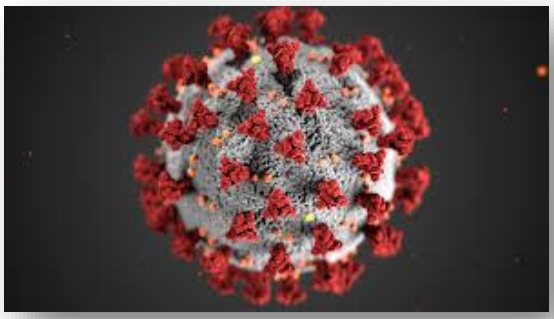
APFCB virtual workshop on Complete Guide on Laboratory Testing of COVID-19

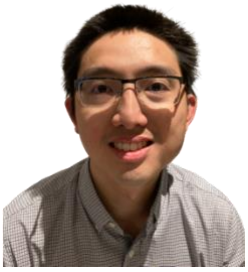


Registration Link: https://apfcb.org/registration.php

As the information of laboratory diagnosis and monitoring of COVID-19 in rapidly evolving with new information arising in daily basis, laboratory professionals need a constant update on the developments. Furthermore, many developing countries are struggling to meet requirements of appropriate testing not only because of lack of resources but also due to lack well-trained laboratory professionals on the molecular assays. To help lab professionals with appropriate guide in COVID-19 testing, APFCB committee for Education and Laboratory Management is glad to present a virtual workshop that contain a series of lectures from experts as a complete guide on Laboratory Testing of COVID-19. Certificate of participation will be provided to the participants after completion of the webinar. The complete list of presentations are as follows:

Lecture 1: Epidemiology and Clinical Aspects of COVID-19 Speaker: Ranjit Sah, Assistant Professor, Institute of Medicine, TU Teaching Hospital, Nepal Learning objective: Basic information on a brief history, viral structure, epidemiology and mode of transmission, pathogenesis, preventive measures, general management, and future challenges	
Lecture 2: General aspect of Laboratory diagnosis of COVID-19 Speaker: Tjan Sian Hwa, Head of Clinical Laboratory Department Premier Jatinegara Hospital, Jakarta, Indonesia Learning objective: Introduction to various laboratory tests available for diagnosis, who to test, specimens collections and preanalytical issues	

Lecture 3: Basic on molecular assays for the detection of SARS-CoV-2 Speaker: Rojeet Shrestha, Assistant Professor, Faculty of Health Sciences, Hokkaido University, Japan Learning Objective: Principle NAAT assay, RNA extraction and purification, qPCR, the technical guide on NAAT, reporting and interpretation	
Lecture 4: Technical guide to establishing a molecular diagnostics laboratory Speaker: July Kumalawati, lecturer, Clinical Pathology Department, Medical Faculty, Universitas Indonesia Learning objective: Steps for planning and building a molecular laboratory, Physical and equipment requirements and Designs	
Lecture 5: Method evaluation, validation and Quality control for NAAT of COVID-19 Speaker: Miswar Fattah, Indonesia Learning objective: how to evaluate method and validate the result of NAAT testing for SARS-CoV-2	
Lecture 6: Molecular POCT for COVID-19 Speaker: Donal Huda Nasil, National Public Health Laboratory, Malaysia Learning objective: Introduction and role of Molecular POCT, Challenges and Way forward	
Lecture 7: Serological testing for COVID-19 Speaker: July Kumalawati, lecturer, Clinical Pathology Department, Medical Faculty, Universitas Indonesia Learning objective: Seroconversion of SARS CoV-2 infection and possibilities of anti-SARS CoV-2 and SARS CoV-2 antigen detection usage	

Lecture 8: Biochemical monitoring of severe covid-19 and laboratory biosafety Speaker: Kay Weng Choy, Chemical pathologist, Northern Pathology Victoria, Australia Learning objective: Summarise what comorbidities are predictors of COVID-19 severity, how routine tests can support the management of patients with COVID-19 and how general biochemistry laboratories manage the pre-analytical, analytical and post-analytical processes to mitigate biohazard risks	
Lecture 9: IFCC Guidelines on Molecular & Serological Testing of SARS-CoV-2 and Biochemical Monitoring of COVID-19 Patients Speaker: Khosrow Adeli, President IFCC Learning objective: Summarize recent IFCC guideline on molecular and serological Testing of SARS-CoV-2