MACB
Malaysian Association of Clinical Biochemists

APFCB
Asia-Pacific Federation for Clinical Biochemistry and Laboratory Medicine

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

💲 RM 200 (MACB members)
RM 300 (Non-members)

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.

Register Now   www.macb.org.my/event

Contact Info: +019-3744779 (ChM Firdaus Aziz)
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Dr Tze Ping Loh

Senior Consultant and Research Director

He was born in Penang, Malaysia. He obtained his undergraduate medical degree from the Royal College of Surgeons in Ireland-Penang Medical College, and undertook his fellowship (Royal College of Pathologists, UK) training in chemical pathology at the National University Hospital and Singapore General Hospital.

He currently serves as Senior Consultant and Research Director at Department of Laboratory Medicine, National University Hospital, Singapore. His areas of interest include biomarker discovery and translational research, outcome research of established/ novel biomarker, pediatric general biochemistry and laboratory management.

Ms Low Hui Qi

Research Engineer

She is a highly skilled professional with a strong educational background in Data Science and Analytics, holding a Master's degree in the field from USM. She also holds a Bachelor of Science degree in Physics from the same institution. Currently, she is contributing her expertise as a Research Engineer at the Singapore Institute of Technology.

She has a passion for machine learning and data analytics, and she excels in translating numerical data to understand and solve complex problems. She is keen on leveraging her skills in statistical machine learning and data analytics to drive strategic business decisions. In addition to her data science skills, she also brings to the table technical skills as a software engineer.

Workshop Program

Time	Session	
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	