collective endeavor involving departments such as Primary Care Medicine and Special Needs Dentistry from the Faculty of Dentistry and the Faculty of Health Sciences. The event saw over 25 stroke survivors and numerous community members who sought to enrich their understanding of stroke while availing of complimentary health and dental assessments.



Event Highlights

The day commenced with prayers, followed by an inaugural speech by Dr. Nor Faridah Ahmad Roslan, the Head of the Department. Subsequently, Dr. Mimi Nashra Mohd Noh captivated the audience with a discourse on preventing recurrent strokes, sparking a cascade of questions. Dr. Nur A'thirah Zulkifly then

addressed the oft-neglected subject of oral care post-stroke.

Two-stroke survivors shared their poignant narratives of resilience and recovery, resonating deeply with attendees. The audience, seldom given opportunities to narrate their experiences, responded with emotive agreement.

Interactive and Inclusive Activities

The event segued into lively interactive stroke games, including "Ping Pong Cup Toss," "Beanbag Cup Chaos," "Balloon Breakout Bonanza," and "Double Cup Ringmaster." The competitive spirit and exuberance were infectious, culminating in an eagerly anticipated prize-giving ceremony and a commemorative photography session.



Positive Reverberations

Heartening feedback underscored the program's impact, with attendees advocating for its continuity in subsequent years. The program, backed by stakeholders, NGOs, and sponsors, was deemed indispensable.

Concluding Thoughts

We aspire that this event transcends mere celebration, fostering enhanced stroke awareness among the community. We aim to nurture an informed populace, empowering them to combat stroke pre-emptively.

Happy World Stroke Day 2023.
Together, we are #GreaterThanStroke!





FIVE HEALTH CARNIVALS CONDUCTED IN CONJUNCTION WITH THE UiTM FACULTY OF MEDICINE HEALTH FEST 2023

Dr. Chen Xin Wee & Dr. Dalila Roslan
Department of Public Health Medicine

In conjunction with the UiTM Faculty of Medicine Health Fest 2023, the Department of Public Health Medicine has conducted five health carnivals. This program collaborated with the Hospital Al-Sultan Abdullah, Majlis Bandaraya Shah Alam, and Yayasan Rumpun Nurani, Indonesia. This program is part of the faculty's commitment to Service Learning Malaysia-University for Society or SULAM. The primary objective is to improve student learning by integrating theory and clinical knowledge with practice in the real world, increasing communication and professional skills in community engagement among students.

A total of UiTM 190 undergraduate fourth-year medical students and seven undergraduate third-year medical students from the Erasmus University Medical Centre Rotterdam have actively participated in organizing five health

carnivals with the following themes:-

- 'Bebas Plastik, Bebas Penyakit' held at Auditorium, Hospital Al-Sultan Abdullah, Puncak Alam on 12th October 2023.
- 'Kesehatan Warga Lansia: Jiwa Sehat, Lansia Bahagia' held online using Zoom Platform to engage with community health volunteers in Indonesia on 14th October 2023.
- 'Pemakanan Sihat: Untuk Anda dan Negara!' held at Surau Al-Ansor Seksyen, Shah Alam, Selangor on 14th October 2023
- 'Bebas Asap, Keluarga Sihat' held at Pangsapuri Sri Melewar, Jalan Juruwang U1/A, TTDI Jaya, Selangor on 15th October 2023
- 'Diabetes Dikuasai, Bebas Komplikasi' held at Dewan Kenanga, MBSA, Seksyen 28, Shah Alam, Selangor on 15th October 2023.

This program has benefited approximately 1000 publics, with each engaging around 150-200 participants. Health education booklets were developed and distributed to the communities to increase their health literacy. In each health carnival, activities were designed to be tailored to the needs of the selected community, which brings about the different themes for each carnival. The health carnivals were the pinnacle and the outcome of the health promotion project component of the four weeks of the year 4 Public Health Medicine posting.



Within the four weeks, students had the experience of meeting community leaders and the key person on the ground to understand their health concerns and needs. This process is essential in developing leadership skills and building self-confidence among the students, cultivating effective student-community engagement.



Apart from that, the continuous process of discussion and collaboration between the students and the community helps ensure that the activities planned for the community truly benefit the targeted population. Paying heed to the outcome of the health needs assessment was crucial in guiding the students to carry out the theme revolving around the prevention and management of identified health issues. Activities such as health forums with one of the panelists being an endocrinologist help elucidate the pathophysiology, progression, and complications of diabetes, whereas the public health medicine specialist shed light on the modifiable risk factors and healthy lifestyle preventive measures, and the nutritionist gave valuable input on the proper diet and eating habit. As for the younger generation, activities such as interactive games, exercise activities, and coloring contests were conducted to entice them to participate in the carnival and create awareness of healthy lifestyles from a young age.

The involvement of our students in community programs enables them to influence processes and decisions that affect them and may lead to changes in themselves and the environment, such as the community. Alhamdulillah, we believe that we have leveraged this Faculty of Medicines Health Fest 2023 to nurture our students to become the change agents to improve health and prevent diseases at the community level.



COMMUNITY HEALTH DAY IN KG. PANGKAL PETAI DALAM, MACHANG: ENHANCING HEALTH AND UNITY

**Dr. Umami Mohlisi Mohd Asmawi, Nur syazana Abd. Rahaman,
Nur Syahadah Syafiee, Fatimah Faiqah Mohd Isam &
Muhammad Azim Shariff**
Department of Pathology

On 14 th October 2023, the Community Health Day program unfolded in Kg. Pangkal Petai Dalam, Machang, Kelantan. The primary aim of this program was to cultivate leadership skills and communication proficiencies among students while concurrently bolstering health awareness and elevating the quality of life for the local community. This initiative was meticulously coordinated and executed by four second-year medical students as part of their elective program: Norsyazana, Nurshahadah, Fatimah Faiqah, and Muhammad Azim. They were under the guidance of their elective project advisor, Dr. Umami Mohlisi Binti Mohd Asmawi, from the Department of Pathology.



The realization of this event was made possible through robust support and collaboration with partner organizations, including the Village Development and Security Committee (KRT) of Kg. Pangkal Petai Dalam, the Village Library of Pangkal Petai Dalam, the National Population and Family Development Board (LPPKN) Kelantan, Batu 30 Health Clinic, Pusat Rawatan Al-Farhain, and the Malaysia Relief Agency (MRA) Kelantan.

Promotion of Health Awareness and Education

This program served as a platform for disseminating essential health information to the residents. Dr. Afif bin Mohd Ridzwan from the Pusat Rawatan Al-Farhain delivered an informative health lecture focusing on three diseases frequently observed within the community: Diabetes mellitus, hypertension, and heart disease. He imparted valuable guidance and advice on preventing and managing these health conditions.

Furthermore, Dr Alifah Binti Mohd Zizi from the Malaysia Relief Agency (MRA) Kelantan conducted an insightful lecture on cancer prevention, with a special emphasis on breast and cervical cancer. Dr. Alifah encouraged attendees to take advantage of free HPV DNA screenings and mammograms at the mobile LPPKN unit.

Comprehensive Health Screenings and Check-Ups

The Batu 30 Health Clinic, under the leadership of Dr. Mursyidah, offered comprehensive health check-ups, encompassing measurements of blood pressure, blood sugar, body mass index, and health counseling. The National Population and Family Development Board (LPPKN) further provided complimentary HPV DNA screenings and facilitated mammogram registrations. This initiative enabled the residents to access crucial health screenings directly.



Diverse and Engaging Activities

The Community Health Day has featured many activities that engaged the local community. Physical activities such as aerobic exercises, dodgeball, and soccer brought joy and fostered social interaction. A Nasheed performance by Quranic schoolchildren also added a cultural dimension to the event. Enjoyable activities for children and adolescents, like cupcake decorating and coloring, stimulate their creativity. A health quiz tested participants' knowledge of health-related topics.



Strong Support and Sponsorship

The program received sponsorship and support from various concerned entities. The Faculty of Medicine at UiTM Sungai Buluh, in support of their commitment to student and community engagement, played a vital role in making this program possible. Moreover, KRT Kg. Pangkal Petai Dalam, the Malaysia Relief Agency (MRA), Pusat Rawatan Al Farhain, and personal contributors contributed significantly, including an exciting lucky draw with enticing prizes.



Community Potluck Lunch

A distinctive aspect of this program was the community potluck lunch organized by KRT Kg. Pangkal Petai Dalam. This exemplified the spirit of community cooperation, where everyone shared and enjoyed a meal together.

The Community Health Day in Kg. Pangkal Petai Dalam, Machang, was triumphant and vibrant. This program is a remarkable example of how the synergy between health education and community engagement can improve health outcomes. It has elevated health awareness among the residents, fostering positive connections in an enjoyable atmosphere. Furthermore, it provided valuable experience to the students in community engagement and honed their communication and leadership skills. We hope these efforts will persist and inspire others to follow suit.



EMPOWERING PINK OCTOBER:

A TRIUMPH IN BREAST CANCER AWARENESS AT AEON RAWANG

Assoc. Prof. Dr. Marlina Tanty Ramli Hamid, Dr. Shamsiah Abdul Hamid, Assoc. Prof. Dr. Nazimah Ab Mumin, Dr. Nor Faezan Abdul Rashid, Dr. Harissa Hussainy Hasbullah & Nurzatul Azmira Arbain
Department of Radiology, Surgery and Oncology



In a dedicated effort to enhance breast cancer awareness and early detection, our recent Breast Cancer Awareness Campaign: Community Engagement Programme at AEON Mall, Rawang, emerged as a resounding success. Held on the 9th and 10th of October 2023, the event played a crucial role in our ongoing commitment to proactive healthcare, specifically focusing on women aged 40 and above in Rawang and its surrounding areas.

The primary objective of this community engagement programme was to instill awareness and encourage early detection through mammography screening at Hospital Al-Sultan Abdullah UiTM (HASA) during the pivotal month of October. Our overarching aim was to ensure breast cancer is detected early to receive the optimal treatment, thereby enhancing survivorship rates.

The event featured engaging activities at AEON Rawang, including insightful sessions with expert surgeons including Miss Faezan, Miss Suraya, Miss Nora, Mr. Izzat, and Mr. Safwan, radiologists including Assoc. Prof. Dr. Marlina, Dr. Shamsiah, and Assoc. Prof. Dr. Nazimah and oncologist Dr. Harissa, as well as invaluable support from Year-3 medical students, staff nurses, and radiographers from HASA. Educational booths offered

hands-on demonstrations of self-breast examinations, along with impactful videos covering information on breast cancer, mammograms, and survivor stories. Attendees had the opportunity to participate in breast cancer screening questionnaires, receive informative pamphlets, and register for mammograms at the HASA booth, complete with tempting lucky draws.

Post-event, we are thrilled to announce that 247 women registered for screenings at our hospital throughout October. This overwhelming response exemplifies the enduring impact of community engagement initiatives in promoting health awareness.

Initiatives like these are essential in our mission to disseminate awareness and encourage proactive healthcare in our community. The synergy with AEON Rawang and the unwavering dedication of our team, including Year-3 medical students, staff nurses, and radiographers from HASA, were instrumental in the success of this event. As we express gratitude to all contributors, we envision this programme as a stepping stone for future community engagement efforts, catalyzing a healthier, more informed society.



VIRTUAL COMMUNICATION SKILLS OSCE WORKSHOP FOR POSTGRADUATE FAMILY MEDICINE TRAINEES 2023

Dr. Haizlene Abd Halim
Department of Primary Care Medicine

The Department of Primary Care Medicine UiTM established its Master of Medicine (Family Medicine) postgraduate course in 2011 as a member of the Specialty Committee of Family Medicine Malaysia. These trainees go through a 4-year program and sit for three professional examinations in stages, including Objective Structured Clinical Examination (OSCE) and Long Objective Structured Clinical Examination (LOSCE). This year, the department has organized a "Virtual Communication Skills OSCE Workshop" catering to postgraduate Family Medicine trainees all around Malaysia, focusing on communication skills with patients, which is an essential clinical skill to master as a Family Medicine Specialist.

Objectives of the Workshop:

- Provides exposure to the trainees on OSCE exams
- Allows trainees to recognize skills that need improvement as preparation for exams
- Provides a platform for trainees to get feedback from experienced examiners and discuss their performance
- Income generation for the department

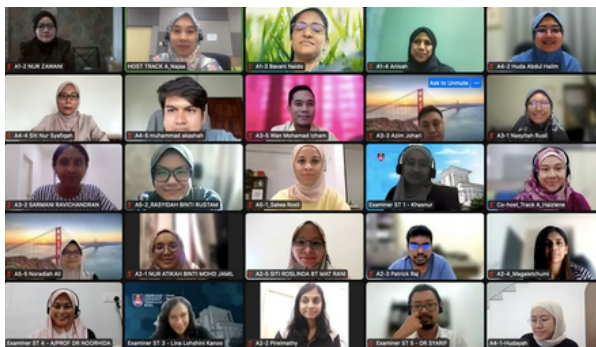
The Workshop

The workshop was held on the 23rd of September 2023 via Zoom online platform. A total of 50 participants from all around Malaysia, including Sabah and Sarawak par, participated in this workshop. The majority were postgraduate trainees from universities of the Specialty Committee of Family Medicine Malaysia, and there were also trainees from parallel postgraduate pathways such as the Malaysia-Ireland Training Programme for Family Medicine (MInTFM) and the Fellowship of the Royal Australian College of General Practitioners (FRACGP).



Examiners involved during the workshop

The workshop started with a welcoming speech by the Head of the Department, Assoc. Prof. Dr. Siti Fatimah binti Badlishah Sham. This was followed by a lecture on "Effective Communication Skills in Primary Care" by Dr Haizlene binti Abd Halim. The students then proceeded with the OSCE session, conducted by experienced examiners from the UiTM Primary Care Medicine Department. There was a total of 5 OSCE stations covering various clinical scenarios that require good communication skills. A professional primer acts as a patient in each station, and a designated participant will perform the OSCE while other group members observe. Following each 10-minute OSCE session, the examiner then provides personalized feedback to the participant and shares tips and wisdom with the participants.



Some of the participants

Feedback and Future Plans

The workshop received an overwhelming response; however, as we wanted to allow all participants to perform hands-on during the workshop, we could only accept 50 participants. The majority of the participants gave positive comments and requested that more similar workshops be conducted by the department on a regular basis. Based on the written feedback from all participants, 100% of them answered "very informative/informative" and "very useful/useful" for the lecture and, all OSCE stations feedback sessions and the overall running of the course. Due to the success of this workshop, the department plans to organize more workshops in the near future.



Left to right – Dr. Hayatul Najaa Miptah, Dr. Haizlene Abd Halim, Dr. Khairatul Nainey Kamaruddin, and Dr. Aiza Nur Izdiyar as event coordinators.



UICCE 2023: ADVANCING CLINICAL ETHICS IN MALAYSIAN HEALTHCARE

Dr. Hazdalila Yais Haji Razali

Department of Medical Ethics and Law

The Department of Medical Ethics and Law at UiTM is delighted to present the report on the inaugural UiTM International Conference on Clinical Ethics (UICCE) 2023.

The UICCE 2023 was designed with a range of key objectives in mind. Its primary aim was to introduce participants to the diverse spectrum of clinical ethical dilemmas encountered in various medical specialties while providing them with a solid foundational understanding of clinical ethical theories and their practical applications. Additionally, the conference served as a platform for in-depth discussions on the challenges faced by healthcare practitioners in Malaysia, taking into account the latest research findings. A pivotal objective was to ignite interest among medical students and conference participants, encouraging their active engagement and participation in the

dynamic field of clinical ethics. By engaging medical students, we hope to foster a culture of awareness and appreciation for sound medical practices, contributing to our nation's ongoing evolution of healthcare.

The keynote address, delivered by Prof. Dr. Julian Savulescu, focused on "The Evolution of Patient Autonomy in Clinical Practice." This was followed by a comprehensive examination of the "Timeline of Clinical Ethics," accompanied by an exploration of the technicalities and practicalities of the Clinical Ethics Committee and its relevance within the Malaysian context. A lunch talk, generously sponsored by the Medical Protection Society Ltd., centered on "Ethical Issues in Psychiatry."

The afternoon session of Day 1 brought a series of oral presentations covering a broad spectrum of clinical ethics, including ethics in public hospital consultations, challenges faced by parents, ethical considerations involving inmates, and regulatory ethics within private healthcare facilities and services. The day concluded with an exploration of ethics at the end of life, as we discussed "Common Ethical Dilemmas in Palliative Care," followed by a lecture on "Ethical Issues related to Advance Directives in Malaysia."

The second day ushered in insightful discussions, with A/Prof Dr Michael Dunn delivering a keynote lecture on "Utilizing Tools in Clinical Ethics." This was followed by valuable insights from senior clinicians who explored critical care ethics, addressing issues like resource allocation and triage in the ICU, as well as ethical considerations in the neonatal intensive care unit.

Two additional oral presentations delved into nursing ethics and the ethical challenges encountered during triage. The conference then focused on ethical issues in Obstetrics and Gynaecology care, delving into ethical issues associated with maternal-fetal medicine and conscientious objection in clinical practice. Following this was a lunch talk on case studies on Medicolegal and Ethical Perspectives of Care in the ITU, again generously sponsored by MPS.

We then had a lecture on Ethical Issues Related to Patients with HIV and a talk on Overcoming Ableism and Discrimination in Clinical Practice, which was certainly an eye-opener. The conference reached its zenith with a panel discussion where experts deliberated on "The Future of Clinical Ethics in Malaysia." This significant session underscored the importance of collaborative efforts and ethical considerations in the ever-evolving healthcare landscape.

As the UICCE 2023 comes to a close, we hope that it has successfully accomplished its mission of providing a valuable platform for addressing pressing ethical issues in Malaysian clinical practice. We anticipate that the UICCE has ignited interest, awareness, and appreciation for clinical ethics, ensuring that the next generation of physicians will carry the torch of ethical medical practices.

We extend our heartfelt gratitude to all participants, speakers, and sponsors for their invaluable contributions to the success of the UICCE 2023. With renewed enthusiasm, we eagerly anticipate the continued growth and development of clinical ethics in Malaysia.



ERASMUS MINOR GLOBAL HEALTH PROGRAM: INSIGHTS FROM THE NATIONAL STROKE ASSOCIATION OF MALAYSIA (NASAM) VISIT

Dr. Muhamad Faizal Zainudin, Dr. Muhammad Mahdi Abdul Razak, Dr. Muhamad Rahimi Mohd Rusli & Dr. Nor Faridah Ahmad Roslan
Department of Rehabilitation Medicine

Event Overview

On 1st November 2023, the Department of Rehabilitation Medicine at Hospital Al-Sultan Abdullah spearheaded an enlightening trip to NASAM under the Erasmus Minor Global Health Program. The excursion was tailored to offer the seven third-year medical students from Erasmus Medical School, Rotterdam, an immersive view of Malaysia's distinctive community rehabilitation programs. Accompanying these students were seven dedicated rehabilitation staff from the Hospital Al-Sultan Abdullah.



Spotlight on NASAM

NASAM's trailblazing success in pioneering a holistic community-centric rehabilitation framework for stroke survivors epitomizes Malaysia's unwavering dedication to the stroke community. This visit's essence was multifaceted:

- To allow students to delve into, understand, and laud NASAM's relentless services.
- To juxtapose Malaysia's innovative stroke rehabilitation approaches with those prevalent in the Netherlands.
- To enhance the knowledge horizon of our rehabilitation staff regarding community-centric versus hospital-centric rehabilitation.
- To mark World Stroke Day, which was celebrated on 29th October.

A Deep Dive Into The Program

Madam Nancy Yap, NASAM's Administrative and Event Executive, inaugurated the day with an insightful briefing. The itinerary kick-started with a spirited group therapy session, brimming with music-driven aerobic exercises, targeting highly functional stroke survivors. This segment transitioned seamlessly into therapeutic sessions designed for moderately dependent survivors. The attendees also gleaned invaluable insights from personalized therapy sessions tailored for those necessitating intense therapy or those hindered by physical and cognitive challenges.

The journey did not merely focus on the present; it also provided a panoramic view of NASAM's legacy since its inception in 1996. An interactive dialogue with Ms N. Nagasundari, a seasoned physiotherapist with 13 years under her NASAM tenure, further enriched the students' experience. Commemorative handouts and brochures were distributed as mementos, culminating in a memorable photo-op at NASAM's entrance.



In Retrospect

We fervently hope this expedition ingrains enduring insights into the young minds from Erasmus Medical School, enriching their comprehension of community rehabilitation in Malaysia. May NASAM's journey continue to inspire, adapt, and address the ever-evolving needs of Malaysia's stroke survivors.

Happy World Stroke Day 2023.
Together, we are #GreaterThanStroke!





HEALTHCARE ORIENTED BUSINESS MODEL CANVAS & INVESTOR PITCHING

A HANDS-ON WORKSHOP FOR MED216 ELECTIVE COURSE

Assoc. Prof. Dr. Khasnur Abd Malek
Department of Primary Care Medicine

Introduction

This workshop is part of the teaching & learning activity for the Health Professional Entrepreneurship Elective MED 216 (Part 2), where students received the training to build and validate their business model canvas (BMC) and learn to build their investor pitching deck.

The agenda of a Business Model Canvas (BMC) & Investor Pitching workshop serves as a roadmap for the session, guiding participants through a structured process to analyze and improve their business model canvas. An investor pitching deck, often referred to as a pitch deck, is a critical tool for entrepreneurs and start-up founders seeking financial support from potential investors, such as venture capitalists, angel investors, or venture capital firms. Students were taught to carefully craft a

visually engaging presentation that conveys their essence of a business opportunity compellingly and concisely.



A total of 14 year-three medical students and five lecturers from the Faculty of Medicine attended the workshop, which took place at Hospital Al-Sultan Abdullah, UiTM, on Saturday, 30th September 2023.

The Workshop

The BMC topic was revisited and delivered by Dr. Ruzi Hamimi Binti Razali, a senior lecturer and a specialist from the Pathology Department, Faculty of Medicine, UiTM. Afterward, participants were grouped and guided through a step-by-step process to create and analyze business models. They identified problems, defined customer segments, developed value propositions, and explored channels, revenue streams, and costs. Groups presented their BMCs, received feedback, and iterated for refinement. This interactive approach encouraged collaborative learning, practical application, and the development of well-structured business models in a concise and engaging format.

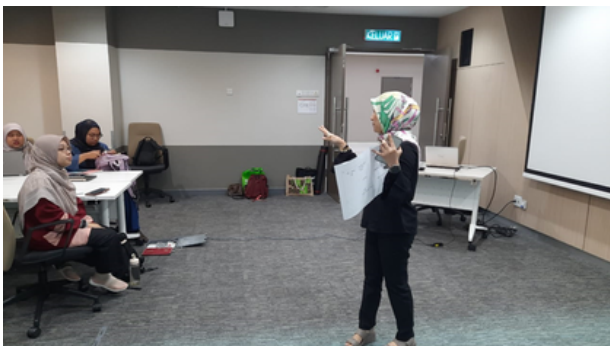


Figure 1: Dr. Ruzi Hamimi, revisiting BMC with the students



Figure 2: Dr. Aida on investor pitching

The investor pitching lecture and hands-on training were delivered by Ts. Dr. Aida Firdaus and Muhammad Nurul Azmi, a senior lecturer in the Faculty of Applied Sciences (FSG), UiTM. Investor pitching training involved hands-on deck development and group pitching. Participants learned to craft compelling pitch decks, focusing on problem-solution fit, market analysis, and financial projections. They then formed teams, pitched their start-up ideas to peers, and received constructive feedback. This immersive experience sharpened their presentation skills, refined their business narratives, and prepared them to engage with potential investors confidently.

In this healthcare-oriented BMC & investor pitching workshop, outcomes and findings revolved around aligning healthcare solutions with identified challenges. Participants specified value propositions for targeted patient demographics. Insights into revenue streams, cost structures, and vital healthcare resources were gained, fostering actionable strategies for innovative business models in dialysis, physiotherapy, and the low-carb sector within the healthcare industry.

We received recommendations from the participants to extend the workshop duration to allow for more in-depth learning and allocating dedicated time for each student to practice and refine their pitching skills through individual presentations, ensuring a comprehensive understanding and practical application of the material.

The majority of participants reported substantial improvements in their knowledge and skills related to BMC and pitching after completing the workshop, indicating its effectiveness in enhancing their proficiency. The feedback from the participant had been nothing but encouraging. The workshop imparted essential pitching skills, enhanced confidence, fostered higher-level thinking, and new knowledge acquisition, all focused on the art of investor pitching in healthcare.

In conclusion, the workshop cultivated confidence and stimulated advanced thinking within the area of BMC and healthcare investor pitching context. Extending the workshop duration and allowing students dedicated time for individual practice presentations will further enrich their learning experience and enable them to apply their newfound skills in real-world scenarios confidently.



Figure 3: BMC presentation (Dial Me Dialysis Centre)

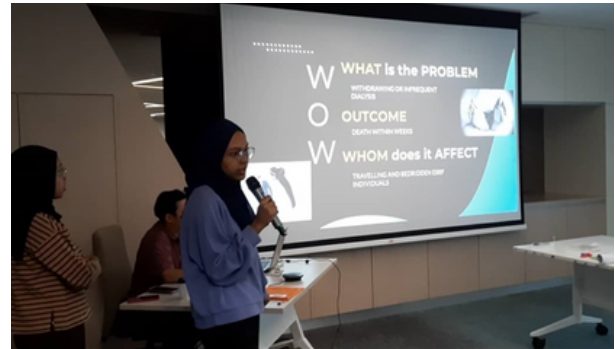


Figure 4: Dial Me Dialysis Centre team pitched their ideas



Figure 5: YouPunyaPhysio got to pitch first



Figure 6: Smart Carb in their pitching action

THANK
YOU