



19th PCQACL Annual Convention CONFERENCE BULLETIN

Pre-Convention Hybrid Workshop - September 7, 2022 | Main Convention - September 8-10, 2022

Redefining Global Challenges into Quality Laboratory Standard

DAY 2 • SEPTEMBER 9, 2022 • FRIDAY

The second day is full of learnings similar to the first day of the Convention. Ms. Debbie Sardinia served as moderator during the morning sessions which focused on the role of National Reference Laboratories (NRL) in laboratory standardization. Dr. Amado Tandoc of the Research Institute for Tropical Medicine (RITM) gave a brief introduction regarding the different roles that RITM plays in laboratory medicine and in dealing with concerns involving infectious diseases. He emphasized that standardization happens when laboratory test results have the same accuracy and precision across measurement systems, laboratories and over time. Such can only happen if there would be confirmatory testings, research, support to regulation, technology transfer and training. Ms. Josefina S. Soriano, Chief Medical Technologist of the National Kidney and Transplant Institute (NKTl) discussed the role of NKTl as the NRL for hematology, immunohematology, urinalysis, anatomic pathology for renal diseases and other unassigned organ systems, and cellular-based product testing. Though the implementation of National External Quality Assessment Scheme (NEQAS) programs was temporarily suspended for about a year during the height of the pandemic, the updates given highlighted that the NRLs were able to adapt to the changing times.



RITM continues to provide technical materials, guidelines and technical advise, resource persons (trainings, TWGs, crafting of DOH policies and standards)



The NKTl Medical Laboratory

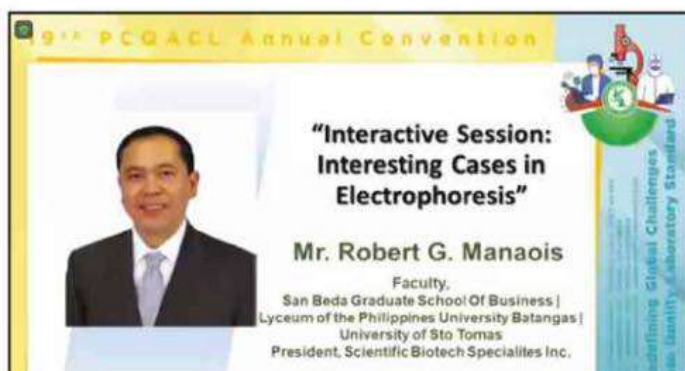
NKTl National Reference Laboratories

- ☐ NRL for Hematology
- ☐ NRL for Immunohematology
- ☐ NRL for Urinalysis
- ☐ NRL for Anatomic Pathology for Renal Diseases and other Unassigned Organ Systems
- ☐ NRL for Cellular-Based Product Testing

The afternoon session started with Mr. Robert Manaois' very interactive discussion of interesting electrophoresis cases. Hemoglobin variants may affect the HPLC measurements of HbA1c such as an underestimation while capillary electrophoresis is the only technology wherein HbA1c result is not affected by any Hgb variant. Elevated fetal hemoglobin on the other hand, makes an overestimation of the HbA1c using immunoassay, affinity and some ion-exchange methods.

The next talk was about Biofabrication in the hospital of the future where Dr. Roland Gilbert Remenyi shared his experience. Biofabrication is a relatively new technology that may be used for therapeutic and nontherapeutic indications. The next speaker, Dr. Lyana Setiawan gave updates regarding tumor marker analysis some of which included HE4, proGRP, NSE, CYFRA21-1 and CA72-4. We are reminded that no serum marker in current use is specific for malignancy. However, combination of tumor markers will increase sensitivity and specificity. Still related to tumors, Dr. Jasper Andal talked about the value of cell free DNA testing. Aside from its value in cancer patients, it may also be utilized for transplant and prenatal testing.

The next set of talks focused on the healthcare workers themselves specifically the medical technologists or medical laboratory scientists. Mr. Rommel Saceda, the current PAMET President, mentioned that to retain the Medical Technologists in our country, the right compensation should be given, good employee-employer relationship should be maintained, and different forms of benefits beyond the monetary should be provided. Dr.



"Interactive Session: Interesting Cases in Electrophoresis"

Mr. Robert G. Manaois

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CONTRIBUTORS:

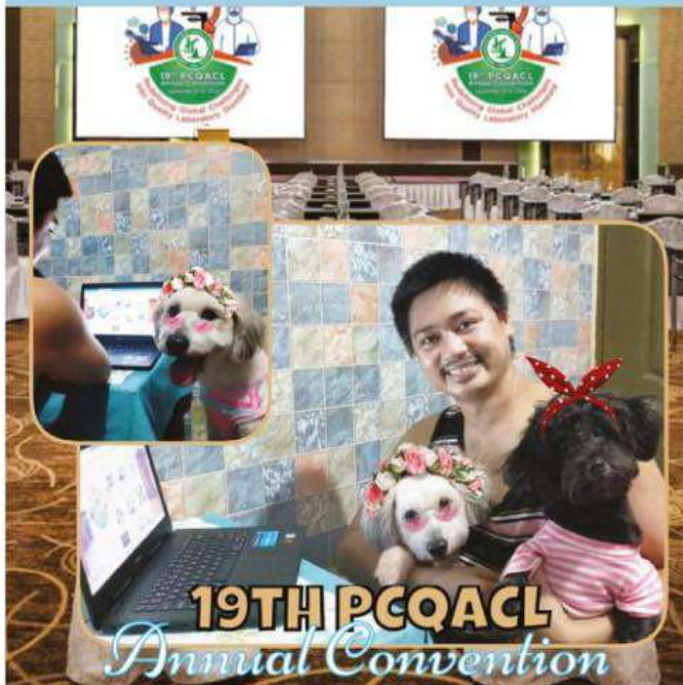
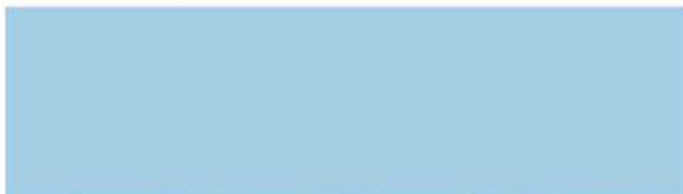
Dr. Anacleta P. Valdez | Dr. Marjorie Tubillo | Dr. Ross Bacong | Dr. Emil Bryan M. Garcia

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Alan Koa, the PSP President, emphasized that the scarcity of the laboratory professionals even before the pandemic has negative effects in terms of patient care, turnaround time, workload, and expenses. Atty. Josephine Fernandez, as the reactor, suggested possible solutions to prevent the mass exodus of the healthcare workers and find redemption while staying in the Philippines. To take good care of our bodies as healthcare workers, Ms. Hasmin Miroy mentioned the habits that we should develop so that we will have not only good physical condition but also a sound mind. Dr. Christian Flores, a Lifestyle Medicine physician, after contrasting good vs poor health, gave advices on how to achieve a healthy body for a lifetime.

To add more fun in the convention, a selfie challenge was held with the hashtags 19THPCQACLANNUALCONV and BESTCONVENTIONEVER. Prizes for the interactive discussions using Mentimeter were also given.



Cell-Free DNA

- Also known as: Circulating Cell Free DNA
- Discovered – 1948, Mandel and Métals
- Hematopoietic cells – source of cfDNA in “healthy” individuals
- Physiologic (pregnancy), pathologic conditions (cancers, autoimmune disorders, organ transplants) – additional cfDNA released
- Potential use: Blood, body fluids (CSF), Non-invasive biomarker testing (“liquid biopsy”)



DIASPORA ON THE FRONTLINES: A TALE OF LABORATORY PROFESSIONALS

DESIGN YOUR WORK/LIFE WITH HEALTHY HABITS

HEALTH