P-117 - QUALITY ASSESSMENT IN INBORN INNATE OF METABOLISM IN CUBA

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**INTRODUCTION:** Inborn innate of metabolism are heterogeneous group of disorders, that may be inherited or may occur as the result of spontaneous mutation. The biochemical diagnosis of these diseases includes the detection of different metabolites in biological fluids. In Cuba, the National Center of Medical Genetics performs the biochemical diagnosis and follow up of patients with these diseases. The assurance of quality plays an important role in all genetic services, include the biochemical laboratories. In health, the implementation of quality management system helps to improve process development, to minimize mistake in assistance practice and to increase the safety and satisfaction of clients.

**OBJECTIVE:** The aim of this work is to present recommendations and strategies to insure quality result and increased patient satisfaction.

**METHODS:** We designed different strategies related with document control, external quality assessment, internal quality control, internal audit, management review and bioanalytical method validation in inborn innate of metabolism laboratories. **RESULTS:** We implemented various documents such as standard operating procedures, log work, validation and training files. Besides, we establishment external and internal quality controls for the analytical process. The internal audits were considered as a review process to improve the system conducted by the laboratory. We defined quality indicators, turnaround times, and corrective actions for continual improvement.

**CONCLUSION:** Implementing of strategies for quality assessment will allow us to offer more reliable and robust services in the diagnosis of inborn innate of metabolism. Also, this system will increase the satisfaction for the patient and their family.