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I.M. Martynenko,
Candidate of Medical Sciences,
Assistant of the Department of Prosthetic Dentistry with Implantology,
Poltava State Medical University,
23 Shevchenko Street, Poltava, Ukraine, postal code 36011,
i.martynenko@pdmu.edu.ua

COMPLETE REMOVABLE PROSTHETICS. A QUALITY IMPRESSION AS THE FIRST STEP TO SUCCESS, OR A MISTAKE THAT IS DIFFICULT TO CORRECT

Aims. *To Evaluate distribution of professionals and facility types, impact of experience, challenges in impression-making and explore dental professionals' perceptions of technological advancements' impact on impressions for complete removable prosthetics.* **Material and Method.** *The study employed a cross-sectional design, in which a sample of 120 study population consisted of Dentists, Dental technicians, Dental hygienists using a simple random selection procedure was taken. A pretested structured questionnaire was used to collect information. Descriptive statistics were presented in frequency and percentages. Table and figure were utilized to present data. Chai square test was used for inferential statistics.* **Results.** *The current study on complete removable prosthetics examined various aspects related to professionals, techniques, challenges, consequences, measures, and technological advancements. Dentists constituted the largest group (37.5%), with diverse experience levels, primarily within 1-5 years (34.2%). Majority of respondents (60.8%) deemed quality impressions extremely or very crucial, emphasizing techniques like precise measurements and custom trays while highlighting challenges such as border molding difficulties (28.3%). Common consequences included poor fit of the prosthetic (24.2%) and patient discomfort (20%), with recommended measures including proper training (30.8%) and using high-quality materials (23.3%). While technological advancements were perceived positively by 59.2%, skepticism existed among 28.3% of participants. Notably, a significant association (p-value = 0.019) between experience and perceived cruciality of impression quality was found, particularly among practitioners with 1-5 years and over 10 years of experience, underlining the pivotal role of quality impressions in ensuring successful outcomes for complete removable prosthetics.* **Scientific Novelty.** *Revolutionizing complete denture success and prioritizing quality impressions for efficacy.* **Conclusion.** *The study highlights crucial role of precise impressions in complete removable prosthetics. Diverse expertise levels necessitate skillful techniques. Challenges like border molding require proactive measures and technological advancements for optimal outcomes.*

Key words: *complete, removable prosthetics, quality impression, success, mistake and difficult to correct.*

І.М. Мартиненко,
кандидат медичних наук,
асистент кафедри ортопедичної стоматології з імплантологією,
Полтавський державний медичний університет,
вул. Шевченка, 23, м. Полтава, Україна, індекс 36011,
i.martynenko@pdmu.edu.ua

ПОВНЕ ЗНІМНЕ ПРОТЕЗУВАННЯ. ЯКІСНИЙ ВІДБИТОК ЯК ПЕРШИЙ КРОК ДО УСПІХУ, АБО ПОМИЛКА, ЯКУ СКЛАДНО ВИПРАВИТИ

Мета. *Оцінити розподіл спеціалістів та типів закладів, вплив досвіду, труднощі у знятті відбитку та дослідити сприйняття стоматологами впливу технологічного прогресу на зняття зліпків для повного знімного пластинкового протезування.* **Матеріал і методи.** *У дослідженні використовувався перехресний метод, в якому була відібрана вибірка зі 120 респондентів, що складалася з лікарів-стоматологів, зубних техніків, зубних гігієністів, за допомогою простої процедури випадкового відбору. Для збору інформації використовувався попередньо протестований структурований опитувальник. Описова статистика була представлена у вигляді частоти та відсотків. Для представлення даних використовувалися таблиці та рисунки. Для вивідної статистики використовувався критерій хі-квадрат.* **Результати.** *У поточному дослідженні комплексного знімного протезування розглядалися різні аспекти, пов'язані з фахівцями, технікою, проблемами, наслідками, заходами та технологічними досягненнями. Стоматологи склали найбільшу групу (37,5%) з різним стажем роботи, переважно від 1 до 5 років (34,2%). Більшість респондентів (60,8%) вважають якість зліпків надзвичайно або дуже важливою, наголошуючи на таких методах, як точні вимірювання та індивідуальні ложки, а також на таких проблемах, як труднощі з формуванням країв (28,3%). Серед поширених наслідків – погане прилягання протеза (24,2%) та дискомфорт пацієнта (20%), а рекомендовані заходи включають належне навчання (30,8%) та використання високоякісних матеріалів (23,3%). Хоча технологічний прогрес позитивно сприйняли 59,2%, скептично до нього поставилися 28,3% респондентів. Було виявлено значний зв'язок (p-value = 0,019) між досвідом та сприйняттям важливості якості зліпків, особливо серед лікарів з досвідом роботи від 1 до 5 років та понад 10 років, що підкреслює ключову роль якісних зліпків у забезпеченні успішного результату комплексного знімного протезування.* **Наукова новизна.** *Революційний підхід до успіху комплексного знімного протезування та надання пріоритету якісним зліпкам для ефективності.* **Висновок.** *Дослідження підкреслює вирішальну роль точних зліпків у комплексному знімному протезуванні. Різні рівні кваліфікації потребують майстерних техніків. Такі виклики, як формування країв, вимагають проактивних заходів і технологічного прогресу для досягнення оптимального результату.*

Ключові слова: *комплексне знімне протезування, якісний зліпок, успіх, помилки та труднощі, які важко виправити.*

Introduction. The deformity of a person's face has a profound effect on both the physical appearance and functionality, as well as the mental well-being of an individual. Tooth loss can lead to a range of psychological issues. Dentures can restore patients' sense of normalcy and enhance their confidence to engage in social interactions. A complete denture is used to restore the functions of phonetics, esthetics, and mastication. Complete removable prostheses are essential in the field of dentistry as they serve to restore both the functioning and aesthetics of a patient's oral cavity [1,2]. Rehabilitation through the use of removable prosthesis mostly involves replacing teeth and soft tissues with a temporary corrective solution that can be easily taken out. These dental devices are commonly referred to as prosthesis. They can either replace an entire set of teeth, known as complete dentures, or replace specific areas with missing teeth, known as partial dentures [3]. From enhancing masticatory function to improving speech and restoring confidence, these prosthetics serve as a cornerstone in comprehensive dental care. However, behind every successful complete removable prosthetic lies a crucial first step: the quality of the impression [4].

The impression phase in the fabrication of complete removable prosthetics is often considered the foundation upon which the entire treatment process is built. A meticulously crafted impression not only captures the anatomical intricacies of the patient's oral tissues but also provides a roadmap for the subsequent stages of prosthetic fabrication. Conversely, an inadequately executed impression can lead to a myriad of challenges, ranging from ill-fitting prosthetics to compromised function and patient dissatisfaction [5]. Achieving a quality impression is crucial in the success of complete removable prosthetics. It serves as the blueprint for crafting prosthetics that not only fit snugly but also function optimally within the patient's oral cavity. A well-executed impression ensures proper distribution of forces during mastication, thereby minimizing the risk of tissue irritation and discomfort for the patient. By customizing the impression tray to match the patient's anatomy, the dentist can obtain a more accurate imprint, minimizing the chances of material distortion and mistakes [6]. Impression materials and techniques in restorative dentistry are required to have consistent, predictable, and reproducible operations [7]. An accurate dental impression guarantees a precise fit for the new restoration or appliance, whereas low-quality impressions might lead to a subpar fit and functionality [8].

However, despite its importance, the impression phase is not without its complexities and challenges. Factors such as moisture control, material selection, and technique proficiency can significantly influence the quality of the impression obtained. Furthermore, variations in patient anatomy and clinical conditions further underscore the need for precision and attention to detail during this critical phase of treatment. Several common obstacles to achieving a high-quality imprint include suboptimal tray selection, insufficient mixing of impression material, surface contamination, inadequate margin detail, presence of internal bubbles, hasty execution of the impression process, and patient movement. These issues might result in errors such as incorrect documentation of margins, inadequate hardening of impression material, deformed impressions, and weak bonding between components [9]. To overcome these challenges and ensure a perfect dental impression, it is essential to address factors like tray selection, material mixing techniques, margin detail, polymerization of materials, and proper handling during the impression-taking process. By following best practices such as using suitable materials, ensuring proper retraction and isolation, and adhering to recommended mixing and handling procedures, dental professionals can achieve accurate and high-quality impressions for successful restorations [10]. The digital approach demonstrated equivalent efficacy and greater time efficiency compared to the conventional process of fabricating prostheses in the predoctoral program. Predoctoral dentistry students, under faculty supervision, efficiently utilized the digital denture procedure as their preferred method [11].

In this discourse, we delve into the pivotal role of quality impressions in the fabrication of complete removable prosthetics. We explore the key factors that contribute to successful impression taking, as well as common pitfalls that practitioners must navigate to achieve optimal outcomes. Additionally, we discuss strategies and advancements in impression materials and techniques that aim to enhance the accuracy and reliability of impressions in complete removable prosthetic procedures. Ultimately, understanding the importance of quality impressions is imperative for dental practitioners seeking to deliver superior outcomes and ensure patient satisfaction in the realm of complete removable prosthetics. By prioritizing precision and proficiency during the impression phase, practitioners can lay a solid foundation for success and mitigate the risk of costly errors that may arise in the fabrication of these vital dental prosthetics.

Aims and Objectives

1. Evaluate the distribution of professionals, their experience and type of facility involved in complete

removable prosthetics, to understand their respective roles and expertise levels.

2. Assess the impact of years of experience among participants on impression quality for complete removable prosthetics.

3. Investigate the prevalence of challenges encountered during impression-making for complete removable prosthetics.

4. Explore the perceptions of dental professionals regarding the impact of technological advancements on impressions for complete removable prosthetics.

Methodology

Study Design

The study employed a cross-sectional design.

Study Populations

The study population comprised Dentists, Dental technicians, Dental hygienists, and individuals from other professions.

Sample Techniques

The study participants were selected using a simple random selection procedure.

Sample size

Population size (N) = 1000, Confidence level = 95%, Margin of error (E) = 10% or 0.1 and Expected proportion (p) = 0.5.

$$n = \frac{z^2 \times p \times (1-p)}{E^2} = 120$$

Data collection and Analysis

A pretested structured questionnaire was used to collect information after getting informed consent. Descriptive statistics were presented in frequency and percentages. Table and figure were utilized to present data. Chai square test was used for inferential statistics.

Results

Table 1 shows the results of study on complete removable prosthetics presents a comprehensive overview of the professionals involved, with dentists comprising the largest group at 37.5%, followed by dental technicians at 29.2%, and dental hygienists at 20.8%, while a smaller portion falls into the "Other" category at 12.5%. The distribution of years of experience among participants reveals a varied landscape, with 1-5 years of experience being the most prevalent at 34.2%, followed by 6-10 years at 25%, and less than 1 year and more than 10 years of experience each constituting 21.7% and 19.2% respectively. Moreover, the division between public and private labs demonstrates a relatively balanced representation, with 58.3% in public labs and 41.7% in private labs. The findings imply the critical role of quality impressions as the initial step in the success of complete removable prosthetics, especially considering the diverse expertise levels among participants and the potential complexities associated with correcting errors in impression-making. This distribution of professionals and their experiences underscores the importance of precision and skill in impression-taking to ensure the efficacy and durability of complete removable prosthetics in both public and private lab settings.

Table 2 shows the result of the study on Complete Removable Prosthetics highlights the paramount importance of achieving a quality impression, with a significant majority of respondents, comprising 60.8% of the total, indicating that a quality impression is either extremely or very crucial. Techniques such as precise measurements, thorough examination, and the use of custom trays were identified as essential for obtaining quality impressions, emphasizing the need for meticulous attention to detail. However, the study also unveils prevalent challenges, with 28.3% of respondents citing difficulties in border molding and 20% noting inadequate tissue support. Additionally, patient discomfort during impression-tak-

Table 1

Frequency distribution of study participant

Variables	Category	Frequency	Percentage
Profession	Dentist	45	37.5
	Dental technician	35	29.2
	Dental hygienist	25	20.8
	Other	15	12.5
Years of Experience	< 1	26	21.7
	1-5	41	34.2
	6-10	30	25
	> 10	23	19.2
Type of Lab	Public	70	58.3
	Private	50	41.7

Table 2

Factors related to quality impressions in fabrication of complete removable prosthetics

Variables	Response	Frequency	%
How crucial is a quality impression in the fabrication?	Extremely crucial	40	33.3
	Very crucial	33	27.5
	Moderately crucial	23	19.2
	Slightly crucial	12	10
	Not crucial at all	12	10
Techniques for Quality Impression	Precise measurements	22	18.3
	Thorough examination	23	19.2
	Use of custom trays	18	15
	Careful examination	19	15.8
	Patient education	10	8.3
	Meticulous technique	9	7.5
	Detailed impressions	13	10.8
	Multiple tries	6	5
Common Challenges	Inadequate tissue support	24	20
	Patient discomfort during impression	14	11.7
	Material handling issues	15	12.5
	Insufficient impression material	14	11.7
	Difficulty in border molding	34	28.3
	Patient movement during impression	7	5.8
	Tray adaptation issues	7	5.8
	Undercuts complicating impression	5	4.2

ing was reported by 11.7% of respondents, while material handling issues and insufficient impression material were encountered by 12.5% and 11.7% of respondents, respectively. These statistics underscore the complexity and intricacy involved in obtaining accurate impressions and emphasize the necessity for practitioners to employ appropriate techniques and strategies to address common challenges effectively. Ultimately, the findings underscore the critical role of a quality impression in ensuring successful outcomes for patients undergoing complete removable prosthetic treatment, urging dental professionals to prioritize precision and thoroughness throughout the impression-making process to achieve optimal treatment results**.**

Table 3 shows the result of the study on complete removable prosthetics reveals a range of potential consequences and corresponding measures to address them during fabrication. Among the identified consequences, poor fit of the prosthetic emerged as the most common issue, affecting nearly a quarter of cases (24.2%), followed by patient discomfort (20%), speech difficulties (12.5%), and occlusal errors (7.5%). To mitigate these challenges, the study advocates for several proactive measures, with proper training being the most frequently recommended approach, cited in 30.8% of cases. Additionally, using high-quality materials (23.3%), double-checking impressions (17.5%), and employing advanced equipment (13.3%) are highlighted as crucial steps to enhance the fabrication process. Ensuring a quality impression emerges as a pivotal factor in minimizing potential issues and maximizing patient satisfaction. The study underscores the significance of ongoing education and adherence to standardized protocols, which were mentioned in 5.8% and 3.3% of cases respectively, to optimize the overall quality and effectiveness of complete removable prosthetics fabrication. By prioritizing precision and attention to detail from the outset, practitioners can minimize the risk of costly mistakes and ensure optimal outcomes for patients.

The study findings in Figure 1 reveal that 59.2% of participants perceive technological advancements positively impacting impressions for complete removable prosthetics, suggesting improved accuracy and quality. Conversely, 28.3% do not believe these advancements have made a significant difference, indicating some skepticism. Additionally, 12.5% expressed uncertainty regarding the impact. This highlights a mixed perception among respondents. While many acknowledge the benefits of technological progress in enhancing impression accuracy, some remain unconvinced or uncertain about its effi-

Table 3

Potential Consequences and Measures in complete removable prosthetics fabrication

Variables	Potential Consequences	Frequency	%
Potential Consequences	Poor fit of prosthetic	29	24.2
	Discomfort for the patient	24	20
	Speech difficulties	15	12.5
	Occlusal errors	9	7.5
	Misalignment	9	7.5
	Loss of function	8	6.7
	Need for adjustments	7	5.8
	Difficulty eating	6	5
	Tissue irritation	2	1.7
	Other (Specify)	11	9.2
Measures	Proper training	37	30.8
	Using high-quality materials	28	23.3
	Double-checking impressions	21	17.5
	Using advanced equipment	16	13.3
	Detailed documentation	7	5.8
	Continuous education	7	5.8
	Standardized protocols	4	3.3

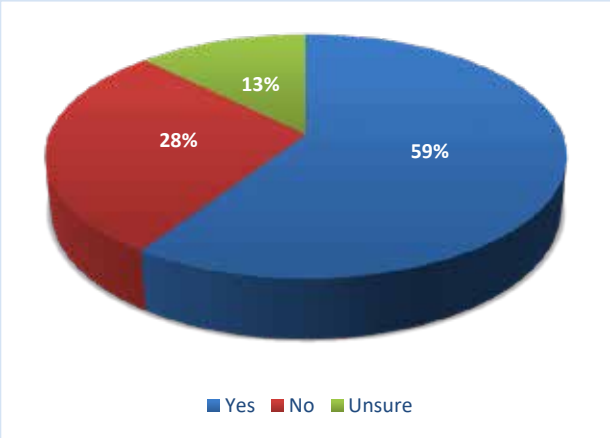

Fig. 1. Impact of Technological Advancements on Impressions for Complete Removable Prosthetics

cacy. Further research and development may help address skepticism and uncertainty, potentially leading to broader acceptance and utilization of advanced technologies in the field of complete removable prosthetics.

Table 4 shows the results of the Pearson Chi-Square test examining the relationship between years of experience in Complete Removable Prosthetics and the perceived cruciality of impression quality reveal statistically significant findings. With a Pearson Chi-Square value of 16.025 and a corresponding p-value of 0.019, it's evident that there exists a notable association between these variables. The data highlights varying perceptions among practitioners regarding the importance of impression quality based on their experience levels. Specifically, individuals with 1-5 years and over 10 years of experience tend to view impression quality as extremely crucial, while those with 6-10 years perceive it as moderately crucial. Interestingly, practitioners with 1-5 years of experience show a higher count of individuals who consider impression quality as not crucial at all. These findings underscore the pivotal role of impression quality as the initial step to success in complete removable prosthetics. They also emphasize the challenges associated with correcting any mistakes in impressions, particularly given the significance attributed to this aspect by practitioners with differing levels of experience.

Discussion. The current study underscores the critical role of quality impressions as the initial step in the success of complete removable prosthetics. Impressions serve as the foundation upon which prosthetic restorations are built, forming the basis for accurate diagnosis, treatment planning, and prosthetic fabrication. The distribution of professionals and their experiences underscores the importance of interdisciplinary collaboration, continuous education, and quality assurance measures to optimize patient outcomes and enhance the overall quality of care. By leveraging the collective expertise and insights of dentists, dental technicians, dental hygienists, and other stakeholders, dental professionals can work synergistically to overcome challenges, innovate solutions, and advance the field of prosthetic dentistry. Ultimately, the success of complete removable prosthetics hinges on a col-

Table 4

I Pearson Chi-Square on Years of Experience and Cruciality of impression quality

Cruciality of impression quality	Years of Experience					
	1-5	6-10	< 1	> 10	Pearson Chi-Square	P-value
Extremely crucial	13	13	4	10	16.025	.019
Moderately crucial	5	9	5	4		
Not crucial at all	6	0	4	2		
Slightly crucial	4	2	5	1		
Very crucial	13	6	8	6		

laborative and patient-centered approach, guided by a commitment to excellence, integrity, and lifelong learning. Similarly, another study also emphasizes the emergence of digital technologies has revolutionized removable complete dentures, presenting practitioners and laboratories with evolving workflows. This study also outlines current knowledge on digital workflows, aiding decision-making regarding full adoption or partial integration covering recording techniques, digital design steps, and manufacturing technologies [12].

The study on Complete Removable Prosthetics underscores the pivotal role of quality impressions, with over 60% of respondents emphasizing its extreme importance. Essential techniques like precise measurements and custom trays were highlighted, emphasizing meticulous attention to detail. However, challenges such as border molding difficulties and inadequate tissue support were prevalent. Patient discomfort during impression-taking and material handling issues were also noted. These findings highlight the complexity of obtaining accurate impressions and stress the need for practitioners to address common challenges effectively. Prioritizing precision throughout the impression-making process is crucial for successful outcomes in complete removable prosthetic treatment, ensuring optimal results for patients. This is further highlighted by another study that evaluates the occurrence of flaws in impressions and compares the level of accuracy in three different impression techniques single-step, two-step without spacer, two-step with spacer utilizing a digital intraoral scanner in the front upper jaw area. Out of these procedures, the single-step double mix and two-step without spacer methods produced more beneficial outcomes as compared to the two-step with spacer methodology. Nevertheless, the two-step with spacer technique exhibited superior dimensional accuracy compared to the two-step without spacer and single-step double mix techniques for fixed partial dentures [13].

The study also underscores the prevalence of issues like poor fit, discomfort, speech difficulties, and occlusal errors during fabrication. Proactive measures, including proper training, use of high-quality materials, double-checking impressions, and advanced equipment, are advocated to mitigate these challenges. Emphasizing the importance of quality impressions and ongoing education, adherence to standardized protocols is crucial to enhance fabrication quality and patient satisfaction. Prioritizing precision and attention to detail from the beginning can minimize costly mistakes, optimizing outcomes in complete removable prosthetics fabrication. Similarly, another study stressed the most suitable occlusal scheme is crucial for maintaining occlusal stability in complete removable prosthesis. Numerous studies have compared occlusal schemes based on retention, comfort, and masticatory performance and it's concluded that edentulous patients prefer anatomical occlusal schemes over non-anatomical ones. Canine guidance and lingualized occlusion are effective for chewing comfort and denture retention. However, bilateral balanced occlusion lacks long-term masticatory performance and patient satisfaction [14]. Integration of digital methods in removable complete denture fabrication offers numerous benefits in aesthetics, functionality, and efficiency. While a learning curve exists, conventional methods remain valid for complex cases. Advancements in biomaterials and digital techniques promise standardized workflows and improved outcomes. Machine learning and robotics show potential for enhancing denture fabrication. Meticulous planning and communication ensure successful results and patient satisfaction [15]. The study's findings also demonstrate a varied perception among participants regarding the impact of technological advancements on impressions for complete removable prosthetics. While a majority view these advancements positively, citing improved accuracy and quality, a significant portion holds reservations or uncertainty and emphasized a need for further investigation and development to address skepticism and uncertainty, potentially fostering greater acceptance and utilization of advanced technologies

in complete removable prosthetics. Another literature favors milled over 3D printed dentures. 3D printing is indicated for custom trays, record bases, and interim dentures, lacking suitability for definitive prostheses due to limitations like poor aesthetics and retention. Initial studies show promising short-term clinical outcomes, positive patient feedback, and cost-effectiveness. However, further research on materials and printers is essential to enhance 3D printing's applicability and streamline workflows in removable prosthodontics, potentially modernizing denture fabrication techniques [16]. A comprehensive research and statistical analysis evaluated the influence of different prosthetic materials on the success rates of dental implants and fixed complete dentures. Although the survival rates of implants differed significantly among different restorative groups, there was no significant difference in the survival rates of prosthetics. Incidence rates of chipping varied across different materials. The specific types of restorative materials had a substantial impact on the survival rates of implants, but did not have a significant impact on the survival of prosthetics. The study advises exercising caution when considering porcelain-fused-to-zirconia or metal-resin restorations due to their high susceptibility to chipping and the absence of supporting evidence [17]. Similarly, another systematic review examined the impact of implant-supported fixed complete dentures, implant-supported overdentures, and removable complete dentures on speech articulation in fully edentulous patients and no significant difference was found between mandibular FCD and removable CD users. Further research is warranted due to the low quality of evidence [18]. Another review highlighted that biomechanical stress in complete dental prostheses manifests in compressive and tensile strains, particularly in buccal and labial flanges. Implant-assisted prostheses offer improved retention and support but are prone to stress-induced failures. Management strategies include adjusting implant parameters, reinforcing denture bases, and implementing specific occlusal schemes like canine guidance. These measures aim to mitigate stress and enhance prosthetic longevity [19]. This literature review explores the applications and performance of artificial intelligence (AI) models in removable prosthodontics, covering areas such as removable partial denture design, arch classification, complete denture treatment outcomes, cleft lip and palate management, maxillofacial prosthesis coloration, and denture teeth material properties prediction. Although AI shows promise in enhancing prosthodontic workflow, more studies targeting treatment planning and implementation are needed to fully utilize its potential across various prosthodontic disciplines [20, 21]. A different study presents a method that combines traditional and digital approaches to create removable partial dentures (RPDs). The dental cast and RPD framework assembly are scanned, and computer-aided design software is then utilized to construct fake teeth and denture foundation areas. These objects are manufactured as a whole entity using wax and polymethyl methacrylate disks. The standard techniques are continued until the removal of wax, at which point artificial teeth are inserted into the flasks before injecting denture resin for the final processing of the removable partial denture, thereby maintaining the intended design [22].

The relationship between years of experience in Complete Removable Prosthetics and the perceived cruciality of impression quality reveals statistically significant findings. Practitioners with varying experience levels have differing perceptions regarding the importance of impression quality. Individuals with 1-5 years and over 10 years of experience tend to view impression quality as extremely crucial, while those with 6-10 years perceive it as moderately crucial. Interestingly, practitioners with 1-5 years of experience show a higher count of individuals who consider impression quality as not crucial at all. These findings highlight the pivotal role of impression quality in the success of complete removable prosthetics and the challenges associated with correcting mistakes in impressions [23, 24]. Additionally, research has shown that patient decisions regarding dental prosthetic treatment play a critical role in treatment acceptance. Factors such as high expenditure, fear of dental treatment, and not perceiving the need for treatment influence patients' decisions. Statistical analyses have revealed significant associations between reasons for declining treatment and demographic factors like age, gender, and past dental experience [25]. Furthermore, research has assessed the complexities and level of contentment among patients using detachable dentures. Complications such as reduced ability to hold in place, the formation of sores, and an increased vertical measurement might result in patient unhappiness. The oral health and satisfaction levels of patients might be influenced by the quality of prosthetic treatment. Research highlights the significance of accurate denture base adaptation, proper centric relation, and vertical dimension for the stability and retention of removable dentures [13].

Conclusion. In conclusion, the studies reviewed underscore the critical importance of quality impressions in the success of complete removable prosthetics. Impressions serve as the foundation for accurate

diagnosis, treatment planning, and prosthetic fabrication, necessitating meticulous attention to detail and precision throughout the impression-making process. Challenges such as poor fit, discomfort, and speech difficulties during fabrication highlight the complexity of obtaining accurate impressions and emphasize the need for proactive measures and ongoing education to mitigate these challenges effectively.

Furthermore, the integration of digital technologies in removable complete denture fabrication offers numerous benefits, including improved accuracy, efficiency, and standardized workflows. While there may be varied perceptions among practitioners regarding the impact of technological advancements, continued research and development are crucial to address skepticism and uncertainty, potentially fostering greater acceptance and utilization of advanced technologies in complete removable prosthetics.

Patient decisions regarding dental prosthetic treatment also play a critical role in treatment acceptance, with factors such as cost, fear of treatment, and perceived need influencing decisions. Complications and patient satisfaction with removable dentures highlight the importance of precise denture base adaptation, correct centric relation, and vertical dimension for stable and retentive removable dentures, ultimately impacting oral health and patient satisfaction levels.

Overall, the findings underscore the interdisciplinary collaboration, continuous education, and adherence to standardized protocols necessary to optimize patient outcomes and enhance the overall quality of care in complete removable prosthetics. By leveraging collective expertise and insights, dental professionals can work synergistically to overcome challenges, innovate solutions, and advance the field of prosthetic dentistry, guided by a commitment to excellence, integrity, and lifelong learning.

Further Research. Further research could explore the long-term effects of digital technology integration in complete removable prosthetics, assessing patient satisfaction, durability, and cost-effectiveness over extended periods. Additionally, investigating the efficacy of novel materials and techniques in improving denture fit, comfort, and functionality could provide valuable insights into enhancing treatment outcomes. Furthermore, exploring patient-centered approaches to address barriers to treatment acceptance and improve communication between practitioners and patients may contribute to more personalized and effective prosthetic care. Integrating patient-reported outcomes measures could also offer valuable data for assessing treatment success and informing clinical decision-making in removable prosthodontics.

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