



**MALAYSIAN ASSOCIATION OF CLINICAL BIOCHEMISTS**  
(Persatuan Ahli Biokimia Klinikal Malaysia)  
No 17-07, Tingkat 17, Menara Arina Unit,  
No 97, Jalan Raja Muda Abd Aziz, Kampong Baru, 50300 Kuala Lumpur  
Tel: 03-2202 7353 E-mail: [macb\\_secretary@yahoo.com](mailto:macb_secretary@yahoo.com)

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Date : 30<sup>th</sup> JUNE 2024  
Ref : MACB.CONF.24(3)

Dear Members,

### **Notification of 34th Annual General Meeting and Agenda**

Notice is hereby given that the **34th Annual General Meeting (AGM)** of the Malaysian Association of Clinical Biochemists (MACB) will be held physically at **Hotel Royale Chulan, KL** on the **22<sup>th</sup> July 2024 at 4.30 pm.**

#### **2.0 AGENDA**

1. Opening and President's address.
2. Confirmation of the minute of the 33rd AGM held hybridly at Triune 11, Triune Centre, KL Eco City Bangsar KL and virtually via Microsoft Team on the 25<sup>th</sup> Nov 2023.
3. Adoption of the Annual Report for the year 2023/2024 by the MACB Secretary.
4. Adoption of the Audited Accounts for the year ending 31<sup>st</sup> December 2023 by MACB Treasurer.
5. Appointment of the auditors for the current financial year (2023)
6. Proposal for resolution / amendments to Constitution.
7. Any other matters

Thank you and see you soon.

Thank You

Yours Sincerely,

**CHUO PECK HAM**

Secretary

MACB Council 2022/2024



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(Persatuan Ahli Biokimia Klinikal Malaysia)  
o 17-07, Tingkat 17, Menara ArinaUniti,  
o 97, Jalan Raja Muda Abd Aziz, Kampong Baru, 50300 Kuala Lumpur  
el: 03-2202 7353 E-mail: [macb\\_secretary@yahoo.com](mailto:macb_secretary@yahoo.com)

Date : 30th June 2024  
Ref : MACB.CONF.24(4)

Dear Members,

### **MACB COUNCIL 2024-2026**

#### **Notification of Voting in AGM meeting**

Notice is hereby given that there will be nine (9) Council Member positions available for election, and that voting will take place online on the day of AGM. The nomination of nominees was received by 30th June 2024. The following nominated Council Members are uncontested.

<b>President</b>	Raja Dr. Elina binti Raja Aziddin
<b>Secretary</b>	Chuo Peck Ham
<b>Assistant secretary</b>	Yeoh Ai Chin
<b>Treasurer</b>	Chen Bee Chin

Voting will be held during the 34th Annual General Meeting (AGM) of the Malaysian Association of Clinical Biochemists (MACB) on **Monday, 22nd July 2024** for the **one (1) vice President and four (4) council member** posts. The nominees are as follow:

<b>VICE PRESIDENT</b>
1. Tunku Marinah Ashraf binti Tunku Abdullah
2. Chew Yee Yean
<b>COUNCIL MEMBERS</b>
3. Vani a/p Munusamy
4. Roziela binti Abu Bakar
5. Dr Nurulamin Abu Bakar
6. Abdullah Fahim bin Ahmad Hamdan
7. Muhd Hareeff Muhammed

#### **Procedure for Voting During the AGM**

1. Members are invited to attend and participate at the upcoming **HYBRID** AGM and cast the vote using the e-voting facility provided during the Meeting.
2. Only valid LIFE, ORDINARY and RETIRED members are entitled to vote.
3. Corporate members and Associate members are NOT eligible to vote.
4. The link to the virtual AGM on **22<sup>nd</sup> July 2024** is made available once you have registered.

Thank you and see you soon at The Royale Chulan KL.

MACB President



## MALAYSIAN ASSOCIATION OF CLINICAL BIOCHEMISTS

(Persatuan Ahli Biokimia Klinikal Malaysia)

Division of Biochemistry, Institute for Medical Research

Jalan Pahang, 50588 Kuala Lumpur, Malaysia.

Tel : (GL) 603 - 2698 6003 ext. 395 (DL) 603 - 4040 2395 Fax : 603 - 2693 8210

Minutes of the 33rd Annual General Meeting (AGM) of Malaysian Association of Clinical Biochemists (MACB), held hybrid on the 25th November 2023 at Triune 11, Triune Centre BO1-A 09, Menara 2, 3, Jalan Bangsar, KL Eco City, 59200 Kuala Lumpur and virtually via Microsoft Team.

### **PRESENT:**

(Physical)

- 1 CHAN RU SIN
- 2 CHEW YEE YEAN
- 3 CHUO PECK HAM
- 4 DR ABDAH MD AKIM
- 5 DR HAFIZAH ABDULLAH
- 6 DR HANISAH ABD HAMID
- 7 DR NUR AISHAH SHARUDIN
- 8 DR PAVAI STHANESHWAR
- 9 DR RAVINDRAN RAMAN
- 10 DR. RAJA ELINA BINTI RAJA AZIDDIN
- 11 FIRDAUS AZIZ
- 12 LIM KEE KEE
- 13 NOORAZRIN MUSA
- 14 DR NURULAMIN BIN ABU BAKAR
- 15 ROHANA AHMAD
- 16 ROZIELA ABU BAKAR
- 17 RUSLI BIN IBRAHIM
- 18 TENGKU ZAHARAH TENGKU IBRAHIM
- 19 TING HUONG YEW
- 20 TUNKU MARINAH
- 21 VANI A/P MUNUSAMY
- 22 WONG YOKE YIEN
- 23 YEOH AI CHIN

(Virtually)

- 24 CHEN BEE CHIN
- 25 KATHELEEN NG LI FONG
- 26 LESLIE CHARLES LAI CHIN LOY
- 27 SUBASHINI C. THAMBIAH

## **1.0 Opening of Meeting and President's Address**

The Chairman, Y.M Raja Dr Elina binti Raja Aziddin, President of MACB, called the meeting to order at 11.05 am as the requisite quorum was present. The Chairman extended her warm welcome to all members present and thanked those who attended the meeting virtually. She went on to remind members on their membership subscription and briefly described the various benefits of active members. This includes opportunities for sponsorship and grants to attend international congresses, opportunities for participation in international committees or as a corresponding member and opportunity to participate in the *IFCC* Professional Scientific Exchange Programme (PSEP).

The Chairman also gave a short presentation on the current and future plans of the MACB. The president encouraged members to recruit new members and also invited members as well as corporate to join as members of the MACB Task Force and Working Groups.

## **Adoption and Confirmation of the 32<sup>nd</sup> AGM Minutes**

The minutes of the 32<sup>nd</sup> MACB AGM, which was held virtually on the Microsoft Team platform on 24<sup>th</sup> September 2022, were presented and adopted.

Proposer : Dr Pavai Sthaneshwar (University Malaya Medical Centre)

Seconder : Mr Rusli Ibrahim (Hospital Tengku Ampuan Rahimah Klang)

## **3.0 Adoption of the Annual Report 2022/2023**

The annual report was presented by the Secretary and the Chairman of each subcommittee. In addition to the stated MACB representatives in the IFCC and APFCB committees / working groups, Dr Pavai Sthaneshwar is the MACB representative for the APFCB-CKD Taskforce team.

The Annual Report was adopted.

Proposer : Ms Chan Ru Sin (Thomson Hospital Kota Damansara)

Seconder : Mdm Rohana Ahmad (Hospital Pulau Pinang)

## **4.0 Adoption of Audited Accounts for the Year Ending 31<sup>st</sup> December 2022**

The audited account for 2022 was presented by Treasurer. The Chairman then invited members to comment or ask for any clarification on the annual accounts of the association. The Chairman put the motion to adopt the account. The account was adopted unanimously.

Proposer : Mdm Lim Kee Kee (Hospital Ampang)

Seconder : Mdm Norazlin Musa (Hospital Ampang)

## **5.0 Appointment of Auditors for the Current Financial Year 2023**

The meeting appointed the following two (2) internal auditors for the current financial year:

1. Mr Rusli Ibrahim (Hospital Tuanku Ampuan Rahimah, Klang)
2. Lim Kee Kee (Hospital Ampang, Selangor)

The Chairman then informed members regarding the re-appointment of a registered auditor, SYS Koh and Co as statutory auditor of the association from the conclusion of this AGM.

## **6.0 Resolution of Constitution Amendments**

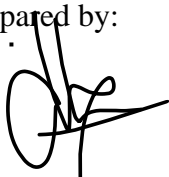
No motion was forwarded.

## **7.0 Any other Matters**

- a. The President announced that Dubai will host the IFCC Worldlab in 2024. She encouraged members to apply for the Young Scientist Awards which will be offered by the IFCC and APFCB
- b. She also informed that India was successful in their bid and will be hosting the IFCC WorldLab in 2026.
- c. Due to this decision, at the request of the APFCB, the MACB will host the Asia-Pacific Federation for Clinical Biochemistry and Laboratory Medicine (APFCB) Congress in 2027. The congress venue will be at KLCC and will be held from 10<sup>th</sup> to 13<sup>th</sup> October 2027.
- d. Ms Vani Munusamy proposed to initiate the Inborn Error Metabolism (IEM) Taskforce with Dr Hafizah binti Abdullah (Hospital Tunku Azizah) and Dr Pavai Sthaneshwar (University Malaya Medical Centre)
- e. Apart from EFLM Academy, the IFCC Education and Management Division (EMD) has also initiated some EMD Learning programmes.

The Chairman thanked the members for attending the AGM and for their active involvement. After all the items of the agenda being transacted with no new issues raised, the 33<sup>rd</sup> AGM was adjourned at 1.30 pm.

Prepared by:



**CHUO PECK HAM**  
Secretary  
MACB Council 2022/2024

Certified Correct by:



**RAJA DR ELINA RAJA AZIDDIN**  
President  
MACB Council 2022/2024



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**MALAYSIAN ASSOCIATION OF CLINICAL BIOCHEMISTS  
ANNUAL REPORT**

**2023/2024**

**MALAYSIAN ASSOCIATION OF CLINICAL BIOCHEMISTS**

(Persatuan Ahli Biokimia Klinikal Malaysia)

No 17-07, Tingkat 17,

Menara ArinaUniti,

No 97, Jalan Raja Muda Abd Aziz,  
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*Prepared and Compiled by Chuo Peck Ham*

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## 1.0 COUNCIL REPORT

### 1.1 MACB Council (2022-2024)

The new MACB Council was elected via e-voting and announced on the 32<sup>nd</sup> MACB Annual General Meeting (AGM) which was held virtually on 24th Sept 2022. The new Council is as follows:

President	Y.M. Raja Dr. Elina binti Raja Aziddin
Vice President	Y.M. Tunku Datin Marinah Ashraf binti Tunku Abdullah
Secretary	Mdm Chuo Peck Ham
Assistant Secretary	Mdm Sivasangkari a/p Supremaniam ( <i>deceased</i> )
Treasurer	Mdm Chen Bee Chin
Council Member	Ms Vani a/p Munusamy
	Mdm Roziela binti Abu Bakar
	Mdm Chew Yee Yean
	Dr Nurulamin bin Abu Bakar

### 1.2 Council Activities

MACB Council Meetings:

The Council met 3 times in 2023/24 with attendance records as follows:

	Attendance
Y.M. Raja Dr. Elina binti Raja Aziddin	3
Y.M. Tunku Marinah Ashraf binti Tunku Abdullah	2
Chuo Peck Ham	3
Chen Bee Chin	3
Vani a/p Munusamy	3
Roziela binti Abu Bakar	2
Chew Yee Yean	1
Dr Nurulamin bin Abu Bakar	3
<b>Subcommittee</b>	
Mohd Firdaus bin Abdul Aziz	3

The meetings were conducted through video conferencing and physical attendance.

### 1.3 Registrar of Societies (ROS)

Registrar of Societies (ROS) is a regulatory department under the Ministry of Home Affairs that primarily governs the registration, control, supervision and maintenance of records pertaining to registered non-governmental organisations. MACB is currently compiling 2022 documents in order to keep ROS updated on MACB current status..



## 1.4 MACB Subcommittees

### a. Scientific Subcommittee

Appointment of new Scientific Committee members was made on 12th March 2024. Appointment will be for a term of 2 years. The current Committee members are as follows:

<u>Position</u>	<u>Name</u>	<u>Organisation</u>
<b>Chairman</b>	Dr. Raja Elina binti Raja Aziddin	UKM / MACB
<b>Members</b>	Dr. Leslie Charles Lai Chin Loy	Gleneagles Hospital Kuala Lumpur
	Associate Professor Dr. Pavai Sthaneshwar	University Malaya Medical Centre
	Associate Professor Dr. Subashini C. Thambiah	Universiti Putra Malaysia
	Mdm Rozita Abdullah	Hospital Sungai Buloh
	Ms Yeoh Ai Chin	University Malaya Medical Centre
	Mdm Raja Hasyidah Raja Bongsu	National Institute of Health
	Mdm Siti Suhana Abdullah Soheimi	Hospital Kuala Lumpur

The committee will also consider appointing a corporate representative and this appointment will be made at a later date.

Terms of reference of the Scientific Committee are as follows:

- To Identify and plan the scientific activities to be undertaken by the association.
- To identify the necessary sub committees and working groups required.
- To determine the scientific program in MACB Conference.
- To approve the scientific content of industry sponsored courses /seminars / workshops.
- To provide guidelines on best practices in Clinical Biochemistry.
- To identify and facilitate transfer of knowledge on scientific and technological advancements in Clinical Biochemistry to laboratory professionals.
- To Identify research areas of relevance to Clinical Chemistry and Laboratory Medicine as well as assist the transfer of research results to the profession.
- To facilitate the development and transfer of technical innovations to clinical laboratory professionals and clinicians.
- To facilitate the development and implementation of diagnostic strategies.
- To establish standardisation for scientific and technical aspects of good laboratory practice.
- To provide networking between laboratories.
- To respond to scientific and technical needs of Ministry of Health, MACB corporate members, APFCB, IFCC and other related external agencies.
- To actively participate in MACB conferences, scientific programmes, seminars and other scientific meetings.
- To organise scientific meetings and discussions between agencies and organisations.

Under the Scientific Committee, there are the CKD Task Force and a Technical Committee on Method Verification which are collaborative efforts with MOH.

The first meeting of the new committee was held virtually on 11th May, 2024, where committee members agreed that the following new Task Force and working groups will be established in 2024:

- a. Harmonization of microprolactin reporting across the country.
- b. New updates and guidelines on newborn screening.
- c. New updates and guidelines on the use of various LDL equations.
- d. New updates and guidelines on the application of medical decision limits, lot to lot verification and measurement of uncertainty.
- e. Harmonization of calibration on pipettes and thermometer verification

**b. Education Subcommittee**

<u>Position</u>	<u>Name</u>	<u>Organisation</u>
<b>Chairman</b>	Y.M. Tunku Marinah Ashraf binti Tunku Abdullah	MACB
<b>Members</b>	Ts Dr Norlida Harun	Hospital Kuala Lumpur
	Chen Bee Chin	MACB

Duties: To plan and organize training programs for all members and the industry.

**c. Communication and Publicity Subcommittee**

<u>Position</u>	<u>Name</u>	<u>Organisation</u>
<b>Chairman</b>	ChM Mohd Firdaus bin Abd Aziz	National Cancer Institute
<b>Members</b>	Mr Mohd Hafiz Rahim	National Cancer Institute
	Mdm Roziela Abu Bakar	Cheras Rehabilitation Hospital
	Mdm Norinsiah bt Sarni	Hospital Pakar Sultanah Nora Ismail, Batu Pahat
	Ms Siti Zuleha Idris	National Blood Centre KL

Duties :

- a) **To promote MACB and Membership Drive:**  
To actively promote the association and engage in efforts to increase MACB's membership base.
- b) **To coordinate publication of MACB Newsletters and Publicity Materials:**  
To ensure timely release of MACB newsletters and other promotional materials to inform members and the public of MACB's current and upcoming activities and achievements.
- c) **To manage and maintain MACB main website ([www.macb.org.my](http://www.macb.org.my)), press and all social media platforms.**  
To oversee and update MACB website with latest information, activities, events and resources related to medical laboratory and clinical biochemistry
- d) **To promote MACB Activities:**  
To spread awareness of MACB activities, including conferences, seminars, webinars, workshops and all educational events.

**d. Corporate Affairs Subcommittee**

Chairman : Sivasangkari a/p Supremaniam  
 Secretary : Shen Wai San (Roche Diagnostics (M) Sdn Bhd)  
 Treasurer : Adam Hathshey Bronson (Pantai Premier Pathology Sdn Bhd)  
 Members :

No	Corporate	Representatives
1.	Becton Dickinson	Ong May Fong Priscilla Lau
2.	Abbott Laboratories (M) Sdn Bhd	Daniel Lee
3.	Roche Diagnostics (M) Sdn Bhd	Wua Ming Sheng Shen Wai San
4.	Radiometer Sdn Bhd	Naveen Jayakumar Matthew Chan Chin Meng
5.	Medinics (M) Sdn Bhd	Dr Ravindran Raman Nurul Hanan Binti Mustapha
6.	Siemens Healthcare Sdn Bhd	Niew Peh Li Mohd Fikhri Ahmad Tajuddin
7.	Acutest Systems(M) Sdn Bhd	Chew Shel Ling
8.	Axisbio Diagnostics Sdn Bhd	Farrah Zuall Cobley Nor Hilal Abu Hanipah
9.	Premier Integrated Labs Sdn Bhd (Pantai Premier Pathology Sdn Bhd)	Siti Zahra Mahat Haslina Yaakub
10.	Gribbles Pathology (M) Sdn.Bhd (Innoquest)	Sivasooriar Sivaneson R. Gobhy A/L Ramaloo
11.	Chemopharm Sdn Bhd	Chan Wei Suh (Sue) Wong Yoke Yien
12.	Revvity Singapore Pte. Ltd. (Perkin Elmer Sdn Bhd)	June Tan Wen Wen Dr Noorulaini Sulaiman
13.	Utas Maju Sdn Bhd	Ahmad Khusyairi Bin Zubir Muhammad Aiman Bin Abdul Halim
14.	Merck Sdn Bhd	Marcus Yeong Cristina Columna
15.	DW Labs Sdn Bhd	Mr. Darren Keith Francis Ooi Mr. Muhammad Rafiq Ruzmilan
16.	Straits Scientific (M) Sdn Bhd	Miss Ng Sau Keet Mr. Liang Xin Tay

Duties : To communicate, plan, collaborate, support and engage with the industry players in supporting MACB activities

**e. Journal and Scientific Publication**

The editorial team and advisory board members for Malaysian Journal of Clinical Biochemists (MJCB) (<https://journal.macb.org.my/home/about/editorialTeam>) were appointed by Malaysian Association of Clinical Biochemists (MACB) for two years commencing on 1<sup>st</sup> April, 2024, and will be ending on 31<sup>st</sup> March, 2026. The composition of the MJCB team members and their terms of reference are as follows:

# MACB ANNUAL REPORT 2023/2024

Position	Name	Designation	Terms of reference
Chief Editor	Dr. Abdah Md Akim	Associate Professor	<ul style="list-style-type: none"> <li>a. To communicate effectively with indexing bodies (MyCite, Scopus, and WOS) for optimal journal visibility.</li> <li>b. To conduct regular meetings to foster collaboration and address any issues promptly.</li> <li>c. To set and maintain a high-quality benchmark for MJCB, aiming for an annual publication each July.</li> <li>d. To develop and implement effective strategies and style guidelines, emphasizing a single-blind review process.</li> <li>e. To strengthen the international profile of MJCB by aligning website information with other high-impact factor journals.</li> </ul>
Assistant Chief Editor	Dr. Mohd Izani Othman	Senior Lecturer	<ul style="list-style-type: none"> <li>a. To provide robust support to the Editor-in-Chief in fulfilling their responsibilities.</li> <li>b. To oversee the entire editorial process, ensuring adherence to established guidelines.</li> <li>c. To collaborate with members in maintaining a regular publishing schedule.</li> </ul>
Managing Editor	Dr. Nurulamin Abu Bakar	Science Officer / Medical Laboratory Scientist	<ul style="list-style-type: none"> <li>a. To oversee and coordinate all editorial activities, ensuring efficient workflow.</li> <li>b. To manage publication deadlines and operational aspects of the journal.</li> <li>c. To assign and edit articles, upload contents online, and develop a comprehensive editorial calendar.</li> </ul>
Editors	1. Dr. Hani Ajrina Zulkeflee	Senior Lecturer / Chemical Pathologist	<u>A. Review Section Editor (Period: 14-28 days)</u>
	2. Dr. Farah Wahida Ibrahim	Senior Lecturer	<ul style="list-style-type: none"> <li>a. To establish and maintain a pool of qualified and diverse reviewers.</li> <li>b. To ensure timely and constructive reviews by clearly communicating expectations.</li> <li>c. To facilitate effective communication between reviewers and authors.</li> </ul>
	3. Dr. Chan Mooi Kwai	Science Officer / Medical Laboratory Scientist	<u>B. Amendment Section Editor (Period: 14-28 days)</u>
	4. Dr. Lina Wati Durani	Science Officer / Medical Laboratory Scientist	<ul style="list-style-type: none"> <li>a. To thoroughly review amended articles by ensuring they are aligned with reviewer comments.</li> <li>b. To effectively communicate with authors and Publishing Editor during amendment process.</li> </ul>
	5. Mdm Visalini Vejanan	Science Officer / Medical Laboratory Scientist	<u>C. Publishing Editor (Period: 14 days)</u>
Advisory Board Members	1. Dr. Raja Elina Raja Aziddin	MACB President	<ul style="list-style-type: none"> <li>a. To consistently edit all articles by ensuring a uniform and professional appearance.</li> <li>a. To enforce the highest standards of publication ethics.</li> <li>b. To regularly review citation metrics by gauging the impact of published work.</li> <li>c. To maintain prompt and responsive communication via email with authors.</li> </ul>
			<ul style="list-style-type: none"> <li>a. As MACB journal ambassadors at relevant conferences and other scientific events.</li> </ul>

<b>Position</b>	<b>Name</b>	<b>Designation</b>	<b>Terms of reference</b>
	2. Dr. Leslie Charles Lai Chin Loy	Consultant Endocrinologist	b. To provide valuable advice on journal strategy, policy, and content. c. To assist in shaping the composition and structure of the Editorial Board.
	3. Dr. Pavai Sthaneshwar	Associate Professor / Chemical Pathologist	
Web Manager	Ch.M Mohd Firdaus Abdul Aziz	Science Officer / Medical Laboratory Scientist	a. To regularly manage and update MJCB's website, ensuring accurate and current information. b. To collaborate with the editorial team to present MJCB's content effectively. c. To ensure that MJCB website aligns with the standards of other high-impact factor journals.

The subcommittee will work with the Editor to establish a panel of peer reviewers based on each expertise and will also participate in the review process. Subcommittee may provide advice on other strategic and ongoing issues pertaining to the Journal as requested by the MACB Council.

#### **f. Awards Subcommittee**

Newly recruited Awards Committee members will be for a term of 2 years effective 1st April 2024. The current ASC members are as follows:

<b><u>Position</u></b>	<b><u>Name</u></b>	<b><u>Organisation</u></b>
<b>Chairman</b>	Mdm Chuo Peck Ham	Hospital Kuala Lumpur
<b>Members</b>	Mdm Kamisah binti Karim	Allied Health Science (BSKB)
	Mdm Shajaratul Dura bt Mat Ali	Hospital Sultan Idris Shah
	Mdm Rohaznida Baharuddin	Hospital Ampang
	Mdm Lim Kee Kee	Hospital Ampang

#### **Duties:**

- To identify suitable awards
- To identify criteria for suitable award candidates
- To establish procedure for nomination and selection of candidates
- To facilitate nomination and selection process for potential candidates

**g. Lab Management & Sustainability Subcommittee**

The MACB Lab Management and Sustainability Subcommittee was formed in March 2024, aiming to contribute to the advancement of laboratory management practices and sustainability within the Malaysian diagnostics industry. The elected members will serve a 2-year tenure.

<u>Position</u>	<u>Name</u>	<u>Organisation</u>
<b>Chairman</b>	Mr Hareeff Muhammed	Premier Integrated Labs
<b>Members</b>	Dr. Mohd Jamsani Mat Salleh	Hospital Pulau Pinang
	Mdm Chew Yee Yean	UMMC

Duties :

- To organise activities such as workshops, training, webinars etc. on specific subjects of laboratory management and environmental issues that has educational value and are relevant to the current concern in clinical biochemistry and laboratory medicine.
- To promote, organise, direct and/or support courses for post-graduate training in laboratory management and environmental impact awareness in the country.
- To coordinate MACB activities in laboratory management and environmental awareness through its working groups and task force.
- To provide guidance on best practices on clinical laboratory management
- To liaise with APFCB, IFCC or other equivalent bodies in relevant organisations on educational activities through nominated representatives.
- To actively participate in MACB conferences, seminars, webinars and other scientific meetings.
- To collect, store and provide access to educational materials generated or received by the Federations to the members.
- To collect and provide materials for MACB Newsletter.

**h. MACB Regional Representative**

The main objective of the MACB regional representatives' appointment is to update members in respective regions on MACB activities, events and all current affairs.

<u>Name</u>	<u>Region</u>
1. Mdm Nurharniza Zakaria	Northern (Perlis, Kedah, Penang, Perak)
2. Mdm Nor Hafidza Yacob	Southern (Melaka, Johor, Negeri Sembilan)
3. Mdm Rohaiyu binti Ismail	East Coast (Pahang, Kelantan, Terengganu)
4. Mdm Jaleezah binti Idris	East Malaysia (Sabah)
5. Ms Wenna Nallance Lim	East Malaysia (Sarawak)

Duties:

- To serve as MACB Regional Representative
- To share information on MACB surveys, events, and current affairs with members in their respective regions. These shall include organizing, conducting, and participating in local events and obtaining feedbacks from members
- To encourage members' participation in MACB events from respective regions
- To identify the training needs of MACB regional member & assist in organising MACB events
- To determine potential projects within the region and identify volunteers from within the region for MACB committees and projects.

### i. IFCC and APFCB National Representatives

Y.M. Raja Dr Elina binti Raja Aziddin is the Malaysian representative in the IFCC and APFCB. MACB has also nominated a few of its members to sit in the IFCC and APFCB committee, namely Dr. Mohd Jamsani Mat Salleh to represent MACB in the APFCB Laboratory Management Committee, Dr. Nada Syazana Zulkufli, in the APFCB Education Committee and Dr Pavai Sthnaneshwar for the APFCB-CKD Task Force team. Dr Hanisah Hamid is the corresponding member of the IFCC POCT committee.

## 1.5 MEMBERSHIP

For the year 2023/2024, MACB successfully recruited 29 new ordinary, 20 associate and 1 retired members, with a total increase of 7.3 % in the membership list. MACB Membership Secretariat is actively driving sustainability of MACB membership and provision of benefits and privileges to its members.

Membership	2021/2022	2022/2023	2023/2024
Fellow	1	1	1
Life	9	9	9
Ordinary	409	430	459
Associate	239	248	268
Corporate	21	21	23
Retired members	5	5	6
<b>Total</b>	<b>684</b>	<b>714</b>	<b>766</b>

\*updated as at 19 Jun 2024

## 2.0 SCIENTIFIC SUBCOMMITTEE REPORT

(by Y.M. Raja Dr Elina Aziddin, Chairman of Scientific Subcommittee)

### 2.1 Symposia on “Point of Care Testing”

A pre-MACB Symposia on Point of Care Testing (POCT) was held prior to the 33<sup>rd</sup> MACB AGM 2023. The symposium aimed to discuss the impacts of the recently adopted ISO 15189:2022 on POCT requirements and the process of preparing POCT facilities in Malaysia for accreditation.

MACB members were invited to attend lectures from the three speakers outlined below:

Topic	Speaker	
1 Overcoming Challenges in POCT	Dr Hanisah Abdul Hamid, Consultant Chemical Pathologist. Hospital Tengku Ampuan Rahimah(HTAR), Klang, Selangor, Malaysia.	
2 Sharing Experience in POV multi-sites and multi-tests accreditation	Associate Professor Dr Busadee Pratumvinit , Clinical Pathology, Mahidol University, Thailand.	
3 How to prepare for a POCT inspection?	Ms Siti Rahmah binte Hashim, Principal Medical Laboratory Scientist, Woodlands Health Laboratory & Pathology,Singapore	



**Pic :** Interactive session during the hybrid symposium

## 2.2 REPORT ON CKD TASK FORCE ACTIVITIES

*(by Dr Leslie Charles Lai Chin Loy, Chair MACB CKD Task Force)*

The previous CKD Task Force was formed in December 2017 and finalised its recommendations in 2019 and uploaded onto the website on 20th November 2019.

The CKD Task Force was reconstituted on 1st March 2024 for a period of two years by the MACB president, YM Dr Raja Elina Raja Aziddin to update the CKD recommendations.

The current membership is as follows :

<u>Position</u>	<u>Name</u>	<u>Organisation</u>
<b>Chairman</b>	: Dr. Leslie Charles Lai Chin Loy	Gleneagles Hospital Kuala Lumpur
<b>Vice-Chairman</b>	: Associate Professor Dr. Pavai Sthaneshwar	University Malaya Medical Centre
<b>Secretary</b>	: Mdm Chuo Peck Ham	Hospital Kuala Lumpur
<b>Assistant Secretary</b>	: Mdm Nafisah Mohamad Noor	Hospital Kuala Lumpur
<b>Members</b>	: Professor Dr Lim Soo Kun	University of Malaya
	: Dr. Raja Elina Raja Aziddin	MACB President
	: Dr. Siti Sharina Anas	Hospital Putrajaya



## MACB ANNUAL REPORT 2023/2024

: Associate Professor Dr. Subashini C. Thambiah	University Putra Malaysia
: Dr Ahmad Zulkefli	Hospital Kuala Lumpur
: Mdm Low Yoke Lee	Premier Integrated Labs
: Mdm Sazaliah Ishak	Hospital Kuala Lumpur
: Mdm Siti Suhana Abdullah Soheimi	Hospital Kuala Lumpur

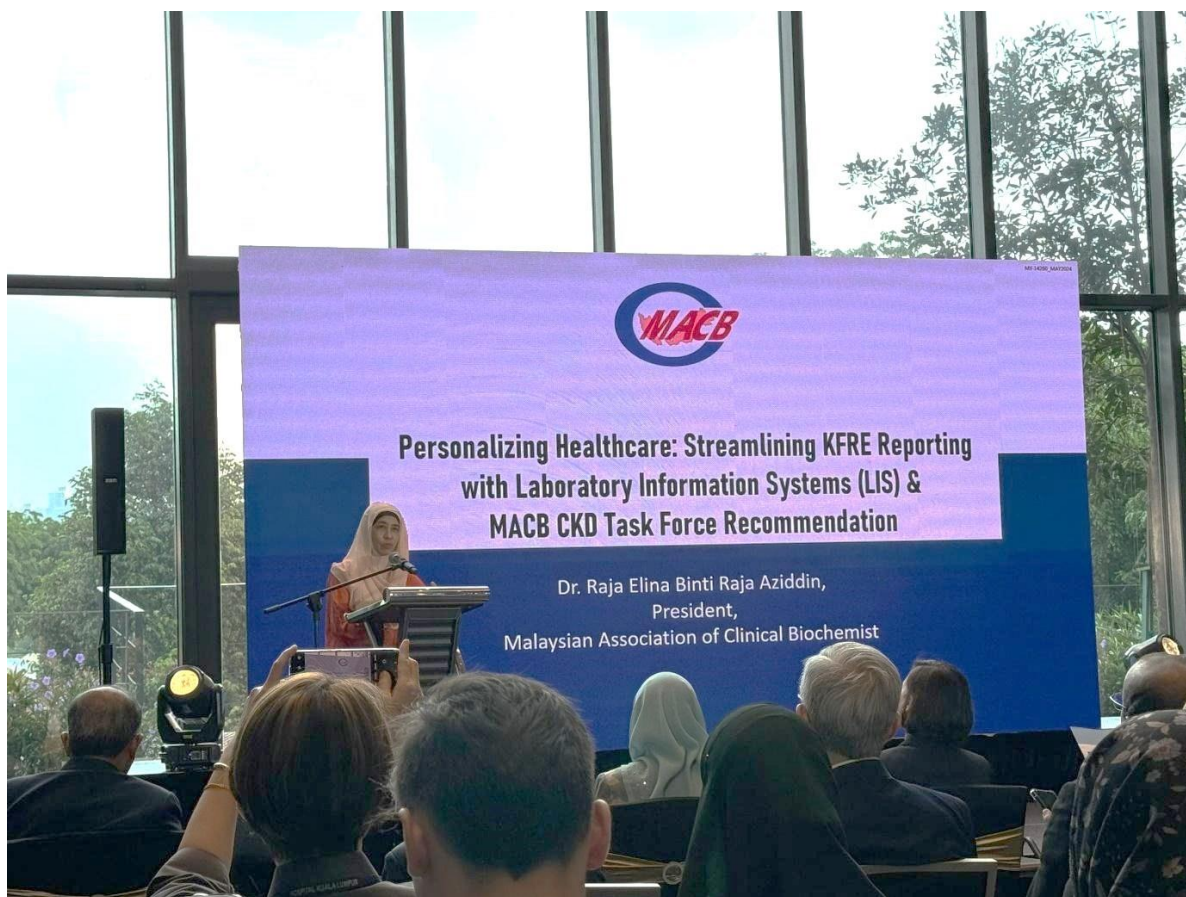
The MACB Task Force held an inaugural meeting on 30th March 2024 in the OPD Meeting Room, Pantai Hospital Kuala Lumpur . There were also representatives from AstraZeneca at the meeting.

At the meeting, AstraZeneca representative, Noelle Cheah, delivered a presentation on the KATALYST project which is a collaboration between AstraZeneca and various associations and Private Laboratory Chains to incorporate Kidney Failure Risk Equivalent (KFRE) in patient blood reports who have eGFR (CKD-EPI) less than 60 ml/min/1.73m<sup>2</sup> to help predict who will have a high risk of progression to end stage kidney disease (ESKD) and to help identify individuals who need referral to nephrologists to modify the progression of kidney disease. Prof Lim Soo Kun, Senior Consultant Nephrologist at UMMC, delivered a presentation on the benefits of KFRE and Associate Prof Pavai presented her findings in a study that she had conducted at UMMC on KFRE together with Prof Lim Soo Kun, as well as updates on the recommendations on eGFR, urine albumin to creatinine ratio and KFRE according to the recommendations of KDIGO 2024 Clinical Practice Guidelines for the Evaluation and Management of Chronic Kidney Disease (Kidney International, Volume 105, Issue 45, April 2024.). All the recommendations were approved by the members present.

The KATALYST project was launched on 7th May 2024 at Menara Ken, Taman Tun Dr Ismail, organised by AstraZeneca, under the project title “Smart Partnership for Early Actions in Chronic Kidney Disease”. The organisations and associations involved in this partnership are:

1. AstraZeneca Malaysia
2. Malaysian Society of Nephrology
3. Malaysian Association of Clinical Biochemists
4. Chapter of Chemical Pathology and Metabolic Medicine
5. College of Pathologists
6. Academy of Medicine Malaysia
7. Lablink
8. Premier Integrated Labs
9. Innoquest Malaysia , and
10. Sunway Medical Centre.

The aim of this partnership is to include KFRE in the lab reports for individuals who have eGFR less than 60 ml/min/1.73m<sup>2</sup> so that individuals with a high risk of progression to ESKD can be referred to nephrologists early in order to retard the progression to ESKD. Attached with this report is the programme for the launch of this smart partnership.



**Pic:** *MACB President delivering a lecture at the KFRE Media Event*

This smart partnership embarked on several initiatives which includes the creation of **MY CKD CPG Web App** by the Malaysian Society of Nephrology (MSN) in collaboration with Malaysian Association of Clinical Biochemists (MACB) and AstraZeneca Malaysia. This app is a comprehensive one-stop digital platform for healthcare professionals, providing holistic decision aid approaches for CKD management needs to facilitate early diagnosis and optimal management. In addition, the app will also incorporate **Kidney Failure Risk Equation (KFRE) into clinical practice** including auto laboratory reporting to enable for a refined risk stratification and prompting appropriate intervention to delay CKD progression.

This event received good media coverage.

## New Chronic Kidney Disease App, Predictive Kidney Failure Tool Launched

By CodeBlue | 8 May 2024

AstraZeneca, together with health care industry leaders, have launched an app for primary care physicians for chronic kidney disease management, plus a Kidney Failure Risk Equation that can be integrated into lab reports to predict kidney failure risk.



AstraZeneca Malaysia country president Vinod Narayanan speaks at the launch of a partnership for chronic kidney disease management in Kuala Lumpur on May 7, 2024. Photo from AstraZeneca Malaysia.

**Pic:** Speech by the Ministry of Health (MOH) medical practice division director Dr Mohamed Iqbal Hamzah – Article published on Code Blue Website

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NECARA

## Pemimpin industri kesihatan lancar MyCKD CPG intervensi penyakit buah pinggang

Oleh NUR FATIN ZAHRA 7 Mei 2024, 1:36 pm



Dr. Mohamed Iqbal (enam dari kiri) melakukan gimik pelancaran aplikasi MyCKD CPG ketika ditemui di Majlis Pelancaran MyCKD CPG di Menara KEN, Taman Tun Dr Ismail di ibu negara hari ini.

KUALA LUMPUR – AstraZeneca bersama beberapa pemimpin industri kesihatan hari ini melancarkan aplikasi kesihatan, MyCKD CPG dan Persamaan Risiko Kegagalan Buah

**Pic:** Partners which include the Malaysian Society of Nephrology (MSN), Malaysian Association of Clinical Biochemists (MACB), Chapter of Chemical Pathology and Metabolic Medicine, College of Pathologists, Academy of Medicine of Malaysia (CPMM, CPath AMM), Premier Integrated Labs, Innoquest Pathology, Lablink Medical Laboratory, and Sunway Medical Centre Laboratory – article published in Kosmo.

The event was graced by the Ministry of Health (MOH) medical practice division director, Dr Mohamed Iqbal Hamzah and it is a first-of-its-kind innovative partnership between multiple health care players and medical societies.



## 2.3 SYSMEX URINALYSIS FOCUS GROUP MEETING : THE ART AND SCIENCE OF URINALYSIS

Sysmex Malaysia organised a Urinalysis Focus Group Meeting with the theme “The Art and Science of Urinalysis” under the auspices of Malaysian Association of Clinical Biochemist (MACB). It was held on Tuesday, 14<sup>th</sup> May 2024 at the Everly Putrajaya Hotel with a total of 68 participants across Malaysia. The audience consisted of Chemical Pathologists, Lab Managers, Scientific Officers, and Medical Laboratory Technologists.

The event was opened by Ms Cheah Kit Yin, Sysmex Malaysia’s Country Manager. Professor Dr. C.N Srinivas, dubbed the "Father of Urinalysis" from Kauvery Hospital in India, delivered a talk on “Give Pee It’s Due Value” to emphasise on the importance of urinalysis biomarkers and the era of automation. The second topic was given by Mr Shanmuganathan Arumugam, a Scientific Officer from PPUM to share his “Journey from Manual Microscopic to Automated Urine Particle Flow Cytometry”. The final topic was “Urine Particle Flow Cytometry: What Can It Do for Renal and Urological Diseases” by Dr Jeffrey Susilo, Scientific Affairs Liaison from Sysmex Asia Pacific in which he shared on clinical utilities of the advanced clinical parameters on UN Series. An Expert Forum Discussion was carried out after the presentations.




**SYSMEX URINALYSIS FOCUS GROUP MEETING**  
14<sup>th</sup> May 2024, Tuesday, Everly Hotel Putrajaya, 8.30 AM – 4.30PM



**The Art and Science of Urinalysis**

Urinalysis was the first laboratory test performed in medicine and has been in use for several thousand years. Today, urinalysis continues to be an important means of obtaining crucial information for diagnostic purposes in medicine. Covering a range of screening tests, it may be used to screen for or help diagnose several common diseases.

In our Focus Group Meeting, we will share the best practices in urinalysis and highlight three areas in which our solutions significantly enhance the value of urinalysis in clinical decision making: **urinary tract infections (UTIs), chronic kidney disease and bladder cancer**. We will also discuss how our solutions support laboratory professionals and clinicians in providing improved patient care.

**Speakers**



Prof Dr Srinivas Chakravarthy N. MD, DNB, PhD, FCAP  
Group Director  
Kauvery Hospital India



Mr Shanmuganathan  
Senior Scientific Officer  
University Malaya Medical Centre



Dr Jeffrey Susilo  
Liaison, Scientific Affairs  
Sysmex Asia Pacific

PROGRAMME	
9:00 AM	<b>Opening Ceremony Speech</b> Cheah Kit Yin Country Manager – Sysmex Malaysia
9:15 AM	<b>Give PEE It's Due Value</b> Prof. Dr Srinivas Chakravarthy
10:30 AM	<b>A Journey from Manual Microscopy to Automated Urine Particle Flow Cytometry</b> Mr Shanmuganathan Arumugam
11:15 AM	<b>Urine Particle Flow Cytometry: What Can It Do for Renal and Urological Disease Diagnosis and Management?</b> Dr Jeffrey Susilo
12:00 PM	<b>Expert Panel Discussion</b>
12:30 PM	<b>Lunch</b>

**Pic : Sysmex The Art And Science Of Urinalysis flyer**



**Pic :** *The "Father of Urinalysis," Professor Dr. C.N. Srinivas of Kauvery Hospital in India, and demo session by Sysmex Application specialists.*



**Pic :** *Participants and invited speakers at the Sysmex Urinalysis Focus Group Meeting under MACB auspices*



#### **2.4 SEMINAR ON RCPAQAP : “THE IMPACT OF QUALITY PATHOLOGY ON THE HEALTH ECONOMY” ON 11<sup>th</sup> JUNE 2023 AT THE PAVILION HOTEL, KUALA LUMPUR**

The Royal College of Pathologists of Australasia Quality Assurance Programs (RCPAQAP) conducted a joint meeting with Malaysian College of Pathologists (CPath) and Malaysian Association of Clinical Biochemists (MACB) to celebrate their 35th anniversary of RCPAQAP.



**Pic:** *Officials from PRPAQAP, CPath and MACB at the opening ceremony of The Impact of Quality Pathology in Health Economics the Seminar*



*Pic: Panel discussion on Key Impact of ISO 15189:2022 Standards*


**Topics presented and discussed at the seminar were focused on:**

- QC and EQA
- Laboratory cyber security
- Changes with the new ISO 15189:2022 Standard
- The economics of community screening tests
- Lessons during the pandemic
- Providing optimal pathology services for non-communicable disease monitoring



## 2.5 MACB-APFCB WORKSHOP ON PATIENT-BASED QC

The PBQC workshop was supported by APFCB and featured APFCB travelling lecturer, Dr Loh Tze Ping from Singapore. It was held on 12th June 2024 at Cititel, Kuala Lumpur and focused on practical discussion of key concepts of patient-based QC, recommended ways to select the parameters, how to undertake performance verification of the patient-based quality control algorithm and how to apply it in routine practice. It also included a hands-on session with an Excel tool with real-world data and a discussion on areas of uncertainty or interest.



**MACB-APFCB Workshop on Patient Based Quality Control**

**100 Seats Only**  
MMA, NSR, MOH CPD Points & e-Certificate

**June 12th, 2024**  
**09.00 AM - 5.00 PM**  
**Cititel Mid Valley Hotel, Kuala Lumpur**

**Speaker 1: Dr Tze Ping Loh**  
Senior Consultant and Research Director

**Speaker 2: Ms Low Hui Qi**  
Research Engineer

**Workshop Overview**  
Patient-based quality control is a laboratory practice that harnesses the data generated from routine testing of patient samples to monitor the analytical performance of the measurement procedure. This can be achieved by applying statistical algorithms to seeks to minimise the biological variation in the patient results to detect changes in analytical performance. This workshop focuses on the practical discussion of key concepts of patient-based QC, how to select the parameters, undertake performance verification of the patient-based quality control algorithm and how to apply it in routine practice. This workshop will also have a hands-on session with an Excel tool with real-world data and plenty of opportunity to discuss areas of uncertainty or interest with the speakers.

**Registration Now** [www.macb.org.my/event](http://www.macb.org.my/event) Contact Info: +619-3744779 (CHM Firdaus Aziz) support@macb.org.my



**Workshop Program**

9.00 - 10.00 a.m.	Traditional internal quality control - application and limitation   Dr Tze Ping Loh	30 min + 30 min Q&A
10.00 - 11.00 a.m.	Patient-based quality control - an introduction   Ms Low Hui Qi	30 min + 30 min Q&A
11.00 - 12.00 p.m.	Patient-based quality control - parameter selection   Dr Tze Ping Loh	30 min + 30 min Q&A
12.00 - 1.00 p.m.	Lunch break	
1.00 - 1:30 p.m.	Round Table - what/ how are you doing it in your lab   Dr Tze Ping Loh	Open discussion
1:30 - 2:30 p.m.	Patient-based quality control - verification   Ms Low Hui Qi	30 min + 30 min Q&A
2:30 - 3:30 p.m.	Patient-based quality control - running it, follow up   Dr Tze Ping Loh	30 min + 30 min Q&A
3:30 - 5.00 p.m.	Hands-on with Excel tool + Debrief   Both Speaker	

**Registration Now** [www.macb.org.my/event](http://www.macb.org.my/event) Contact Info: +619-3744779 (CHM Firdaus Aziz) support@macb.org.my

**Pic: PBQC program**



**Pic:** Opening remarks by Dr Tony Badrick, APFCB President at the PBQC Workshop in Cititel



**Pic:** Lecture by Dr Loh Tze Ping, APFCB Travelling Lecturer at the PBQC Workshop in Cititel



**Pic:** *Participants at the PBQC Workshop. The workshop was attended by 60 participants.*

## **2.6 NATIONAL ABG SYMPOSIUM 2024 : TOWARDS IMPLEMENTATION OF ISO 15189 WITH iQM**

The “National ABG Symposium: Towards Implementation Of ISO 15189 with iQM” was held at Royale Chulan Hotel, Kuala Lumpur on 20<sup>th</sup> June, 2024. The symposium, under the auspices of the Malaysian Association of Clinical Biochemists (MACB), was jointly organized by the Straits Scientific and Werfen. Over 88 people attended the Symposium which comprised of a virtual session, series of lectures and interactive discussions with Blood Gas analyser users.

The welcoming speech was delivered by Dr. Raja Elina Raja Aziddin, the president of MACB. The event featured five plenary lectures followed with interactive sessions between participants and esteemed speakers. The first lecture which was delivered by Professor Sharon Ehrmeyer of the University of Wisconsin-Madison, focused on the risk management system including thorough risk assessment and effective risk mitigation for quality results and patient safety. The second lecture that was delivered by Dr. Hanisah Abdul Hamid addressed current challenges of POCT blood gas testing as well initiatives to overcome them. Prof. Sharon Ehrmeyer then continued, outlining how to accomplish ISO 15189 quality targets using iQM Technology. The evening sessions were delivered by Davide Colombo, the global acute care expert from Werfen, USA.





**Pic :** *Opening remarks by MACB President, YM dr Raja Elina binti Raja Aziddin*

His sharing involved field experiences using ISO15189, followed by pre-analytical, analytical and post-analytical journey in blood gas testing. The symposium recognized the contributions of all presenters, who presented insightful points of view on the highlighted topics. Participants were actively involved throughout the symposium, raising their concerns and engaging in open discussions. Overall, the National ABG Symposium was a resounding success, bringing healthcare professionals to share their valuable knowledge and experiences.

20 June 2024, Thursday  
8.00 AM - 4.00 PM  
Royale Chulan Hotel, Kuala Lumpur

**THURSDAY  
20 JUNE  
2024**

# NATIONAL ABG SYMPOSIUM 2024

"Towards Implementation of  
ISO15189 with IQM"

**DISCUSSIONS AND INSIGHTS**

- Quality Management in Blood Gas Testing
- Implementation of ISO15189 with IQM in POCT Setting

**ESTEEMED SPEAKERS**



**Prof. Sharon S. Ehrmeyer**  
Professor Emeritus, Pathology  
and Laboratory Medicine,  
University of Wisconsin-Madison



**Davide Colombo**  
Global Acute Care Expert,  
Werfen



**Dr. Hanisah Abdul Hamid**  
Head of Chemical Pathology,  
Hospital Tengku Ampuan  
Rahimah

SCAN THE QR  
CODE FOR  
REGISTRATION



## AGENDA

8:00 am	<b>Registration</b>	
9:00 am	<b>Opening Remarks</b>	
9:05 am	<b>Risk Management QC for Improved Quality and Patient Safety</b>	Prof. Sharon Ehrmeyer
10:05 am	<b>Overcoming Challenges in POCT Blood Gas Testing</b>	Dr. Hanisah Abdul Hamid
10:50 am	<b>Break</b>	
11:00 am	<b>Blood Gas Testing and ISO15189:2022 : Meeting Quality Goals with Intelligent Technology</b>	Prof. Sharon Ehrmeyer
12:15 pm	<b>Lunch</b>	
1:45 pm	<b>ISO15189 in Blood Gas Testing: Experience Sharing</b>	Davide Colombo
2:45 pm	<b>The Blood Gas Journey: pre-analytical, analytical and post-analytical phases</b>	Davide Colombo
3:45 pm	<b>Open Discussions</b>	
4:00 pm	<b>Closing Remarks</b>	
4:05 pm	<b>Adjourn</b>	

"This is a tentative agenda, subject to change.  
Full agenda and speakers will be posted closer to event date"








*Pic : National ABG Symposium 2024 event flyer*



*Pic : Participants and invited speakers at the National ABG Symposium under MACB auspices*



## 2.7 MACB ON RTM'S *SELAMAT PAGI MALAYSIA* LIVE MORNING SHOW

MACB was very proud to have the President herself, YM Dr Raja Elina Raja Aziddin, featured on RTM'S Selamat Pagi Malaysia talk show on 23<sup>rd</sup> June recently. The main objective of the slot was to emphasize on the importance of having one's kidney status regularly checked and to be able to predict the risk of getting chronic kidney disease. Revolving around the slot's theme, which was on "*Kesedaran Malaysia Tentang Penyakit Buah Pinggang*", Dr Raja, introduced the Kidney Failure Risk Equation (KFRE), a derived calculative measurement, which can be utilized for the early detection and timely intervention of CKD. The regular Sunday slot is a morning show broadcasted every Sunday to thousands of viewers, and was also on the live stream footage online. It was the first ever MACB live event of this scale at which it was able to actively engage with and reach out to a wider viewer across Malaysia.

Representing the medical laboratory professionals, Dr. Raja explained that MACB is leading an initiative to further elevate KFRE clinical utility by integrating it into lab reports. The impact of KFRE automation into clinical practice is pivotal for primary care physicians to improve on early detection as well as to optimally manage CKD patients to delay CKD progression. Importantly this will help patients with CKD to make informed health decisions and take a proactive approach to manage underlying risk factors.

Dr Raja was also accompanied by Dato' Dr Lily Mushahar, President of the Malaysian Nephrology Association, who presented the clinical perspective of kidney disease in Malaysia. Apart from presenting the data of diabetes, kidney disease and management, Dr Lily also emphasized on the importance of laboratory's effort in the management of kidney disease by applying KFRE values.



**Pic:** MACB President introducing the KFRE values on RTM



**Pic:** President of MACB and MSN on the RTM morning show



*Pic: MACB & MSN Presidents with RTM talk show hosts on 23<sup>rd</sup> June 2024*

MACB would like to thank RTM for giving us this opportunity and to Astra Zeneca for making all the arrangements. Last but not least, MACB wishes to thank wholeheartedly all contributors of this slot for making it an informative and an enjoyable experience.

### 3.0 EDUCATION SUBCOMMITTEE REPORT

(by Y.M. Tunku Marinah, Chairman of Education Subcommittee)

#### 3.1 MACB SAFETY & HEALTH TRAINING-WORKSHOP ON CHEMICAL MANAGEMENT IN HEALTHCARE FACILITIES

The training-workshop took place on 22-23 April 2024 at Palace Hotel, Kota Kinabalu, Sabah. The two-day programme was specially designed for participants who handle chemicals and responsible for chemical management at their workplace. It was aimed to help participants understand the types of chemical exposure and hazards at the workplace, ways to handle and manage the chemicals safely through the application of chemical registry and safety data sheets, and lastly, ways to minimize exposure of chemicals from potential adverse health effects.

##### Training Team

The members of the training team and organizing team are as follows:-

Trainer	1. Ms Chen Bee Chin (Scientific Officer & SHO) Bsc (Hons); MSc (UM)	
	2. Dr Anza Bte Elias (Occupational Health or Public Health Medical Specialist	
	3. Ts Christy Claire De Guzman (FMA Inspector & Enforcement Officer at DOSH)	
	4. Ms Melina Zefrinus Wong (GM & Product Specialist Weitengen Sdn Bhd)	
Workshop	Advisor	: Dr Raja Elina Aziddin
Secretariat	Organizing Chairman	: Pn Norhazwati Bt Mokhtar
	Secretariat & Publicity	: Pn Jaleezah Idris
	Treasurer	: Pn Chen Bee Chin
	Logistics	: Pn Siti Khadzirah
	IT Technical	: En Mohd Firdaus & Khairul Anuar
	Registration & Website	: En Mohd Firdaus Abdul Aziz

Participants were taught on safe practices for chemical storage and waste disposal, appropriate responses to emergency situations, chemical spillage and basic first aids. In addition, the requirement to comply to the Use and Standards of Exposure of Chemical Hazardous to Health (USECHH 2000) and Classification, Labeling and Safety Data Sheet of Hazardous Chemicals (CLASS 2013) regulations were also discussed. The training also emphasized the requirements of the accredited laboratory to comply to MS 1042 (Safety in Laboratories -Code of Practice) and MS ISO 15190:2020.

A total of 43 participants were from across Malaysia and comprised of laboratory scientists, medical lab technologists, pharmacists, researchers, laboratory managers, company directors and various other categories of laboratory professionals from government and private institutions. The training-workshop was co-sponsored by DW Labs Sdn Bhd, Tru One, Merck Sdn Bhd ( Weitengen-local agency) and DOSH department.





**Pic :** MACB Safety & Health Training-Workshop On Chemical Management Workshop Flyer



**Pic :** Participants from East and West Malaysia

#### **4.0 CORPORATE AFFAIR SUBCOMMITTEE REPORT**

*(by Roziela Abu Bakar, Representative of Corporate Affairs Subcommittee)*

MACB Corporate Affair Subcommittee experienced a loss with the passing of its chairperson Madam Sivasangkari Supremaniam in early 2024. In the interim, the council has appointed Mdm Roziela Abu Bakar to head and coordinate the activities of the Subcommittee. Ms Wai San Shen from Roche Diagnostics and Mr Adam Hathsey from Innoquest Pathology remains as the existing secretary and treasurer respectively. The official appointment of the Chair of the Corporate Affairs Subcommittee will be made after the appointment of the new council.

The corporate subcommittee is pleased to announce that DW Labs has recently joined the MACB corporate subcommittee in 2024. As at June 2024, there is now a strong support from 16 active corporate members, who are working closely with MACB to facilitate the industry by providing various forms of support via educational grants and opportunities in expanding MACB's activities related to clinical biochemistry and laboratory medicine. In 2023 and 2024, we have successfully implemented the "MACB-APFCB Webinar on Green Labs: Advancing Environmental Sustainability", a collaboration with Premier Integrated Labs, and two (2) National ABG Symposiums with Straits Scientific to the benefits of all MACB members. In line with the future prospect of AI and digitalization, we hope to get more beneficial propositions and ideas from corporate members in exploring these areas.

Following the health screening CSR activity carried out in previous years by MACB, the Corporate Affair Subcommittee is now looking forward to initiate a small - scale Corporate Social Responsibility (CSR) project with corporate members in the months ahead. We welcome all corporate members and also more diagnostic industrial members to join us to make this a reality.

#### **5.0 MACB AWARDS SUBCOMMITTEE REPORT**

*(by Chuo Peck Ham, Chairman of MACB Awards Subcommittee)*

In 2022, the MACB Awards Subcommittee introduced the MACB Young Scientist Awards (YSA). The mission statement of the subcommittee is to award MACB Young Scientist Awards (YSA) to scientists under the age of 40 who have demonstrated to be the leading experts in the field of Clinical Biochemistry by conferring them MACB Young Scientist Awards (YSA).

The MACB Young Scientist Awards, however, have been receiving less applications each year, and only the same applicants are participating. Hence, the committee decided to invite IFCC Young Scientist taskforce to a forum with our local young scientists. In the forthcoming forum, a number of topics pertaining to the perspectives of young scientists will be covered, primarily those related to career, education, training, research, exchange programs, and mentoring activities.

With the initiative plan in place, we hope that it will also serve as an invaluable opportunity to raise the recognition of laboratory medicine scientists globally as well as promote networking among the young scientists. The sharing of thoughts and opinions will aid our respective fields to progress as allied healthcare professionals and to recognize laboratory medicine.

## 6.0 COMMUNICATION AND PUBLICITY (C&P) SUBCOMMITTEE REPORT

(by Mohd Firdaus Abd Aziz, Chairman of Communication and Publicity Subcommittee)

The C&P Subcommittee's acquisition of additional assets to improve our conference and event experiences is one of its notable accomplishments. Additional accomplishments as listed below:

### A. Website Development

The C&P Subcommittee is pleased to report the successful development of a new MACB website that includes a members' database. The website offers the following features:

a) **Membership Management:**

Members are **encouraged** to update their contact details via the MACB website to receive the latest info about MACB events and updates

b) **App development:**

Mr Firdaus has developed an app (**MACB QR Attendance**) for the **MACB Conference**. It streamlines the check-in process by allowing the committee to quickly scan QR codes on tickets or nametags, ensuring a seamless and efficient registration experience.

c) **MACB Newsletter:**

The MACB e-newsletter has been established effectively in 2022 in replace of printed version which was previously practiced since MACB was first founded. The first e-newsletter edition for 2020-2022 was uploaded on the website in 2023 followed by second edition in 2024. This effort is greatly welcome to support paperless effort in protecting the earth and in support of green initiatives in line with global efforts such as Green Peace and WWF.

The editorial board is currently headed by Mdm Roziela Abu Bakar and supported technically by Mr Firdaus Abd Aziz. Its goal is to provide an across-the-board and encompassing platform for e-readers to be updated with MACB current and prospective activities, aspiring articles, corporate member activities, future plans and announcements for the year ahead.

The recent 2023 newsletter has been so appealing and attractive that it was approached by UNIVANTS Healthcare excellence awards program that wishes to contribute an article to the 2024 newsletter. Since its digital platform took effect since 2023, the editorial board has successfully published 4 awe-inspiring and stately articles from active members from National Public Health Laboratory (MKAK), National Institute of Heart (IJN), and two PhD aspiring students, Siti Zuleha Idris and Siti Suhana Soheimi..

The editorial board welcomes all aspiring members to join them in enhancing the look and content of high quality of the newsletter. Do contact the editor-in-chief for your interest.

The newsletter can be accessed on the website via this link: [Newsletter](#).

### B. Online Presence

Currently, the C&P Subcommittee manages multiple online platforms, which are instrumental in promoting MACB:

a) **MACB Main Website:** [www.macb.org.my](http://www.macb.org.my)

b) **Malaysian Journal of Clinical Biochemistry:** <https://journal.macb.org.my/index.php/home>

c) **Social Media Accounts:**

- i. **Facebook:** [www.facebook.com/macbpage](http://www.facebook.com/macbpage)
- ii. **Instagram:** [www.instagram.com/macb\\_moments](http://www.instagram.com/macb_moments)
- iii. **YouTube Channel:** [www.youtube.com/channel/UccOj\\_T\\_tJfKpWL7FttFlmw](http://www.youtube.com/channel/UccOj_T_tJfKpWL7FttFlmw) (Note: URL to be updated after the channel reaches 100 subscribers) Please subscribe now.
- iv. **Flickr Account:** [www.flickr.com/photos/macbphotogallery/albums](http://www.flickr.com/photos/macbphotogallery/albums)
- v. **Telegram Info Channel:** [t.me/macbinfo](https://t.me/macbinfo)
- vi. **MACB WhatsApp Number:** [wa.me/60193744779](https://wa.me/60193744779)
- vii. **LinkedIn Page:** <https://www.linkedin.com/company/macbmalsaysia/>

In conclusion, the C&P Subcommittee remains dedicated to the promotion of MACB and its clinical biochemistry and medical laboratory initiatives. Our recent accomplishments and future plans are aligned with our mission to educate and engage the community about the organization's work and attract new volunteers and members.

## 7.0 JOURNAL SUBCOMMITTEE REPORT

*(By Dr. Nurulamin Bin Abu Bakar, Chairman of Journal Subcommittee)*

The MJCB has re-structured and reformed with new Editorial Board Members consisting of biochemists, pathologists and academicians from various institutions.

The editorial team met three times including one MJCB new website operation training by Web Manager in order to produce its first annual publication in this year. The MJCB Volume 1, Number 1 (2024) is expected to be published in July 2024 followed by its supplementary version in August 2024. The MJCB aims to publish the paper of the MACB Young Scientist Award (YSA) 2024 by September 2024.

The MJCB editorial team is warmly welcoming all the MACB members and non-members to register as the reader and reviewer (<https://journal.macb.org.my/home/user/register>) as well as to contribute their work and insights by submitting their manuscript (original article, short reports, reviews, case reports and letter to editors) to our journal (<https://journal.macb.org.my/index.php/home/about/submissions>).

## 8.0 LAB MANAGEMENT AND SUSTAINABILITY SUBCOMMITTEE REPORT

The scope of the subcommittee includes three primary areas:

- a. Green Lab and Sustainability
- b. Pre-Analytical processes
- c. Safety and Risk Management.

To date, the notable activities conducted by the sub-committee includes:

### 8.1 GREEN LABS: ADVANCING ENVIRONMENTAL SUSTAINABILITY WEBINAR

In conjunction with World Environmental Day on June 5th, the subcommittee organized a webinar focused on advancing environmental sustainability within laboratory practices. This webinar provided valuable insights into the intersection of healthcare and environmental sustainability, emphasizing the importance of adopting eco-friendly practices in laboratory operations.

### 8.2 ISO 15189:2022 LAB ACCREDITATION WEBINAR

In collaboration with the International Association of Clinical Chemists (IACC), the subcommittee



conducted a webinar addressing the analytical quality requirements of ISO 15189:2022 Lab Accreditation. This webinar aimed to elucidate the new standard requirements for clinical laboratories, offering clarity and guidance to ensure compliance and quality assurance in laboratory processes.

As we move forward, the MACB Lab Management and Sustainability Subcommittee remains committed to promoting sustainability in healthcare and diagnostics. Our future plans include expanding educational initiatives, developing comprehensive guidelines for sustainable laboratory practices, and fostering collaboration with industry partners to drive positive change. Sustainability is not merely a choice but a responsibility in healthcare, and our subcommittee is dedicated to pioneering efforts that align with this ethos. Together, we can create a healthier and more sustainable future for all.



**Pic : MACB-APFCB Green labs : Advancing Environmental Sustainability flyer**

## 9.0 ANNUAL GENERAL MEETING 2023

The 33rd MACB AGM was held virtually on 25th November 2023 at Triune Centre, Bangsar, KL Eco City. Please refer to the 33rd AGM minutes for details.

## 10.0 ANNUAL CONFERENCE 2024

### 34<sup>th</sup> MACB Annual Conference 2024

The 34<sup>th</sup> MACB Annual Conference 2024 in collaboration with 2nd MyBioMed Symposium with the theme “Towards Holistic, Integration, and Sustainability in Medical Laboratory”, will be jointly organised by the Malaysian Association of Clinical Biochemist (MACB) and MyBioMed from 21<sup>st</sup> to 23<sup>rd</sup> July 2024 at The Royale Chulan, Kuala Lumpur Malaysia. The full report will be readily available by next year.

The venue and date of the 35th MACB Annual Conference in 2025 will be announced on the MACB website.

## 11.0 OTHER ACTIVITIES

### 11.1 MACB COLLABORATION WITH UKM TO SET UP THE PROFESSIONAL COURSE IN CHEMICAL PATHOLOGY LABORATORY.

UKM's Faculty of Health Sciences proposed a 6-months Professional Certificate Course in Chemical Pathology in collaboration with MACB. The objective of the course is to provide opportunity for Medical Lab Scientists to pursue further training and strengthen their knowledge in chemical pathology field.



**Pic:** Meeting held at Faculty of Health Sciences, UKM on setting up the Professional Certificate Course in Chemical Pathology

A series of meetings were held to discuss the possibility of setting up the Professional Certificate course in Chemical Pathology Laboratory (PC-PL).



**Pic:** *Members of the discussion group (from MACB and UKM) on setting up of a Professional Certificate Course in Chemical Pathology*

Representatives of the MACB are Dr. Raja Elina (MACB President), Tunku Marinah (MACB Chair of Education Committee), Puan Rozita Abdullah from Hospital Sg Buloh and Ts Dr Norlida Harun from Hospital Kuala Lumpur.

A market survey on Professional Certificate in Chemical Pathology Laboratory (PC-PL) conducted on 5<sup>th</sup> March 2024 received very encouraging feedback from respondents.

The activities under this collaboration may include, but not limited to:

1. Preparation of documents for the development of a Chemical Pathology professional certificate;
2. Identifying the facilities for attachment of UKM students at Chemical Pathology laboratories;
3. Conducting promotions to chemical scientific officers at the Ministry of Health Malaysia or private hospitals to participate in the chemical pathology professional certificate;
4. Conducting research activities such as joint grant applications at national and international level;
5. Organizing seminars/workshops and encouraging publications in the chemical pathology field
6. Other educational exchange programs approved as suitable by both parties



## 11.2 MYCEB NETWORKING LUNCH SESSION

Malaysia Convention and Exhibition Bureau (MyCEB) organised a networking lunch at the Riverside Café 17 April 2024. The MACB president was among those invited for the networking event.

**Pic:** *MACB president at MyCEB networking lunch*

The networking lunch discussed various implementation strategies taken by professional associations to secure bids in hosting international conferences in Malaysia. MyCEBs' role in assisting professional associations in these initiatives were also discussed.

## 11.3 EFLM ACADEMY

Since 2021, MACB which serves as the EFLM Academy's affiliated national association, has carried out blocked enrolment for EFLM Academy for its active members. Under the agreement terms between EFLM and MACB, EFLM Academy Members are entitled to free access to Clinical Laboratory Standards Institute (CLSI) materials.

MACB has so far gained great feedback from its members, with 47 enrolling in the EFLM Academy in 2021 and 118 in 2024. Renewals begin in November of the current year for the new enrolment year in January.



Kindly check MACB website for more updates.

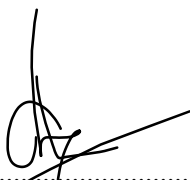


#### 11.4 RECRUITMENT TO MACB SUBCOMMITTEES

The MACB Subcommittee had recruited several MACB members to serve on various subcommittees and task forces. The most recent recruitment was initiated for MACB Lab Management & Sustainability, as well the Regional representatives to disseminate information on MACB activities. This is an exceptional opportunity for MACB members to take a more active and engaging role in the association and support MACB's objective.

The shortlisted applicants will serve for a two-year term beginning with their appointment date. MACB encourage all interested members to apply and help achieve the association's objectives and efforts to coordinate additional activities through its subcommittees for the benefit of the country's laboratory medicine industry.

Prepared by:



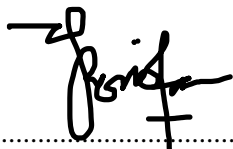
.....  
Chuo Peck Ham  
Secretary 2022/2024

Certified Correct by:



.....  
Y.M. Raja Dr Elina binti Raja Aziddin  
President 2022/2024

Edited by :



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Roziela Abu Bakar  
Editor-In-Chief 2022/2024

**MALAYSIAN ASSOCIATION OF CLINICAL BIOCHEMISTS**  
(PPM0051410031990)  
(Registered in Malaysia)

**DETAILED INCOME STATEMENT AND EXPENDITURE  
FOR THE YEAR ENDED 31 DECEMBER 2023**

	2023 RM	2022 RM
<b>REVENUE</b>		
Annual subscription fees	21,800	15,890
Conference and entrance fees - MACB	274,183	80,899
Membership entrance fees	3,150	4,190
Membership EFLM fees	10,250	7,230
Training workshop and seminar fees	31,134	36,770
	<u>340,517</u>	<u>144,979</u>
<b>LESS: COST OF REVENUE</b>		
Conference expenditure - MACB	138,814	19,155
Training workshop and seminar expenses	24,404	20,705
	<u>163,218</u>	<u>39,860</u>
<b>GROSS PROFIT</b>	<u>177,299</u>	<u>105,119</u>
<b>ADD: OTHER INCOME</b>		
Interest on fixed deposit	21,546	14,378
	<u>21,546</u>	<u>14,378</u>
<b>LESS: OPERATING EXPENSES</b>		
Administration expenses	(97,203)	(92,898)
Other operating expenses	(7,888)	(7,940)
	<u>(105,091)</u>	<u>(100,838)</u>
<b>PROFIT BEFORE TAXATION</b>	<u>93,754</u>	<u>18,659</u>

The detailed income statement do not form part of the Financial Statements of the Association.

**MALAYSIAN ASSOCIATION OF CLINICAL BIOCHEMISTS**  
(PPM0051410031990)  
(Registered in Malaysia)

**SCHEDULE OF EXPENSES**  
**FOR THE YEAR ENDED 31 DECEMBER 2023**

	2023	2022
	RM	RM
<b>ADMINISTRATIVE EXPENSES</b>		
Council meeting	2,900	10,200
Depreciation expenses	4,957	3,076
Food and messing	5,431	1,151
Gift and donation	3,575	5,940
License fees	-	200
Maintenance charges	3,313	3,313
Membership subscription	16,225	14,892
Member allowance	18,000	-
Petrol, parking and toll	82	140
Postage, printing and stationery	1,171	2,437
Penalty	220	498
Quit rent and assessment	409	135
Salary and wages	12,600	16,800
Services tax expenses	439	442
Subscription fees	2,006	3,169
Telephone charges	2,658	4,440
Travelling expenses	3,866	9,514
Upkeep of office equipment	927	-
Upkeep of premises	366	79
Upkeep of website	17,415	15,940
Water and electricity	643	532
	<u>97,203</u>	<u>92,898</u>
<b>OTHER OPERATING EXPENSES</b>		
Auditor's remuneration	1,650	1,350
Accounting fees	4,500	4,500
Bank charges	478	830
Tax agent fees	1,260	1,260
	<u>7,888</u>	<u>7,940</u>

The detailed income statement do not form part of the Financial Statements of the Association.