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Maldives Allied Health Council

Ministry of Health, Male', Republic of Maldives

Scope of practice for a Clinical Biotechnologist

Clinical biotechnologists are allied health professionals who are qualified by academic and applied science education to provide service and research in the molecular diagnosis of acquired, inherited, and infectious diseases.

They have diverse and multi-level functions in the areas of analysis and clinical decision-making, information management, regulatory compliance, and quality assurance/performance improvement.

Clinical biotechnologist performs, develop, evaluate, correlate, and assure accuracy and validity of laboratory testing and procedures and collaborate in the diagnosis and treatment of patients.

They are expected to perform only the clinical laboratory tests for which they are competent through training practice skills and theoretical knowledge.

Educational requirements: A minimum of a Bachelor's degree in clinical biotechnology which includes clinical microbiology, clinical immunology, infectious diseases, molecular genetics, clinical biochemistry and practicum on equipment and laboratory procedures.

Scope of practice for a clinical biotechnologist is as follows.

1. Preparing and testing samples for DNA. These samples may include tissues, blood, bacteria cultures and living organisms
2. Follow national and institutional protocols regarding the custody of sample, testing procedures, and reporting guidelines
3. Document and report, when the sample was received, the quality of the sample, the tests performed, and the test results
4. Appear in court as expert witnesses to verify the findings of a particular DNA analysis.

5. Set up instruments and laboratory equipment used to conduct and monitor experiments relevant to the area of work.
6. Perform routine maintenance and quality control checks. Maintain each piece of equipment, check for damages, and request replacement equipment as needed.
7. Under supervision assist Medical Laboratory Professionals in conducting clinical laboratory tests within competence
8. Work in adherence to national and institutional biosafety standards

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