

Pre-analytical quality in hematology

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Abstract

The pre-analytical phase is an important stage in the laboratory, which has a repercussion on the analytical and post-analytical phase. It consists of different steps that start from the identification of the patient to the introduction of the sample in the analysis process. It is a series of steps represented by the preparation of the patient, the realization of the sampling, the conservation and transport, the reception in the laboratory, the selection and the sample's analysis.

This phase is under the responsibility of the medical staff who must put in place the necessary means for its realization, which allows to reduce the risk of pre-analytical errors affecting the analysis.

The analyses carried out in the hematology laboratory consist the evaluating of different blood elements (red blood cells, white blood cells, platelets), which makes it possible to carry out a screening, a diagnosis, a therapeutic choice, a follow-up and an evaluation of the prognosis.

For this purpose, the optimal care of patients is attributed to a good quality sampling, which must be included in the recommendations of regulatory quality standards (GBEA) or normative (ISO 9001 standards for certification, or ISO 15189 for accreditation) and can the majority of pre-analytical artifacts, and thus guarantee the reliability of the reliability of both quantitative and qualitative data.

Proper application of the rules reduces all the factors that can influence the result of a sample before analysis, namely defective biological samples are costly in terms of time, personnel, material and procedures.

Biography

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Merci bcp
