



Improving The Quality and Effectiveness of Treatment of Patients with Dental Anomalies

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ABSTRACT

Improving the quality and effectiveness of treatment of patients with dental anomalies by improving the activities of dental technicians in modern conditions. It consists in the fact that the data of timekeeping and calculation of material consumption can be used in practical healthcare to calculate the norms of time in the manufacture of removable orthodontic devices; determining the cost of laboratory stages of their manufacture; the cost of orthodontic devices.

Keywords:

Dental Anomalies, The Activities Of Dental Technicians, Removable Orthodontic Devices

The provision of qualified orthodontic care to the Russian population is a priority in the context of the growing prevalence of dental anomalies in recent years. With a rapid increase in the number of requests from patients with malocclusion of the dentition, the volume of work performed increases. These changes have an impact on the quality and productivity of the work of orthodontists and dictate the need for periodic study and scientific justification of key aspects of the work of specialists in this profile in modern conditions. The efficiency of the orthodontist is directly related to the level and quality of the dental laboratory. Over the past decades, the dental services market has seen significant changes in the methods of orthodontic treatment, technologies and materials, as well as in the types of orthodontic devices used by orthodontists in their practice [1.3.5.7.9.11].

Improving the labor efficiency of dental technicians is a leading factor in the

development and competitiveness of the dental laboratory (Kisin A.A., Arutyunov S.D., Butova V.G. 2004). The current regulatory legal framework regulating the activities of dental technicians 5 (orthodontists) was formed many years ago and should be updated and supplemented in accordance with modern approaches (Alimova M.A., Gubin M.A. 2004). In 1998, L.S. Persin pointed out the need for the development of dental technology in orthodontic practice, justified the need to create specialized courses and faculties in medical schools in order to improve the skills of dental technicians (orthodontists), taking into account the specifics of the specialty, but this problem has not been further developed and remains unresolved. In the conditions of a constantly developing and changing specialty, there is an urgent need to process many aspects in the organization and management of an orthodontic service, financing conditions and

economic justification of the cost of services provided [2.4.6.8.10.12.14.16].

Over the past 20 years, new standards have been developed for the admission of patients of orthodontic departments, the calculation of the cost of 1 UET of an orthodontist has been developed (Belykh A.M. 2001, Narykova A.Yu. 2015). In this regard, the standards of labor intensity of dental services should be reviewed every 2-3 years in order to objectively assess the volume of work of specialists, and the regulatory legal framework for the organization of orthodontic care to the population requires study and updating [13.15.17.18.19.21.23.26]. This was the basis for this study.

The aim of the study is to improve the quality and effectiveness of treatment of patients with dental anomalies by improving the activities of dental technicians in modern conditions.

It consists in the fact that the data of timekeeping and calculation of material consumption can be used in practical healthcare to calculate the norms of time in the manufacture of removable orthodontic devices; determining the cost of laboratory stages of their manufacture; the cost of orthodontic devices. The differences in the organization of dental technicians' activities in dental laboratories of various forms of ownership are revealed, the factors influencing the rationing and labor productivity are determined. Scientifically based norms of time and materials consumption in the manufacture of orthodontic devices for the treatment of patients with HFA have been developed [20.22.24.27.29.31.33.35.37].

The necessity is justified: the introduction of the position of dental technician (orthodontist) in the nomenclature of specialties; the development of an educational standard to improve the level of education and qualifications of dental technicians (orthodontists); improving the material and technical equipment of dental laboratories of state ownership. Special attention is paid to the characteristics of impression materials. Currently, various chemical composition and properties of impression masses are produced,

having positive and negative qualities that allow it to be used in various cases. The doctor should have at his disposal a number of impression masses, including for children, in order to choose the one that best suits the tasks.

No less important at the laboratory stages of the manufacture of orthodontic devices are crystallizing materials - gypsum, as well as modeling materials - waxes used for the manufacture of bases of orthodontic devices.

Thus, due to the availability of a large selection of modern dental materials, it became necessary to analyze the equipment of medical organizations of various forms of ownership [25.28.30.32.34.36].

Research results and their discussion. In accordance with the purpose and objectives of the study, a complex of clinical, economic, organizational, sociological, statistical and other research methods was used. These methods were based on the development of sources for collecting primary information (timekeeping cards, questionnaires, medical records of an orthodontic patient), which allows developing measures to improve the effectiveness of dental laboratories, including those using modern technologies.

A research plan and program have been drawn up. The plan provided for the implementation of the preparatory organizational stages of the study: the provision of documents for the collection of primary information (questionnaires), as well as the study of regulatory legal documents regulating the work of dental laboratories.

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