

SCI-CONF.COM.UA

EUROPEAN CONGRESS OF SCIENTIFIC ACHIEVEMENTS



**PROCEEDINGS OF V INTERNATIONAL
SCIENTIFIC AND PRACTICAL CONFERENCE
MAY 20-22, 2024**

**BARCELONA
2024**

EUROPEAN CONGRESS OF SCIENTIFIC ACHIEVEMENTS

Proceedings of V International Scientific and Practical Conference

Barcelona, Spain

20-22 May 2024

Barcelona, Spain

2024

UDC 001.1

The 5th International scientific and practical conference “European congress of scientific achievements” (May 20-22, 2024) Barca Academy Publishing, Barcelona, Spain. 2024. 474 p.

ISBN 978-84-15927-35-8

The recommended citation for this publication is:

Ivanov I. Analysis of the phaunistic composition of Ukraine // European congress of scientific achievements. Proceedings of the 5th International scientific and practical conference. Barca Academy Publishing. Barcelona, Spain. 2024. Pp. 21-27. URL: <https://sci-conf.com.ua/v-mizhnarodna-naukovo-praktichna-konferentsiya-european-congress-of-scientific-achievements-20-22-05-2024-barselona-ispaniya-arhiv/>.

Editor

Komarytskyy M.L.

Ph.D. in Economics, Associate Professor

Collection of scientific articles published is the scientific and practical publication, which contains scientific articles of students, graduate students, Candidates and Doctors of Sciences, research workers and practitioners from Europe, Ukraine and from neighbouring countries and beyond. The articles contain the study, reflecting the processes and changes in the structure of modern science. The collection of scientific articles is for students, postgraduate students, doctoral candidates, teachers, researchers, practitioners and people interested in the trends of modern science development.

e-mail: barca@sci-conf.com.ua

homepage: <https://sci-conf.com.ua>

©2024 Scientific Publishing Center “Sci-conf.com.ua” ®

©2024 Barca Academy Publishing ®

©2024 Authors of the articles

TABLE OF CONTENTS

VETERINARY SCIENCES

1. *Самойленко О. С.* 12
ВПЛИВ ЛЮДИНИ НА ПСИХОЛОГІЧНИЙ РОЗВИТОК
ТВАРИНИ

BIOLOGICAL SCIENCES

2. *Головатюк Л. М., Ніколайчук М. В.* 15
РОЛЬ ОСВІТНЬОГО СЕРЕДОВИЩА У ФОРМУВАННІ
ЗДОРОВОГО СПОСОБУ ЖИТТЯ УЧНІВ
3. *Настека Т. М., Коваль А. О., Маркелова В. А., Самкова А. М.* 20
РОЗПОВСЮДЖЕННЯ ТА СЕРЕДОВИЩЕ ІСНУВАННЯ
СУКУЛЕНТНИХ РОСЛИН. ПРИСТОСУВАННЯ ДО
НЕСПРИЯТЛИВИХ ПОСУШЛИВИХ УМОВ
4. *Ропне-Тенеїшвілі О. В., Пересада Є. А.* 25
ДОСЛІДЖЕННЯ ДЕЯКИХ МІСЦЕЗРОСТАНЬ ПОПУЛЯЦІЙ
ПУХІВКИ ПІХОВОЇ (*ERIOPHORUM VAGINATUM L.*) НА
ТЕРИТОРІЯХ УКРАЇНИ (ХАРКІВСЬКІЙ, СУМСЬКІЙ,
ЗАКАРПАТСЬКІЙ, ЧЕРНІГІВСЬКІЙ, ЖИТОМИРСЬКИХ
ОБЛАСТЯХ ЗА ПЕРІОД 2013-2023 РР.)

MEDICAL SCIENCES

5. *Fastovets I., Khrapach V.* 34
FEATURES OF THE FORMATION OF RHINOPLASTY AS A
METHOD OF RESTORATION OF THE SUPPORT STRUCTURE OF
THE NOSE
6. *Mochalov Iu., Kulynych M., Vakhrusheva T.* 41
TO THE PROBLEM OF BONE TISSUE VOLUME INSUFFICIENCY
FOR SUCCESSFUL DENTAL IMPLANTATION
7. *Pokotylenko M., Statkevych L.* 44
INNOVATIVE METHODS OF ACNE TREATMENT:
DISCOVERIES AND PROSPECTS
8. *Soloviuk O. O., Nazarenko O. V., Soloviuk O. A.* 48
PATHOGENETIC ROLE OF OMENTIN IN THE DEVELOPMENT
OF CHRONIC DIABETIC COMPLICATIONS
9. *Yanishen I. V., Andrienko K. Yu., Kyselov M. V.* 52
METHODS OF FORMING THE PROSTHETIC PLANE
DETERMINING THE CENTRAL RELATIONSHIP IN CASE OF
ADENTIA
10. *Гаврилов А. В., Нартова А. В.* 56
ПСИХОЛОГІЧНІ АСПЕКТИ ЛІКУВАННЯ ДИТЯЧИХ
ІНФЕКЦІЙНИХ ЗАХВОРЮВАНЬ: СТРЕС, АДАПТАЦІЯ ТА
ПІДТРИМКА

METHODS OF FORMING THE PROSTHETIC PLANE DETERMINING THE CENTRAL RELATIONSHIP IN CASE OF ADENTIA

Yanishen Igor Volodymyrovych,

MD, Professor ORCID: 0000-0003-4278-5355

Head of the Department of Orthopedic Dentistry,

Andrienko Karina Yuriyevna,

head of the student scientific group

PhD, Associate Professor ORCID: 0000-0002-5453-6834

Associate Professor at the Department of Orthopedic Dentistry,

Kyselov Mykyta Vadymovich,

student of 3rd course of Dental Faculty,

Kharkiv National Medical University, Kharkiv, Ukraine

Background. In improving the quality of complete removable prostheses, during their manufacture, a lot depends on the experience of the doctor, the most complete consideration of the personality and individual characteristics of the person receiving the prosthesis, as well as the application of the most accurate and effective methods in the clinical and technical stages of work [1].

When using the generally accepted method of determining the central relationship of edentulous jaws, one of the important points is the formation of the prosthetic plane, which is the main reference point for installing artificial teeth. The direction and curvature of the tooth rows in the sagittal to transversal direction when setting the teeth and the position of each tooth relative to the plane depends on its position relative to the nasolabial line [2].

The formation of the prosthetic plane contributes to the creation of a balanced occlusion, which is characterized by multiple contact of the tooth rows both in the central occlusion and during the movements of the lower jaw, which is a component of success in treatment with complete removable prostheses. Most authors believe that the prosthetic plane is parallel to the Kamper horizontal [3].

After determining the level of the prosthetic plane in the frontal area, taking into account aesthetic and functional factors and making the roller parallel to the pupil line, the side segments of the rollers are formed parallel to the Kamper

horizontal. Literature data for this recommend two lines, according to the traditional method, the line of M. A. Napadov and O. L. Sapozhnikov [1, 2, 3]. It should be noted that at the same level as the above-mentioned devices, the device for determining the prosthetic plane of I. I. deserves attention. Zmiyov, which became the basis of our research. [4]

Goalour research consisted in carrying out a comparative assessment of the accuracy of the formation of the prosthetic plane during complete removable prosthetics using rulers and the apparatus of I. I. Zmeiov.

Materials and methods. Clinical observation was carried out on 52 patients with complete absence of teeth aged 55 to 76 years (average age 62.3 ± 4). During the formation of the prosthetic plane, a comparative assessment of its parallelism to the Kamper horizontal was carried out using three methods, namely: two rulers, Napadov's ruler, Sapozhnikov's ruler and Zmiyov's apparatus.

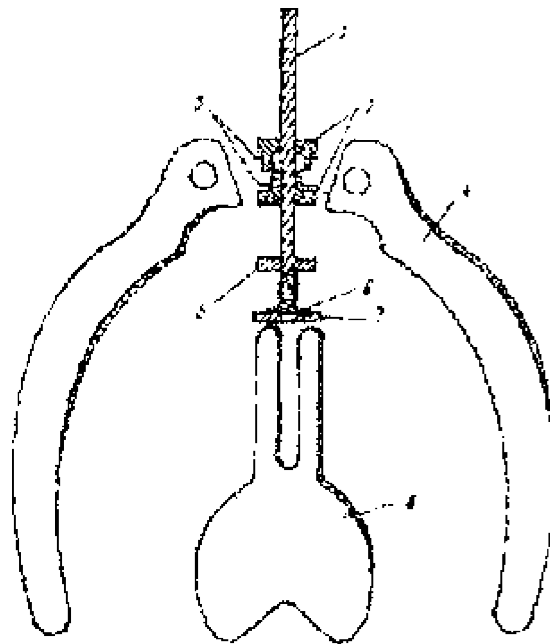


Fig. Scheme of the apparatus of I.I. Zmeiov.

- 1 - rod; 2 - connecting coupling; 3 - washer; 4 - nose-up lines; 5 - rod stop;
6 - puck; 7 - fixing washer; 8 - occlusal plate.**

The first technique was to use a spatula and a ruler when constructing a prosthetic plane. The second is in the application of the Napadov and Sapozhnikov device and the ruler. Two wax templates were made for the upper jaw to perform

both techniques. In this case, parallelism was evaluated visually. The third technique using Zmiyov's apparatus (Fig. 1) - controlled the parallelism of the defined prosthetic planes to the Kamperov horizontal.

A thin rubber ring was put on the patient's head, which passed along the face along the lower edge of the wing of the nose and the middle of the bridge of the right and left ears. Thus, the Kamper horizontal was marked on the face on both sides. In relation to it, previously constructed prosthetic planes were evaluated according to the first and second methods. The angle formed between the nasolabial rulers of Zmiyov's apparatus and the Kamperov horizontal (when they are not parallel) was measured using a protractor.

Results and discussion. Carrying out the first two methods in the specified sequence on the same patient and controlling their results with the I.I. Zmiyov, we found that the visual assessment of parallelism gave an error in 32 cases with the 1st method (61.5%) and 24 (46.1%) with the second. With the first method, there was a discrepancy between the right and left sides in 27 cases (51.9%) within 3° - 5° , with the second - in 10 cases (19.2%).

When installing Zmiyov's apparatus on the formed occlusal ridges, it was necessary to correct the prosthetic plane in 61.5% of cases with the first method, and in 46.1% with the second.

On the basis of the formations of the prosthetic plane carried out with the help of Zmiyov's apparatus, we were convinced of the effectiveness of the proposed method and the possibility of recommending it for wide application in practical work, as it provides clarification of this stage of determining the central ratio of edentulous jaws.

LITERATURE:

1. Yanishen I. V., Berezhna O. O., Pohorila A. V., Andrienko K. Yu. Innovations of dental materials science in the treatment of dental patients with various orthopedic structures. Study guide for the training of specialists of the III (educational and scientific) level of higher education in the specialty "dentistry" and

for the training of specialists in the postgraduate education system of medical universities. UDC: 616.314-089.23-77:615.46(075.8) Kharkiv National Medical University, 2021

2. Yeris L. B. Biomechanical justification of the spatial location of the occlusal plane in complete removable prostheses depending on the anatomical features of the prosthetic bed. Ukrainian dental almanac. – 2006. – No. 1, Volume 1. – P. 25–27.

3. Yanishen I. V., Andrienko K. Yu., Fedotova O. L., Pohorila A.V., Khlystun N.L. Analysis of the problems of the relationship between the base of the removable orthopedic structure of the dental prosthesis and the tissues of the prosthetic bed. Actual problems of modern medicine: Bulletin of the Ukrainian Medical Stomatological Academy, 23(4), 284-287.<https://doi.org/10.31718/2077-1096.23.4.284>

4. Yanishen IV, Zapara PS, Fedotova OL, Khlistun NL, Saliya LG Study of hemodynamics of the mucous membrane of the prosthetic area at the stages of treatment of patients with removable dentures according to the improved technique. Polish Medical Journal. - 2022. - Vol. L/295. – P. 391–393.