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СБОРНИК МАТЕРИАЛОВ

международной научно-практической конференции



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СБОРНИК МАТЕРИАЛОВ  
международной научно-практической конференции  
«БОЛЕЗНИ СОВРЕМЕННОЙ ЦИВИЛИЗАЦИИ:  
МЕЖДИСЦИПЛИНАРНЫЕ ИССЛЕДОВАНИЯ»

## PERIODONTAL DISEASE AND ITS DEVELOPMENT IN THE CASE OF EMPLOYEES OF CHEMICAL SHOPS

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These chemical compounds cause various damage to the body of workers, especially the tissues of the oral cavity and teeth. As a result, the clinical course of the pathological process in the mucous membrane of the oral cavity and the hard tissue of the tooth leads to the study of its normal state.

**The purpose of the study.** Study of periodontal disease and its development on the case of employees of chemical shops.

**Research materials and methods.** We selected 40 employees working in paint shops and 18 employees who were not in contact with various paints (control group) as research objects. We divided the employees of the paint shops into 2 groups: female and male employees. We studied the employees of the working group based on the information of the medical card «Employees' primary dental examination card» maintained by the company's nurse.

**The results of the study.** As a result of the studies, it was clear that the percentage of periodontal diseases in the employees of paint shops was higher in female employees than in male employees. Along with periodontal disease, workers of paint shops also suffered from leukoplakia,

stomatitis, and various inflammations in the oral cavity. For example, periodontal diseases were found in 11 (27.5%) employees with up to 4 years of work experience in paint shops, among them (5 male employees, 6 female employees). Also, periodontal diseases were found in 14 (35%) employees with 7 years of work experience in paint shops, among them (6 men and 8 women). In the control group, it was observed in 5 employees (27.7%). As a result of the employees, «Employees' primary health card» and observations, it became clear that 30 (75%) of the employees with 9 years of work experience had periodontal diseases, of which (11 men and 15 women) were employees. It was observed in 7 employees (38.8%) in the control group.

### Conclusion.

1. As a result of observations, it became clear that periodontal diseases are more common in women than in men.

2. Not only periodontal disease, but also inflammation of the oral cavity, leukoplakia, and stomatitis were found in certain percentages among the employees of paint shops.

## PHONETIC ADAPTATION OF PATIENTS AFTER ORTHOPEDIC TREATMENT TO FULL REMOVABLE DENTURES

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Defects in sound pronunciation adversely affect the quality of human life, especially on persons whose profession is associated with increased speech load. Considering the individuality of the organism of each person, it is impossible to subordinate the processes of restoring speech and adapting to a new structure in the oral cavity to a single plan, so the problem of phonetic adaptation will be relevant for a long time to come.

**Purpose of the work:** to evaluate the dynamics of speech function recovery and adaptation to complete removable dentures in patients with complete absence of teeth using the technique of palatography and phonetic tests. Materials and methods:

The material of the study was 18 patients aged 45-85 years who were treated at the Dental Polyclinic in Andijan in the period from 2021 to 2022. For them, complete removable dentures were made for one of the jaws. The absence of pain syndrome and stabilization of prostheses during conversation were also considered. We used the method of palatography, which can be used to clarify the width and shape of the dental arches, setting the anterior teeth in the vestibulo-oral direction, modeling the palatal surface of the teeth in their cervical part. We used a temporary hard base, which restored

the relief of the hard palate, reinforced with wax, with an artificial dentition.

**Results of the study:** Among the examined patients, middle-aged patients (45 - 59 years) - 23.6%, elderly (50 - 74 years) - 28.2% and senile patients (75-85 years) - 48.2 applied for orthopedic treatment %. There were 2 groups of patients: experimental, to which the method of palatography was applied, and control. Prosthesis correction was carried out together with phonetic tests. It can be seen from it that if on the day the prosthesis was placed, almost all the subjects had problems with pronunciation, then the situation improves subsequently. In the experimental group, compared with the control group, recovery is faster.

**Conclusion:** Constant monitoring of the patient and timely correction of the orthopedic structure improves the prognosis of speech adaptation and has a positive effect on the time frame required for recovery. The use of techniques such as palatography in conjunction with phonetic tests makes it possible to eliminate errors in the modeling of the structure and prevent possible complications. At the clinical stages, the active phonetic participation of the patient contributes to its accelerated adaptation to complete removable dentures.

## PREGNANCY OUTCOMES IN PATIENTS WITH COVID 19

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It has been almost 2 years since the global pandemic COVID-19 started. How does Covid-19 affect perinatal outcomes? There are still few data on this question in the literature. Especially as the effects of COVID 19 on perinatal outcomes should be considered from two perspectives: firstly, to trace and study the development of pregnancy complications: miscarriage, preterm birth, perinatal mortality, development of pre-eclampsia, low birth weight. Secondly, to study the incidence of malformations and foetal distress

associated with COVID 19. One large study conducted in Barcelona showed that, compared to uninfected, pregnant women with COVID-19 symptoms had higher rates of preterm delivery and distress syndrome (7.2% vs 16.9%,  $p=0.003$ ) and (9.1% vs 19.2%,  $p=0.004$ ) respectively. However, there is evidence of vertical transmission from mother to foetus (12), but there is no evidence that the virus has teratogenic properties. In our experience at a specialist hospital for covidinfected pregnant and parturient women,



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