

MEDICAL DEVICES MANAGEMENT STRATEGY IN THE REPUBLIC OF MOLDOVA

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Ensure the implementation of citizens' rights to quality health services remains to be a priority in the contemporary medical institution activity. The quality services is dependent on the material-technical basis, including the endowment with medical devices / equipment, as well as professional competence of the staff involved (human factor). [1,2]

The assessment in field of global experience demonstrated that the advanced medical devices represent the indispensable part of medical act in the prevention, correct diagnosis and treatment of diseases. In priority, the efficient use of medical devices implies increasing the number of investigations and effective and quality treatment.

The medical devices management has become a priority in health policy in many countries, many studies proving that, by means of coherent policies in this field, it has been obtained the improvement the cost / effectiveness ratio of the advanced medical technology use, the increase of patient safety and the enhancement of quality the medical act. The degree of endowment of medical institutions with performance medical devices / equipment and the ensure an adequate level of professionalism of medical staff represent key tools in ensuring the proper functioning of the health system and exert a direct impact on operational effectiveness of the system, on the quality of service and satisfaction level of the beneficiary.

The Strategy of Medical Devices Management enrolls in the objective of restructuring the health system that was initiated in the last ten years, starts from the identification of priority issues existing and outlines the ways of addressing and intervention, which will ensure better results for health system performance of population, including in the situation of limited resources in the conditions of a consistent and appropriate implementation.

The objective of the strategy is to improve the human health by providing of accessible and high quality health services having as aim to improve the medical devices management and to maintain a high level of performance and security of medical devices from the medical institutions.

The strategy has the following objectives:

- Adjusting the normative framework from the field of medical devices at EU requirements and WHO recommendations;
- Streamlining of medical devices management system based on skills, so that by the end of 2020 the average lifetime of medical devices will be reduce to 15 years; reduced the average downtime to 5 hours in the case of faults the medical devices; during of use of medical devices will touch 90% rate from potential; and to 2020, 90% of PMI will be equipped according to the new endowment standards;
- To fortify the manager's capacities and medical and technical staff's capacities from medical institutions, in MDM field, through the modernization of vocational and continuous training, so that by the end of 2020 100% of staff involved in MDM will be a suitable training.

The action Plan on implementation of the Strategy represent the basic tool to systemic and continuous achieve of Strategy provisions, including all the components, specific objectives, planned actions, performance indicators, financing sources, deadlines for enforcement and those responsible for implementation.

The plan includes actions for medium term and is flexible, allowing the operation of changes based on the change of circumstances and the appearance of the possible problems in the implementation of the Strategy.

The development and implementation of the Strategy is based on a systematic approach to health system reform, correlated with the vector of socio-economic development and of European integration of Republic of Moldova. This approach determines the advantages of Strategy, thanks their so will cause a significant impact on the quality and efficiency of provided medical services:

- Improving the human health by maintaining a high level of performance and security of medical devices from medical institutions and the provision of accessible health services and high quality.
- Connecting the normative framework from the medical devices field at EU requirements and WHO recommendations and the needs and requirements of the national health system;
- Forming the institutional system of medical devices management by creating the models and procedures for the medical devices management according the international standards and requirements of the producers;
- Forming the education system in the biomedical engineering field that will be flexible to the changing trends of medical technologies adjusted at EU requirements and WHO recommendations.

[1] SONTEA V., WERLEIN R., ZAUGG C. Health Technology Management in the Republic of Moldova. Realizations and Perspectives. In. *Proceedings of the 2 International Conference on Nanotechnologies and Biomedical Engineering (ICNBME-2013)*. Chisinau, Moldova, April 18-19, 2013, pp.656-658. ISBN 978-9975-62-343-8

[2] SONTEA, V.; STRATULAT, P.; WERLEIN, R. Health technology management. *Proceedings of the International Conference on Nanotechnologies and Biomedical Engineering (ICNBME-2011)*, Chisinau, Moldova, July 7-8, 2011, pp.248-251. ISBN 978-9975-66-239-0