

## 14. ELECTROPHORESIS – REHABILITATION THERAPY IN POST-COVID TREATMENT

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**Introduction.** Currently, in medical practice, there are many physiotherapeutic procedures that help to accelerate the recovery and rehabilitation process of internal organs diseases. One of the most efficient treatments with a beneficial effect on a patient's conditions is the electrophoresis. It has a therapeutic effect due to the penetration of medicine through skin and mucous membranes. The essence of electrophoresis is reduced to the fact that the drugs enter the tissues in the form of charged particles through the intercellular spaces, sweat ducts, and sebaceous glands. Thus, physiotherapy is a field of medicine that, both alone and in combination with other treatment methods allows the treatment of a huge range of diseases.

**Aim of study.** The study of rehabilitation services, analysis of electrophoresis services and physiotherapeutic procedures based on gender, conducted in the University Center for Medical Rehabilitation (rehabilitation department) in order to select the most frequent rehabilitation methods (procedures), in complications after coronavirus infection (Covid-19).

**Materials and methods.** The materials for this study include the medical and pharmaceutical bibliographic sources, as well as the registries on the provision of medical services in the University Center for Medical Rehabilitation of SUMP "Nicolae Testemitanu". The study used materials from the period 01.01.2021 to 31.12 2021, in which 838 primary patients requested medical assistance (female-572; male-266), benefited from the consultation of the rehabilitation specialist, and were prescribed recovery treatment through kinesiotherapy, massage, and physiotherapy.

**Results.** Based on the fact that the years 2020-2021 were pandemic years, a very large number of the population suffered from coronavirus infection (Covid-19), and the demand in rehabilitation centers increased due to post-covid complications. Thus, the University Center for Medical Rehabilitation conducted an analysis of the provided medical services, the physiotherapeutic method - electrophoresis being the most effective method prescribed by the rehabilitation specialists. The share of electrophoresis for 2021 proved to be twice as high as in previous years. According to the registry presented during 2021, 37,373 procedures were performed: kinesiotherapy - 13,393; massage- 7,075; physiotherapy- 16,905. The records of the number of medical services provided in outpatient care during 2021 show a total of 40,993 out of which: nervous system pathology - 15,205; locomotor system pathology- 23,695; respiratory system pathology- 2,093.

**Conclusion.** A study on the provision of rehabilitation services was conducted in the University Center for Medical Rehabilitation from Chisinau in order to select the most frequent methods (procedures) for post-covid patients' recovery.