
**EUROPEAN INTERNATIONAL JOURNAL OF MULTIDISCIPLINARY RESEARCH
AND MANAGEMENT STUDIES****VOLUME04 ISSUE02**DOI: <https://doi.org/10.55640/eijmrms-04-02-13>

Pages: 82-86



PHOTOGRAPHY IN DENTAL PRACTICE***Rustamov Arslan****Clinical resident of the 2nd year of the Department of Orthopedic Dentistry, Samarkand state medical university, Uzbekistan****Axmedov Alisher Astanovich****PhD, Scientific adviser, Head of the Department of Orthopedic Dentistry, Samarkand state medical university, Uzbekistan*

ABOUT ARTICLE**Key words:** Photographs, thermograms, radiographs, dental practice.**Received:** 04.02.2024**Accepted:** 09.02.2024**Published:** 14.02.2024**Abstract:** Photographs, thermograms and radiographs are modern, intensively and rationally developing directions in the diagnostic process, especially in combination with computer methods of analysis. Their use has distinctive features. This increases the accuracy and reliability of the assessment of the condition of the teeth.

INTRODUCTION

However, this is not always easy, as it requires certain skills, experience and additional equipment [1]. In dental practice, photography continues to acquire new opportunities and tends to expand in many new indications [2]. Photography is used in all areas of dentistry, including orthodontics, orthopedics, surgery, therapy and cosmetic dentistry [3]. Examination of the patient and fixation of treatment are carried out using cameras or intraoral cameras [4]. The choice of camera type remains controversial in this matter, especially in legal matters. There is a choice between the two main systems offered for dental practice, namely film and digital cameras, which are widely available commercially [5]. Until recently, instant camera systems (Polaroid systems) were also used in dental practice, but this type of photography was abruptly withdrawn from medical practice due to insufficient image quality [6]. With digital cameras, you can quickly take a photo, add text to it and send it over the Internet for consulting services. However, such photos can be retouched, and modern software allows you to do this without difficulty. Dental digital cameras have a number of requirements regarding

resolution and color gamut [7]. Ordinary photographs, especially negatives and slides, contain unmodified autotypic images. They can be scanned, converted into digital images and then processed on a computer using the same technique [8]. Thus, digital technologies represent a serious legal and scientific problem [7, 8]. The use of intraoral cameras finds worthy application in the daily practice of dentists. Intraoral cameras are constantly being improved. An economic niche for providing dental photography can always be chosen from a VIP reception to a social one in terms of using equipment and computer software [10]. In dental practice, photography is appropriate [11]: as a photographic documentation that records the initial state of the oral cavity, individual stages of treatment and the final result of treatment. Dentists document the results of their work as part of their interaction with insurance companies. In this way, they manage the quality of medical care. Such documentation is also an element of the quality management system in healthcare, for example, when assessing the condition of periodontal tissues during treatment. The systematization of photos allows you to create a dental portfolio. Photographs facilitate the relationship between an orthopedic surgeon and a dental laboratory. A practical diagnostic model of the jaw and photographs provide everything you need. To explain to the patient the specifics of dental treatment. In this case, photographs are a unifying element for motivating and informing the patient. They can be compiled into an atlas for optimization. The patient can see the proposed treatment before, during and directly on the monitor screen the results of treatment. This means that the final results of treatment can be shown immediately before the start of treatment using computer image modeling. Intraoral photographs are an important part of the documentation in court as an element of identification of the person and the severity of the injury. Photographs documenting the condition "before" and "after" treatment can be used as an effective marketing tool. It is possible to demonstrate the planned treatment to patients. The craftsmanship of the restorations depicted in the photo has been and will be the best advertisement for your practice. The aspect of advertising. This aspect is to motivate patients to undergo a certain treatment or visit a certain clinic, as well as to let them understand what their treatment will lead to. In short, it's about patient motivation. It doesn't matter where the photos are posted - in magazines, on websites, or on billboards. However, the photo should have a reference point by which to find the author (Fig. 1). Insurance medicine already requires photographic fixation of the treatment process. Dentistry is no exception in this case. Photo fixation is the best option for all interested parties. In research work at the present stage, photography is used not only to evaluate an object, but also to illustrate publications. They record unusual (exclusive) cases and medical features in dental practice. Photos for the preparation of reports of doctors and dental technicians to improve and confirm qualification categories, as well as to participate in professional competitions and Olympiads. Diagnostic

photographs Diagnostic photographs occupy a separate position. These are images used to clarify the condition of the tooth, which determine the treatment plan. For example, the IROPZ (index of destruction of occlusal surfaces of teeth) is determined from the images (Fig. 2). However, determining the color of teeth from photographs is not practical, despite the presence of many computer programs and devices. There are special devices for this purpose [12]. Photos (Fig. 3) must be differentiated: FACE: facial, 3/4 facial, semi-rotational, smile, wide smile, 3/4 wide smile, central ratio, central occlusion, front teeth, side teeth; DENTAL (intraoral): photos of the upper and lower jaw, lateral view of the cheek and chewing surface (from the side), frontal view (different jaw ratios), individual teeth.

CONCLUSION

Thus, one of the modern methods of assessing the condition of the teeth of the alveolar process is the use of photographs during the examination of the patient. The data of such a survey can be used in medical practice, research activities, as well as in commercial aspects. Photography, as an important research method that can use computer technology, is increasingly being used in dental practice. Photography allows doctors to highlight the features of dental diseases. This increases the effectiveness of dental care. A promising area of scientific research is the development of computer support for assessing the condition of teeth based on the results of photographing the alveolar system.

REFERENCE

1. Абдуллаева П. Р., Ахмедов А. А. СПОСОБ ЛЕЧЕНИЯ ИШЕМИЧЕСКИХ СОСТОЯНИЙ ЗРИТЕЛЬНОГО НЕРВА И СЕТЧАТКИ (ЛИТЕРАТУРНЫЙ ОБЗОР): Medical science //Ethiopian International Journal of Multidisciplinary Research. – 2023. – Т. 10. – №. 09. – С. 18-23.
2. Ризаев Ж. А., Ахмедов А. А. ОСНОВЫ СТОМАТОЛОГИЧЕСКОЙ ПОМОЩИ В РЕСПУБЛИКЕ УЗБЕКИСТАН НА ОСНОВЕ РАЗВИТИЯ ОБЩЕЙ ВРАЧЕБНОЙ ПРАКТИКИ //ЖУРНАЛ СТОМАТОЛОГИИ И КРАНИОФАЦИАЛЬНЫХ ИССЛЕДОВАНИЙ. – 2023. – Т. 4. – №. 3.
3. Абдуллаева Н. И., Ахмедов А. А. ОСТЕО-ИММУНОЛОГИЧЕСКИЙ СТАТУС ПАЦИЕНТОВ С ЗАБОЛЕВАНИЙ ПАРОДОНТА В ПОДРОСТКОВОМ И МОЛОДОМ ВОЗРАСТЕ //TA'LIM VA RIVOJLANISH TANLILI ONLAYN ILMIY JURNALI. – 2023. – Т. 3. – №. 11. – С. 143-149.
4. Ахмедов А. А. Иммунологические аспекты патогенеза гингивита и пародонтита //IQRO. – 2023. – Т. 3. – №. 2. – С. 121-123.
5. Ризаев Ж. А., Ахмедов А. А. GROWTH AND DEVELOPMENT OF GENERAL MEDICAL PRACTICE IN THE REPUBLIC OF UZBEKISTAN TO IMPROVE DENTAL CARE //ЖУРНАЛ СТОМАТОЛОГИИ И КРАНИОФАЦИАЛЬНЫХ ИССЛЕДОВАНИЙ. – 2023. – Т. 4. – №. 3.

6. Ахмедов А. А., Нарзиева Н. DENTAL PROSTHETICS ON IMPLANTS AND THEIR FEATURES //American Journal of Pedagogical and Educational Research. – 2023. – Т. 16. – С. 132-135.
7. Astanovich A. D. A. et al. The State of Periodontal Tissues in Athletes Engaged in Cyclic Sports //Annals of the Romanian Society for Cell Biology. – 2021. – С. 235-241.
8. Alimjanovich R. J., Astanovich A. A. СОВЕРШЕНТСТВО ВАНИЕ СТОМАТОЛОГИЧЕСКОЙ ПОМОЩИ В УЗБЕКИСТАНЕ С ИСПОЛЬЗОВАНИЕМ КОНЦЕПТУАЛЬНОГО ПОДХОДА ДЛЯ УЛУЧШЕНИЕ ЕЕ КАЧЕСТВА //JOURNAL OF BIOMEDICINE AND PRACTICE. – 2023. – Т. 8. – №. 4.
9. Ортикова Н. Глобализация биоэтики в период пандемии COVID-19 //Общество и инновации. – 2020. – Т. 1. – №. 1/S. – С. 677-682.
10. Ортикова Н. Влияние психоэмоционального напряжения детей на состояние здоровья полости рта //Общество и инновации. – 2023. – Т. 4. – №. 7/S. – С. 328-333.
11. Ортикова Н. Х., Ризаев Ж. А., Мелибаев Б. А. ПСИХОЛОГИЧЕСКИЕ АСПЕКТЫ ПОСТРОЕНИЯ СТОМАТОЛОГИЧЕСКОГО ПРИЕМА ПАЦИЕНТОВ ДЕТСКОГО ВОЗРАСТА //EDITOR COORDINATOR. – 2021. – С. 554.
12. Ортикова Н. Тенденция эффективности профилактических мероприятий путем коррекции психологического стресса у детей на стоматологическом приеме //Общество и инновации. – 2022. – Т. 3. – №. 6. – С. 181-189.
13. Qobilovna B. Z., Nodirovich E. A. EVALUATION OF ORTHOPEDIC TREATMENT WITH REMOVABLE DENTAL PROSTHESES FOR PATIENTS WITH PAIR PATHOLOGY //Spectrum Journal of Innovation, Reforms and Development. – 2023. – Т. 11. – С. 95-101.
14. Anvarovich E. S., Qobilovna B. Z. INFLUENCE OF DIFFERENT TYPES OF RETRACTION THREADS ON THE DEGREE OF GINGI RECESSION //Spectrum Journal of Innovation, Reforms and Development. – 2023. – Т. 11. – С. 84-86.
15. Tohirovna M. L., Qobilovna B. Z. Optimization of Complex Methods Treatment of Inflammatory Periodontal Diseases //Eurasian Research Bulletin. – 2023. – Т. 17. – С. 138-143.
16. Tavakalova Q. M., Qobilovna B. Z., Sarvinoz Y. Preventive Measures in the Treatment of Caries in School children //Eurasian Research Bulletin. – 2023. – Т. 17. – С. 60-65.
17. Исламова Н., Чакконов Ф. Роль продуктов перекисного окисления липидов и противовоспалительных цитокинов крови в развитии заболеваний полости рта при гипотиреозе //Общество и инновации. – 2020. – Т. 1. – №. 1/s. – С. 577-582.
18. Fakhridin C., Shokhruh S., Nilufar I. ENDOKANAL PIN-KONSTRUKSIYALARNI ISHLATISHDA ASORATLAR VA XATOLAR TAHLILI //JOURNAL OF BIOMEDICINE AND PRACTICE. – 2022. – Т. 7. – №. 1.

- 19.**Shoxrux S., Shoxrux I., Faxriddin C. PREVENTION AND TREATMENT OF ORAL INFECTIONS IN DENTURE WEARERS //International Journal of Early Childhood Special Education. – 2022. – T. 14. – №. 4.
- 20.**Xusanovich C. F. COMPLETE REMOVABLE PROSTHESIS SUPPORTED BY IMPLANTS //European International Journal of Multidisciplinary Research and Management Studies. – 2023. – T. 3. – №. 11. – C. 127-133.
- 21.**Xusanovich C. F. et al. PROSTHETICS A COMPLETE REMOVABLE PROSTHESIS BASED ON IMPLANTS //European International Journal of Multidisciplinary Research and Management Studies. – 2023. – T. 3. – №. 11. – C. 122-126.
- 22.**Najmiddinovich S. N. et al. CARIES IN SCHOOL CHILDREN AND TREATMENT PREVENTIVE MEASURES //American Journal of Pedagogical and Educational Research. – 2023. – T. 16. – C. 44-49.
- 23.**Khusanovich K. B. R. C. F. TYPES AND APPLICATIONS OF DENTAL COMPLIMENTS //Journal of Modern Educational Achievements. – 2023. – T. 5. – №. 5. – C. 95-99.
- 24.**Zarnigor J. MAIN ROLE OF HYGIENIC EDUCATION IN THE SYSTEM PRIMARY PREVENTION OF DENTAL DISEASES OF PATIENT //European International Journal of Multidisciplinary Research and Management Studies. – 2023. – T. 3. – №. 11. – C. 157-163.
- 25.**Qizi J. Z. B. METHODS OF OPTIMIZATION OF TREATMENT OF PERIODONTAL DISEASES USING NEW TECHNOLOGIES //European International Journal of Multidisciplinary Research and Management Studies. – 2023. – T. 3. – №. 10. – C. 234-241.
- 26.**Kobilovna B. Z., Rushana R. COMPARATIVE EVALUATION OF PARTIAL DENTURES WITH VARIOUS FASTENING ELEMENTS //Intent Research Scientific Journal. – 2023. – T. 2. – №. 9. – C. 98-103.
- 27.**Qobilovna B. Z., Maxzuna U. Improvement of Providing Therapeutic Dental Care to Pregnant Women. Therapeutic and Preventive Measures //Eurasian Research Bulletin. – 2023. – T. 16. – C. 146-150.
- 28.**Tavakalova Q. M., Qobilovna B. Z., Sarvinoz Y. Results of the Prevention Program Dental Diseases in School-Age Children //Eurasian Research Bulletin. – 2023. – T. 17. – C. 50-54
- 29.**Jurabek T. D., Qobilovna B. Z. Principles of Prevention of Dental Diseases in Children in Modern Conditions //Eurasian Research Bulletin. – 2023. – T. 17. – C. 55-59.
- 30.**Tavakalova Q. M., Qobilovna B. Z., Sarvinoz Y. Preventive Measures in the Treatment of Caries in School children //Eurasian Research Bulletin. – 2023. – T. 17. – C. 60-65