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The Impact of International Standards and Accreditation on Asia-Pacific Medical Laboratories

The accreditation process and compliance with global standards are integral to clinical laboratories. Consistency of processes for quality management systems and continuous improvement ensures dependable and precise test results. Accreditation cultivates a culture of quality and safety through risk management, employee development, process improvement, and patient care. As a result, laboratories stay internationally competitive, and they further enhance collaboration. In the framework of international standards, accredited laboratories are competent in the global context, so they stand out in regulatory compliance mandates and public confidence in the health care system. In a technology-driven world, accreditation and international standards foster the clinical laboratory's innovative services, research, and stronger patient care. Different cultural and economic conditions in the region pose barriers to the accreditation of clinical laboratories in developing countries like Myanmar in the Asia-Pacific region. Because of inadequate qualified personnel, modern equipment, and reasonable funding, meeting international standards can be difficult. While having limited infrastructures, resistance to change is also significant. However, accreditation is still a critical goal for enhancing laboratory standards and patient care apart from inadequate infrastructure, opposition to change, and complicated regulatory environment processes.



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Targeted investments in infrastructure technology, teamwork, and training are needed to meet these challenges as is increased cooperation between governments accrediting organizations, and healthcare facilities. The laboratories in the Asia-Pacific region can improve operational efficiency and support international healthcare standards by overcoming these obstacles.

Keywords: international standards and accreditation, quality management system, internationally competitive

