



MONITORING OF CLINICAL PARAMETERS IN PEDIATRIC DENTISTRY - EMPIRICAL REQUIREMENT IN MODERN DENTISTRY

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Introduction.

The vast majority of dental procedures can cause stress and systemic disorders in both adults and children. Continuous monitoring of clinical parameters of hemodynamic and respiratory status with monitoring techniques and devices is an indispensable requirement of contemporary dental treatments.

Aim of the study: to review the need to use devices and practices for monitoring the parameters of hemodynamic and respiratory status during dental treatment in children.

Material and methods. The research is based on the analysis of publications from the scientific data bases of the national and international library from 2014-2022. The publications were searched in the online data bases PubMed, MedLine, Google Scholar, SCOPUS, Hinari and Scihub. All publications on this topic were included in this study.

Keywords: monitoring, vital parameters, pulse oximeter, pre-tracheal stethoscope.



Results. Current data from the literature demonstrate the need to use devices to monitor the parameters of hemodynamic and respiratory status during dental treatment in children. Anxiety and stress, common phenomena in dental practice are major risk factors that can affect the vital parameters of patients.



Conclusion. Depending on the severity of the procedures, during the dental treatment in pediatric dental practice, different techniques and devices for monitoring vital parameters are recommended.

- In descending order, they include:
- trained staff,
- blood pressure monitoring,
- pulse oximeter,
- ECG,
- pre-tracheal stethoscope.

