



WORKSHOP

Proficient Testing in Medical Laboratory – Improving Lab Quality Management

Participants:

Laboratory consultants, PT participants, PT providers, IVD partners, Laboratory physicians, Consultants, scientist, Lab technologists who are interested in learning the role of **Proficiency Testing in Medical Laboratory** and its implications.

Introduction:

Labs are performing centre stage for healthcare management and quality patient care where 60-70% of medical decisions are based on lab tests whether admission, diagnosis, prognosis, medication, or discharge. Proficiency testing is the evaluation of participant's performance against pre-established criteria by means of inter laboratory comparisons. Proficiency testing schemes vary according to the needs of the sector in which they are used, the nature of the proficiency test items, the methods in use and the number of participants. It may provide regular, objective and independent assessment of a participant's ability to provide an acceptable standard of service by comparison with peers. Thus, laboratory results are required to confirm the expectations for the quality required for patient care. It is also preferable that the competency of participating laboratory to be independently assessed through the process of laboratory accreditation. In order to appropriately validate the measurement capability of the participating laboratory, the uncertainty assigned to the artifact (PT item) by the reference laboratory should be sufficiently smaller than the expanded uncertainty reported by the participating laboratory. Thus, we developed a well-constructed PT awareness cum training plan that will help the laboratory & PT providers to meet quality and accreditation requirements.

Objective:

The main objective will be building the capacity training of laboratory personal & medical laboratories to meet the quality and accreditation requirements associated to technical scope with cost effectiveness of processes. To reflect current scientific or medical issues important to healthcare with framework for interchange of knowledge and expertise.

Expected Outcome:

Proficiency testing training for medical laboratories aims to enhance technical skills, ensure compliance with standards, reduce errors, and foster a culture of continuous improvement. Expected outcomes include improved accuracy, accreditation readiness, enhanced patient care, and sustained quality management practices for long-term success.

Workshop Faculties

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