

eNEWSLETTER



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MACB eNewsletter

The MACB eNewsletter, an annual digital update on the Malaysian Association of Clinical Biochemists (MACB), prioritizes sustainability by going paperless. Published on our official website, it ensures easy access for members, aligning with global efforts to reduce environmental impact. Join us in advancing healthcare practices responsibly through the MACB eNewsletter's concise and eco-friendly updates.

Submit Your Article Today

Members are encouraged to submit articles to the Editor-in-chief, Roziela Abu Bakar, a Medical Lab Scientist. Your insights are vital. Share your expertise via email at zadrielz@yahoo.com or roziela@moh.gov.my, contributing to the richness of our collective knowledge.



A WORD FROM THE EDITOR

Dear colleagues,

I hope you have enjoyed your holidays. I imagined you at the seaside or under a tree in the countryside relaxing and resting as you deserved. Well, it is hard to believe that you are thinking of your emails but, let's hope, that if you do, you are running into this issue of the eNews.

I also hope that among your decisions for the New Year is that you will read a lot more, a lot more books in fact. Because this 2023 eNews issue is a book! I invite you to read it. First in the President's message, you will learn a lot about our ambitious and interesting plans.

And then if you go through the articles, as I did, you will learn so much about Quality Assurance project from one of our 2023 award winners. You will learn about our fellow scientist's role in National Heart Institute, evidence-based laboratory medicine as well and you will meet more wonderful scientific groups, MACB YSA winners.

There are and will be many more experiences and opportunities appearing before your eyes in 2024 and perhaps, you will make that dream of new future offered to you by MACB. come true.

As we begin the 2024 chapter, I hope that with this latest newsletter edition brings more countless beneficial knowledge, information and updates to all readers.



Until then, I look forward to have your share of opinion and contribution to our newsletter next year. Happy New Year!

ROZIELA ABU BAKAR
2023 MACB NEWSLETTER
EDITOR



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PRESIDENT'S MESSAGE

Dear friends and colleagues,

I am very pleased that this issue of the MACB newsletter 2024 is ready to be shared.

For the information of members, the MACB has had a busy year. We organised the first International Immunoassay conference, followed by a workshop on Calibration & Checking of Measuring Equipment.

This was followed by the Paediatric Symposium which was held in conjunction with the IFCC President's visit to Kuala Lumpur. In keeping with tradition, the MACB also organised its annual conference. After 3 years of virtual conferences, the conference in 2023 was held as a physical meeting at the Pullman Hotel Bangsar, Kuala Lumpur. The conference was a great success, and allowed members the opportunity to interact and to catch up with colleagues as well as to get information on the latest developments in the field of laboratory medicine. The MACB also provided opportunities to members to attend the IFCC- EFLM EuroMedLab Congress in Rome and the International Immunoassay Conference in Shenzhen. Full details of the activities of the MACB is reported in the annual report which is available on the MACB website and is briefly reported in this issue of the MACB newsletter.

I take this opportunity to thank the MACB council for all the hard work they have put in as well as to members who have contributed to organising the events in 2023. To all members, thank you for supporting the MACB events. As 2023 is not an election year, I hope that the current MACB council will continue their hard work in 2024. Many exciting events are currently being planned for 2024.



Dr. Raja Elina Raja Aziddin
President MACB

I encourage members to play an active role in the MACB and am pleased to report that more members have expressed their interest to be part of the MACB committees. I hope that the new appointments in 2024 will allow the MACB to play a more active role in training, education and research.

Before I end, I want to thank Puan Roziela who has been successful in producing the MACB newsletter with high quality and in a timely manner. I would like to take this opportunity to thank her and her team for their continuous commitment. I hope you will enjoy reading this issue of MACB newsletter 2023.

Lastly, I would like to wish a Happy New Year to all members. May 2024 be a great year for you and your families!
Best wishes and always.



CALIBRATION & CHECKING OF MEASURING EQUIPMENTS WORKSHOP

FACULTY OF HEALTH SCIENCES, UKM

The Malaysian Association of Clinical Biochemists organized a successful workshop on March 21-22, 2023, focusing on equipment calibration per MS ISO 15189:2014. With 80 participants, the event covered the proper techniques for calibration of essential tools like thermometers, timers, balances, pipettes, and pH meters, receiving positive feedback for its valuable insights.

2023 ACTIVITIES

Why is important to calibrate medical equipment? The primary significance of calibration is that it maintains accuracy, standardisation and repeatability in measurements, assuring reliable benchmarks and results. Without regular calibration, equipment can fall out of spec, provide inaccurate measurements and threaten quality, safety and equipment longevity.



There were attendees comprising of Medical Lab Technologists and Scientists, from both private and government laboratories. The response was so overwhelming that we plan to have a continuation of this workshop or a sequential one similar to it to cater to the demand. Good job, everyone!

The IFCC-EFLM WorldLab/EuroMedLab

ROMA 2023

MACB jointly with SNIBE announced on the website a travel grant open for application to all MACB members to attend the WorldLab/EuroMedLab Roma 2023, hosted by the 25th IFCC-EFLM Congress of Clinical Chemistry and Laboratory Medicine, together with the National Congress of the Italian Society of Clinical Chemistry and Laboratory Medicine that was held in Rome, from 21st to 25th May 2023.

Ten Malaysian delegates were carefully selected by a committee from represent various backgrounds from private and government labs to attend the conference.

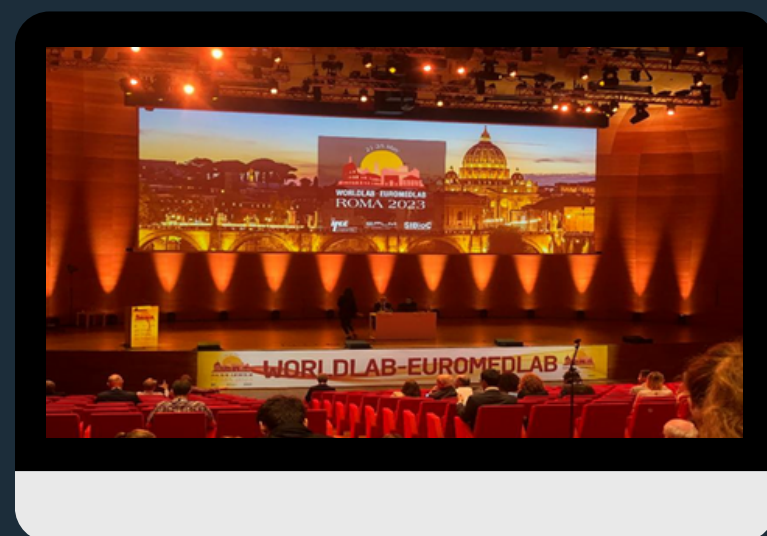
110 IVD Companies participated and gave life to a dynamic exhibition floor showcasing the recent novel technologies and practical solutions for Laboratory Medicine. Distinguished international speakers and key opinion leaders delivered their presentations about health care, recent diagnostic technologies, scientific advances, and challenges along 5 plenary lectures, 32 accredited symposia, 10 lunch workshops & 14 educational workshops.

An extraordinary number of posters (2140) were shown electronically throughout the whole conference.



MACB hopes more members will apply for the upcoming travel grants. Check on our website regularly for any exciting news!

Read further about how the delegates benefited from the travel grant.



Testimonials From Delegates



ROMA 2023

MR HAREEF MOHAMMED CEP, IHH HEALTHCARE

“This congress acts as the leading forum in the field of laboratory medicine and clinical chemistry. It brings together scientists, laboratory specialists, clinicians and industry colleagues to facilitate scientific exchange and advancements. Overall, the conference was well run and a record attendance was achieved.”

ROZIELA ABU BAKAR, MEDICAL LAB SCIENTIST, INSTITUTE FOR MEDICAL RESEARCH

“I gained valuable experience that can be implemented in IMR, learned new methods, particularly in quality control and lab management that may help cut our technical and operational costs significantly. The networking experience was, especially, very beneficial and advantageous. I had the opportunity to speak to several industry experts who provided tips and useful information for my particular unresolved issues and work projects.”

DR. HY TING CHEMICAL PATHOLOGIST, HOSPITAL UMUM SARAWAK

“I would like to express my heartfelt appreciation to MACB and SNIBE for granting me the opportunity to be a part of this unforgettable event, which served as an exceptional platform for learning, exchanging knowledge and fostering social networking.”



Testimonials From Delegates

MOHD FIRDAUS ABD AZIZ MEDICAL LAB SCIENTIST, INSTITUT KANSER NEGARA

“As a scientific officer working under the Institut Kanser Negara, this opportunity has undoubtedly broadened my horizons, enriched my understanding, and equipped me with valuable insights that will contribute to my work and the advancement of laboratory medicine in Malaysia.”

ROHAIYU ISMAIL, MEDICAL LAB SCIENTIST, HOSPITAL REHABILITASI, CHERAS

“Attending this international congress is a professionally enlightening and rewarding experience for me as a civil servant. In addition to socializing with counterparts from other institutions and a nice trip to such an attracting locale in spring, other advantages of attending this congress are obtaining a handful of information on important topics from inspiring world class speakers and to exchange ideas among other delegates. From the presentations by the scientists, I admire the effort and perseverance in reaching their ultimate passion in medical laboratory science”

DR NUR SHAFINI CHE RAHIM CHEMICAL PATHOLOGIST, HOSPITAL KUALA LUMPUR

“Attending international conference allow opportunity for education, networking and improvement in technology that will subsequently contribute to the organization. For myself, it was a very valuable and unforgettable experience for me”



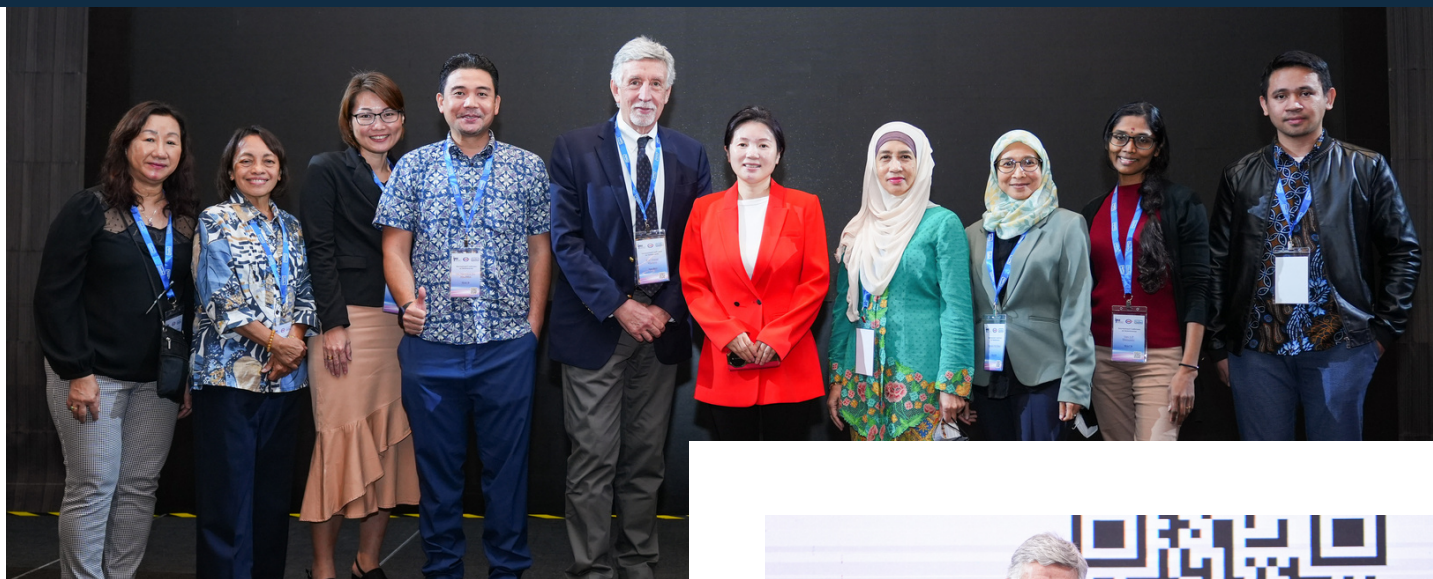
DR HAFIZAH ABDULLAH CHEMICAL PATHOLOGIST, HOSPITAL TUANKU AZIZAH

“The IFCC global NBS program initiative allows low-income countries to start their own NBS program, while TF-OSLM will allow scientists all around the world to conduct studies that provide evidence of the impact of testing on patient outcomes since the growth of laboratory medicine is reliant on its “value add” in the healthcare landscape. Overall, I gained so much valuable knowledge from this conference and this will help me in providing a better service and plan for the future direction of the laboratory services in my hospital”



INTERNATIONAL CONFERENCE IMMUNOASSAY

MARCH 2, 2023, ALOFT KL SENTRAL



SUCCESSFUL COLLABORATION

International Conference Immunoassay was successfully organized by the MACB, the International Federation of Clinical Chemistry and Laboratory Medicine (IFCC), and SNIBE was held on March 2, 2023 at Aloft KL Sentral, Bangsar. It was a closed event and attendees were those who were nominated by their organisation. Among the topics presented were "Thyroid Algorithms: Looking back at the basics" from Luella A. Vertucio and "The Laboratory Challenges: Variation in the Measurement of AMH" by Dr Trilis Yulianti from Indonesia.



INSIGHTS FROM SPEAKERS

Snibe also invited their guest speaker from Vietnam National Children's Hospital, Dr Tran Thi Chi Mai to talk on "Preliminary Evaluation of the Analytical and Clinical Performance of Plasma 17-OHP Assay on MAGLUMI 800 Chemiluminescence Immunoanalyser".



PAEDIATRIC SYMPOSIUM

"Metabolic Syndrome In Children: Current Scenario & Challenges"

March 27, 2023, Hospital Tuanku Azizah



It was interesting to look at how extensive the project was carried out, how the study was followed by intervention and presented with the outcome of the project. Prof Khosrow also gave a talk on "Pathophysiology of Paediatric: Obesity and Metabolic Syndrome".



After the symposium concluded, Prof. Khosrow made time to visit the HTA Pathology Laboratory guided by the Head of Department, Dr Mimi Azura.



MACB had the honour to have the attendance of President of IFCC, Prof. Adeli Khosrow at Hospital Tuanku Azizah for the Paediatric Symposium.



The event was gracefully officiated by the Director of HTA itself, Dr. Shamsul Anuar bin Kamaruddin. There were insightful topics discussed and presented on, from Professor Dr. Muhamad Yazid from UMMC, who is currently the President of the Asia Pacific Paediatric Endocrine Society (APPES). He talked about Obesity in Children: The Malaysian Scenario"



DISCUSSION ON TRAINING NEEDS FOR MEDICAL LABORATORY SCIENTISTS (MLS) IN MALAYSIA



UNIVERSITI KEBANGSAAN MALAYSIA

MARCH 27, 2023

Group photo with President of IFCC, President of MACB, academicians and medical lab scientists who attended the discussion in UKM.

MLS PATHWAYS: PROF. KHOSROW'S INSIGHTS

Before Prof. Khosrow left Malaysia, MACB also took the opportunity to have a short discussion on the career pathway of MLS in Malaysia, given his vast experience also as the founder of "The CALIPER initiative".

This took place in UKM and Hotel Impiana, where we also invited academicians from UKM and private labs to give their opinions and inputs on the future progress of MLS. It was a fruitful one, with more expansive and suggestive ideas, thanks to Prof. Khosrow and all those who attended that day.



MACB TRAVEL GRANT TO SNIBE IMMUNOASSAY CONFERENCE

Shenzhen China



AUG 24-26, 2023

SNIBE International Symposium on Laboratory Medicine was held in Shenzhen, China on August 27, 2023. Nine MACB active members from multi-disciplinary background were carefully selected by appointed committee and granted the travel grant to attend the Symposium. This is a prestigious conference organized by various institution in chemical pathology field including IFCC, EFLM, Colabiocli and Snibe

In addition, there were highly interesting topics, from tumour markers, serum biomarkers for liver fibrosis, sustainability and value-based laboratory Medicine, blood biomarkers for traumatic brain injury, and hepatocarcinoma, Environment, Social and Governance (ESG) in Medical Laboratory, EBV, Thyroglobulin in the Pre and Postoperative Patients with thyroid cancer, interferences in immunoassays, and highlights on the company's top-notch machine, MAGLUMI X series.

A noteworthy aspect of the Symposium was its extensive international participation, with representatives from 55 countries. The highlighted issues include sustainability and value-based medicine, as well as Environmental, Social, and Governance ESG for medical laboratories. One Malaysian delegate opinionated that ESG in clinical industry, PIVKA II, Protein S100B and a few other cancer markers that are not currently offered in public and hospital universities can be included in Malaysia's future agenda later.

The symposium also included a Snibe factory visit, to demonstrate how analysers were built up from a little compartment to a whole immunoassay analyzer. Snibe Diagnostics also manufactures its own QC materials and reagents for the comprehensive tests given by the Maqlumi analyzer.

TESTIMONIALS FROM DELEGATES

“The International Symposium on Immunoassay-Laboratory Medicine provided a comprehensive platform for the exchange of knowledge and insights in the field of laboratory medicine. Collaboration and knowledge-sharing among laboratories are essential for staying current in this rapidly evolving field “

– Ms. Hidayah Ismail, Hosp. Labuan

“The Snibe International Symposium on Laboratory Medicine held in Shenzhen, China on 27th August 2023 was very well organised. It was not only intellectually stimulating but very exciting for me to witness in person presentations by imminent speakers whose research I have only read on paper. Hence, to meet them personally was very gratifying and inspiring. Networking with international delegates and speakers promise collaboration and promote new ideas for further research. I would like to thank MACB and Snibe for awarding me the travel grant to attend this symposium.”

– Dr Subashini, Assoc. Prof., UPM

“It was indeed a once in a lifetime chance to attend the conference and given a chance to visit a very prestigious company and a leader to be in the laboratory medicine. Thank you MACB and SNIBE Diagnostics for the opportunity and the travel grant offered. It was really an eye-opener to the participants.”

– Assoc. Prof. Dr. Asmah Hamid , UKM



“I express our heartfelt gratitude to Mr. Rooney and his dedicated team, along with the exceptional hospitality extended by SNIBE representatives. Equally important, we are deeply appreciative of the invaluable support and opportunity by our MACB president, Dr. Raja Elina, and Pn. Rozie from MACB, who seamlessly coordinated our flight and accommodation arrangements”

–Dr. Alicezah Mohd. Kassim, UITM

TESTIMONIALS FROM DELEGATES



"Prof Tomris delivered a very good lecture titled "Current immunoassay methods and their applications as clinically used biomarkers of cancer". Another outstanding speaker is Prof Mario Plebani also delivered a very interesting lecture on sustainability and value-based laboratory medicine"

-Mdm Chen Bee Chin, MACB



"The Immunoassay conferences featured distinguished speakers who delved into various topics, including cancer diagnosis, sustainability in laboratory medicine, ESG's role in medical laboratories, serum biomarkers of liver fibrosis, and more. These conferences provided a platform for sharing knowledge, insights, and advancements in the field of immunoassay, reflecting SNIBE's commitment to industry leadership."

-Mr. Mohd Hairi A. Hamid, IJN

"This is a very prestigious conference that brings together delegates from over 50 countries to hear from great speakers from well-known institutions, addressing on global issues such as sustainability and value-based laboratory medicine, ESG for medical laboratories, and various topics on parameters measured by immunoassay methods. Snibe's impressive and amazing technology, as well as their well organized work, amenities, and hospitality, should be commended."

- Assoc. Prof. Dr Tuan Salwani, HUSM

"The symposium was attended by delegates from 55 countries. There were 12 speakers who delivered topics on their own specialty which is really fruitful to us. There were two topics that caught my eyes which were related to sustainability by Professor Mario Plebani and environmental, social and governance by Dr Endang Hoyaranda. These two topics are interrelated; both talk about how laboratory medicine can provide health care to patients while protecting the environment."

-Ms. Yeoh Ai Chin, UMMC

"The factory tour allows us to have full understanding on how an instrument is manufactured and what are the processes involved. Participants were shown on how the robustness testing is conducted to ensure the unit achieve the precision as expected.. Thank you to MACB_SNIBE collaboration, it gives us an opportunity to enhance the knowledge beyond the clinical laboratory."

-Mdm. Low Yoke Lee, Pantai Premier Pathology

MACB CONFERENCE

PARADIGM SHIFT OF LABORATORY MEDICINE – KNOWLEDGE ENGINEERING



Madam Chew Yee Yean
33rd Organising Chairman

Conference Summary

The conference was held on September 5th and 6th, with a pre-conference workshop on September 4th, the event brought together over 254 participants for conference and 80 participants for workshop, including 10 international and 9 local speakers, contributing to a dynamic and enriching conference.



The conference theme, "Paradigm Shift in Laboratory Medicine – Knowledge Engineering," highlighted the pivotal role of laboratory medicine professionals in enhancing patient care in the face of technological advancements. Notably, the IFCC-CCLM-MACB pre-conference workshop on Benchmarking Quality Performance in the Clinical Laboratory and the IFCC-CCLM symposium on Innovative Solutions in Laboratory Medicine, supported by IFCC, added substantial value to the program.

The conference featured five symposiums, two Industrial Lectures, and an impressive number of scientific paper submissions, reinforcing its significance. A total of 38 poster presentations, 5 oral presentations, and 2 young scientist award presentations underscored the enthusiasm and commitment of participants.

PRE-CONFERENCE & CONFERENCE ACTIVITIES

PARADIGM SHIFT OF LABORATORY MEDICINE – KNOWLEDGE ENGINEERING



Participants took the initiative to actively explore the exhibition booths, seizing opportunities for networking during tea breaks and free time. This proactive engagement not only enhanced relationships but also facilitated the sharing of knowledge and experiences. The vibrant atmosphere of Kuala Lumpur added a unique dimension to the conference experience, creating an enriching backdrop for these valuable interactions



We express gratitude to IFCC for their collaboration through the IFCC VLP program, contributing to the conference's success. Our appreciation extends to international and local speakers for sharing their expertise and experience. Special thanks to sponsors and the 15 vendors in the exhibition booths for their pivotal role in making the conference possible



In conclusion, the 33rd MACB Annual Scientific Conference 2023 was a resounding success, thanks to the active engagement of participants, the dedication of the organizing committee, session chairs, and volunteers. This gathering not only facilitated knowledge exchange but also fostered connections crucial for the future transformation of laboratory medicine



INTRODUCING THE WINNERS OF YOUNG SCIENTIST AWARDS 2023



MACB YOUNG SCIENTISTS AWARD

The Young Scientists Award is proud to announce 11 winners receiving recognition from the MACB 2023. Now in its 3rd year, the YSA recognizes the brilliant work of integrated medical lab scientists across the nation who have unified to achieve measurably better health outcomes, and 2023 was no exception. With 2 top regional winners, the breadth and depth of outcomes associated with the 2023 YSA best practices span patient experience, reduced mortality, decreased healthcare costs, decreased length of stay, and more.

The number of participations has improved every year and the number of young participants in Malaysia is expected to grow further. As Prof. Damian Gruson also a former member of the Young Scientist IFCC Task Force quotes "You will have good times in your career and not so good times but the most important fact is as a young scientist you should continue to work hard without letting failures hinder the progress in your career".

Interested in recognition through the MACB YSA? Start preparing your application now - applications for the 2024 MACB YSA awards are possible beginning Aug 1st. Visit MACB website to be one of the candidate!



Dr. Saswati Das

Dept of Biochemistry, ABVIMS & Ram Manohar Lohia Hospital, New Delhi, India



Title : Sigma Metric evaluation of pre-analytical and post-analytical errors in a clinical chemistry laboratory.

Iman Nabilah Abd Rahim

Institute of Pathology, Laboratory & Forensic Medicine, Faculty of Medicine, UITM Sungai Buloh Campus, Malaysia.



Title : Comparison of Directly Measured LDL-Cholesterol with Calculated LDL-Cholesterol using Friedewald, DE Cordova, Ahmadi & Vujivoc Formulas"

7th CONGRESS OF AAMLS

OCT 9-12, 2023 | World Trade Center, Kuala Lumpur

Workshop Collaboration

MACB, in collaboration with AAMLS 2023, orchestrated a comprehensive workshop on ISO and Quality Assurance at the World Trade Centre from October 9 to 12, 2023. Attendees, hailing from as far as Brunei, the Philippines, and Indonesia, had the opportunity to engage with three experienced speakers, gaining valuable insights into the intricacies of quality assurance practices.

Additionally, our presence at the event extended beyond the workshop, as we successfully set up a booth. The overwhelming response from international delegates, particularly those from the Philippines and Indonesia, underscores the global resonance of our efforts. This positive outcome reflects our commitment to fostering knowledge exchange and collaboration on an international scale. Well done to all involved!



MEMBERS CONTRIBUTION PAGE



AUTHORED BY
NORAISHAH MOHD DAWI
MEDICAL LAB SCIENTIST,
MAKMAL KESIHATAN AWAM
KEBANGSAAN (MKAK)

"The journey of a
thousand miles begins
with one step" ~ Lao Tzu



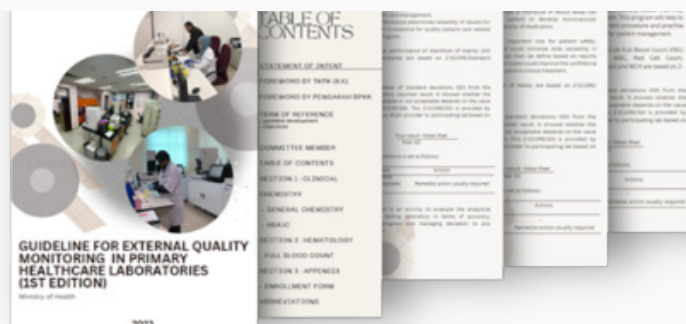
PUBLIC HEALTH LABORATORIES

When it comes to laboratory in healthcare, pathology labs are often the first thing that comes to our mind as a clinical scientist. So, what is laboratories in public healthcare do then? Besides specialized testing, doing research, quality improvement, training and education similar like other reference lab, Public Health Laboratories (PHL) have other core functions; mainly on disease prevention and surveillance in our community including preparedness and response; Food Safety that covers regulations and enforcement activities; and partnership & communication with relevant sectors. Thus, working with another public health division - Family Health Development (FHDD) coordinating the Program of Monitoring Laboratory External Quality for primary healthcare laboratory services does fits one of our roles.

This program is not new. It has already been running for more than 15 years when I joined National Public Health Laboratory (NPHL) in 2019. Despite its success, this program needs revitalization and innovation to enhance trustworthiness and reliability in laboratory services as part of community healthcare screening, disease intervention and prevention.

EQA PERFORMANCE

In 2020, I had the honour of presenting EQA Performance data during the Health Clinic Pathology QA (Proficiency Testing) Meeting as the center zone coordinator. We shared data on performances and issues in primary healthcare laboratories in Malaysia, gathered from all five (5) PHL coordinators, which marked a significant milestone in monitoring program. It provides value and opportunities by providing new potential and direction. **cont. page 19**



MEMBERS CONTRIBUTION PAGE



EMPOWERING HEALTHCARE LABORATORIES

From there, we worked towards identifying priority needs and developing strategic plans to enhance monitoring capabilities and strengthen laboratory capacity. FHDD team has started their efforts on resources and quality assurance need. Alongside my colleagues in National Public Health Laboratory (NPHL), we developed a Monitoring System known as Aplikasi Pemantauan External Quality (APEQ) System in 2022. Then in 2023, together with FHDD and primary healthcare representatives, we established the 1st version of Program Guidelines for External Quality Monitoring in Primary Healthcare Laboratories. It was a collaborative effort by Public Health team.

Recently, during 33rd MACB Conference, I had the opportunity presenting the Performance trend of External Quality in Primary Healthcare Laboratories. This study served as a continuation of our previous analysis and highlighted the outstanding efforts of my fellow colleagues at PHL as program coordinators. Besides that, to introduce this particular Public Health program that have greatly contribute to healthcare laboratories achievement in quality assurance activities to other Biochemistry colleagues in MACB.

Having the opportunity to gain experience in public health has been a valuable learning experience for me. It has allowed me to explore new opportunities and apply my skills, particularly in Quality Improvement and Initiative activities. This journey hasn't been easy, but I see it as a blank canvas waiting to be filled. My motivation stems from wanting to make a difference not only for my own family, but also for those around me - my friends, their families, and everyone in our community. The impact we can have on each other's lives is immeasurable and makes all the efforts worthwhile.



MEMBERS CONTRIBUTION PAGE



**AUTHORED BY
MR HAIRI A. HAMID
MEDICAL LAB SCIENTIST,
INSTITUT JANTUNG NEGARA
(IJN)**

I am a senior medical lab scientist at the National Heart Institute (IJN), embodies dedication, expertise, and leadership in medical laboratory science. With 12 years in healthcare, I am driven by a constant pursuit of excellence and patient-focused care.



BIOCHEMISTRY LEADERSHIP EXCELLENCE AT IJN

My main role is to make sure everything follows the MS ISO 15189 standards for quality and compliance. I oversee various services in clinical chemistry, providing expertise in different areas like general chemistry, immunoassay, tumour markers, and drug monitoring. I am also responsible for reliable and accurate reports that help doctors diagnose and treat patients. My team is fully dedicated to meeting accreditation standards like MS ISO 15189, JCI, and MSQH to support the quality and aim of IJN by providing top-notch lab services.

I work independently and train staff in biochemistry while supporting the lab director in managing other employees. My specialty lies in managing quality assurance programmes both inside and outside the lab, making sure all testing methods are precise and accurate through various programmes.

My expertise in biochemistry makes me a sought-after advisor for technical issues. I help doctors understand rare and specialised test results and takes on multiple roles like technical manager for the Chemical Pathology Laboratory (ISO 15189), internal auditor (ISO 15189), and OSH coordinator for the Lab Department. I also oversee safety and improvement tasks, actively involved in impactful projects, such as root cause analysis and patient journey improvement, highlights his commitment to improving healthcare.

I strive to be an exemplary figure in modern healthcare in IJN, to dedicate my career to advancing medical laboratory science. I hope my leadership, commitment to patient welfare, will inspire the aspiring younger generations and lab scientists and healthcare professionals.



>>> OUR PLAN FOR

2024 CALENDAR

Save the dates for an upcoming event by the Malaysian Association of Clinical Biochemists! Join us for a valuable experience, connecting with experts and staying updated on clinical biochemistry advancements. Enhance your knowledge, exchange ideas, and be part of our dynamic community. Stay tuned for details – we look forward to your active participation.

SAVE THE DATE



SHARE WITH US

Did you know that AI, machine learning, global supply chain, moving average & sustainability in lab medicine is the upcoming trend? Share with us how your lab is changing its direction towards this.

The two days workshop program is specially designed for participants who handle chemicals and responsible for chemical management at their workplace.

>>> April 22-23 Palace Hotel KK, Sabah

CHEMICAL MANAGEMENT IN THE HEALTH CARE FACILITIES



34TH MACB CONFERENCE

>>> July 28-30, Berjaya Times Square hotel

The conference will be co-organise with MyBiomed in conjunction with the 2nd MyBiomed Symposium. Also we will collaborate with HKL and HTA.



APFCB CONGRESS 2024

>>> Oct 31 - Nov 3 | ICC Sydney

The Australasian Association for Clinical Biochemistry and Laboratory Medicine is excited to be hosting the 17th Asia-Pacific Congress of Clinical Biochemistry and Laboratory Medicine, APFCB 2024.

XXVI IFCC WORLDLAB CONGRESS

It gives us immense pleasure and a great honour to invite you to attend the 26th International Congress of Clinical Chemistry and Laboratory Medicine (ICCLM) – IFCC WorldLab Congress. This event will be organized jointly with the 17th Congress of the Arab Federation of Clinical Biology (AFCB), the 10th Annual Meeting of the Saudi Society for Clinical Chemistry (SSCC), and the 8th International and UAE Genetic Disorders Conference in partnership with MZ Events. The congress will be held at the Dubai World Trade Centre (WTC) from May 26-30, 2024.

The 3rd IFCC FORUM for Young Scientists is also planned to be held before the congress. The IFCC WorldLab aims to deliver a worldwide forum for the free and open exchange of information on the science and technology of clinical chemistry and laboratory medicine in academic, clinical, and industrial settings. The Scientific Program Committee is putting together a multidisciplinary program featuring plenary lectures, symposiums on cutting-edge topics, oral presentations, posters, and high-level educational workshops.

SAVE THE DATE



COLLABORATE WITH US

MACB is looking for collaboration on working on Lot-to-lot verification guideline. Contact us if you are dedicated and committed to join us

MACB JOURNAL

Contribute to our library's growth! Submit your latest research publications to the MACB Journal. Your work is pivotal in advancing our collective knowledge. Share your insights with the MACB community by submitting through our online platform at <https://journal.macb.org.my>



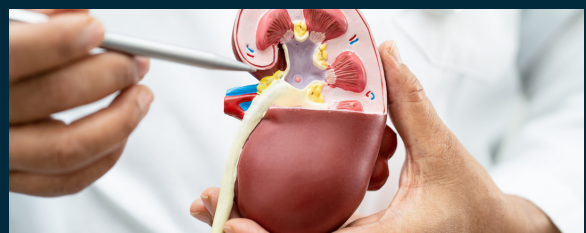
PUBLIC AWARENESS

MACB is actively engaging the public through awareness programs, aiming to bridge the gap between clinical biochemistry and the community. Join us in enhancing understanding and promoting the critical role of clinical biochemistry in healthcare.

UPCOMING WORKSHOP ON STATISTICAL ANALYSIS IN METHOD VALIDATION



MACB PROJECTS ON NAFL & SURVEY ON ROLE OF LABS IN CKD - IS ON OUR LIST

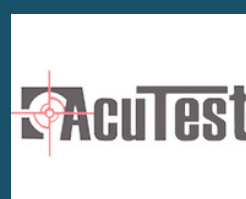
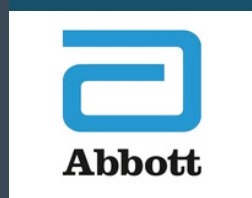


CORPORATE MEMBERS



THANK YOU!

We wish to thank all active corporate members for their continuous support in our 2023 activities. We could not have done it without you, and we look forward to more innovative plans with our respective corporate members.



ISSUE 01

JANUARY 2024

eNEWSLETTER

MALAYSIAN ASSOCIATION OF CLINICAL BIOCHEMISTS



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