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**MODERN METHODS OF MEDICAL DATA STANDARDIZATION**

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Internal medicine No 1

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Data standardization is an important process of generalizing data into a format that allows for international research, large-scale analytics, and rapid sharing of various tools and methodologies. Collecting and analyzing a common set of medical data enables clinical research, improves direct patient care and ensures transparency in healthcare financing.

We analyzed more than 50 scientific articles, documents and information sources. The analysis covers the period from 2010 to 2024. The selection of sources was aimed at studying current trends in the standardization of medical data and their implementation in the healthcare system at the international and national levels.

The issue of medical data standardization is extremely relevant and actively discussed among the leading institutions of the global medical community. As of today, the standards already implemented in the field of healthcare are: International Classification of Diseases (ICD); Systematized Nomenclature of Medical Clinical Terms (SNOMED-CT); universal standard for identifying medical laboratory observations LOINC; Health Level Seven International®; US-specific terminology of drugs RxNorm; list of digital images and communications in medicine (DICOM); International Standard Classification of Occupations (ISCO); standard for defining the coding, structure and semantics of clinical documents Clinical Document Architecture (CDA); electronic medical record systems with standard complaints and medical documentation; standards for servicing medical devices; Anatomical Therapeutic Chemical (ATC) classification system; Fast Healthcare Interoperability Resources® (FHIR); a standard for the structure of tables for storing data obtained during preclinical studies and human clinical trials, and Study Data Tabulation Model (SDTM). The next step in implementing standardization of the format and content of medical data is undoubtedly the use of standardized medical terminology. The National Committee on Vital and Health Statistics (NCVHS) formally recommended five medical terminology resources for use in federal health programs: SNOMED CT, LOINC, RxNorm, the National Drug File Clinical Drug Reference Terminology (NDF RT), and the Food and Drug Administration (FDA) terminology sets

Standardization of medical data significantly improves the quality of medical services, improves the level of safety and health protection of the population, and contributes to the socio-economic development of society.

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**ION-ELECTRO-NANO-TORSION INSTALLATION**

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One of the innovative methods of treatment is ion-ion, electro-nano-torsion branch of medicine. This method is based on the use of energy effects on the human body, which are regulated by ozone and ions of different polarities. All this is of great practical importance in healthcare and environmental ecology.

A model of the "POLYGRAN" technique was built for the study. The system is based on the engineering principle of the golden ratio. The system has an ozonator with all built-in parts, including a jet compressor and filters for microleptons and help to give energy to objects. The installation will be related to water and its properties of conducting electricity and recording medicinal properties.

20% oxygen is supplied to the ozonator, the system is powered by an electrical network, and we theoretically have 2-3% oxygen remaining at the outlet. The remaining percentage is oxides and impurities. They kill bacteria, but remain in the body. However, our system fixed this issue. We used certain portions for pure ozone.

Ozone is a strong oxidizing agent that kills all living things, but with a certain amount of it, the expected effect can be controlled. This is of great importance for medicine, since dosed ozone neutralizes certain bacteria in the body and accelerates the regeneration of patients. since there are atomic and molecular particles in the body, they will differ in molecular weight. Harmful bacteria have a lower mass, and therefore the system will strive to destroy them in accordance with the law of physics along the path of least resistance. The torsion field generated by the compressor inside the installation will create microleptons of the required charge. microleptons give rotation to vital particles in the body, transferring energy to them. The water will be used for the technology of recording medicinal properties. it conducts electricity easily and will be filtered after each use. This system is unique: It affects all branches of physics(elementary physics, electricity, quantum physics) and has no analogues in the world. but the biggest advantage is the potential of this installation. It is applicable in ecology for growing medicinal herbs, harvesting high-quality crops, pharmacy, medicine and dentistry. The system can be upgraded using additional components. For example, the elements of the periodic table. Water can be replaced with shungite and its medicinal properties can be recorded. Then convert it into souvenirs: bracelets, shampoos, and so on.