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Comparative Study based on Patient's Perspectiveson various Dental Care Units

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KEYWORDS

dental care units, patient perspectives, patient-centered care, comparative study, patient satisfaction.

ABSTRACT:

Objectives: The following are the main goals of this comparison study:

☐ To analyze and contrast patients' general contentment levels across various dental care units, encompassing private clinics and dental hospitals.

□ To examine how each type of dental care unit's patients perceive several aspects of their dental treatment, such as the length of wait, communication between employees, the standard of care, facility hygiene, cost effectiveness, and convenience.

☐ To determine whether there are any notable variations in patient preferences regarding particular dental care services provided by various units.

☐ To comprehend the elements affecting patients' propensity to advocate a specific dental care facility to others, as well as their justifications for doing so.

Methods: A comparative study strategy that combines quantitative and qualitative methods has been used. Incorporating tried-and-true methods for measuring patient satisfaction with specific questions, a structured questionnaire has been created. The survey's multiple-choice structure let respondents pick the response that most closely matched their needs. The questionnaire asked about wait times, amenities, cleanliness, staff attitudes, general satisfaction and various other factors.

Results: In light of the responses from 364 participants, the survey outcomes underscore a consistent preference for Dental Clinics over Dental Hospitals. Participants express a clear inclination towards Dental Clinics in terms of accessibility and minimal appointment wait times. Additionally, Dental Clinics are favored for perceived trustworthiness of treatment, a wide range of services, and the communication skills of staff. Although no significant differences were observed in certain factors such as staff expertise, cost of service, efficiency, cleanliness, privacy, and pain management, the overall findings emphasize the importance of specific attributes like accessibility and service quality in influencing patient preferences across various age groups within the surveyed population of 364 individuals.

Conclusion: This comparative study emphasizes how the healthcare landscape is changing, especially within dental care units. This study presents a road map for improving patient-centered care delivery by probing patients' opinions and desires. The findings of this study have the potential to influence dental care in the future as the healthcare landscape continues to change, ensuring that patient voices remain fundamental to the pursuit of high-quality, patient-centered oral healthcare services.

INTRODUCTION

Traditionally, the concept of seeking dental care was often tethered to a singular notion: private dental

practices or government-run clinics. On the contrary, a new era typified by unparalleled diversity and a rich tapestry of alternatives for individuals looking for oral

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health services has emerged as an outcome of the swift growth of healthcare dynamics. Individuals are now provided with a broad spectrum of alternatives for where to receive their dental care owing to the development of multiple dental care facilities, such as dental clinics and dental hospitals. Evaluating how patients perceive and utilize the services offered through these various units is becoming increasingly crucial as the dental care landscape transforms.

This paradigm shift's deep commitment to patient-centered care is at its core. A paradigm that emphasizes the individuality of each patient, their distinguishing choices, and their significance as active participants in their healthcare journey is gradually supplanting the conventional one-size-fits-all approach to healthcare. The dental care industry, which is a microcosm of this wider upheaval, has responded by expanding its selection of services in recognition that consumers' requirements go beyond straightforward medical treatments. They cover a wide range of factors, such as ease of access, cost, communication, comfort, and holistic wellbeing.

Patient satisfaction is a critical determinant of the caliber of healthcare services. Individual satisfaction reflects rather than just the successful outcome of the treatment but also factors such as ease, communication, price, and overall experience. As a result, investigating patients' perspectives and preferences regarding various dental care units can provide useful insights into each type of facility's strengths and areas for advancement.

In-depth exploration of patients' perspectives in various dental care settings is the goal of this comparative study. It attempts to make sense of the complex maze of variables that influence patients' happiness and their preferences for one kind of dental care unit over another. By examining these complexity, this study seeks to shed light on the underlying forces that shape patients' decisions. By doing so, it hopes to both deepen our understanding of healthcare choices and pave the way for the delivery of dental care that is more complicated, flexible, and patient-focused.

This study's importance is felt in the alleys of healthcare decision-making. Patient happiness, formerly pushed to the margins of healthcare evaluation, has finally reclaimed its proper place at the forefront. In this situation, healthcare administrators, elected officials, and practitioners can benefit greatly from understanding patient preferences and viewpoints since they contain a

wealth of information that can help them develop policies that are in line with patient demands. By unraveling the complexities of these preferences, the standard of service, resource allocation, and interpersonal strategies can be significantly improved, better integrating dental treatment with patient preferences.

This research is more than just a dry academic exercise; it's a calculated move that could change the way dental care is provided in the future. We set out on a mission to improve healthcare quality, accessibility, and patient pleasure as we delve into the inner workings of patients' thoughts and investigate the minute details that shape their decisions. This enlightenment goes beyond statistics to reveal patient anecdotes about how they negotiate a complicated web of options to get the care that speaks to them.

MATERIALS AND METHODS

Study Design: This study employed a cross-sectional comparative design to assess patient preferences for different dental care units. The study aimed to identify variations in patient preferences regarding cleanliness, staff behavior, waiting times, amenities, and overall satisfaction among selected dental careunits.

Participants: The target population consisted of adults of all age groups. A total of 364 participants were randomly selected to ensure representation across various demographics.

Data Collection: Participants were reached and invited to participate in the study using online Google forms. A systematic survey questionnaire was used to obtain information about their preferences and perceptions. The questionnaire used a multiple choice format, allowing participants to select the option that best suited themselves. Questions in the questionnaire addressed cleanliness, personnel demeanor, wait times, amenities, and overall satisfaction.

Statistical Analysis: Mean ratings for each analyzed aspect were calculated using descriptive statistics. It was investigated using IBM SPSS statistics for Windows, version 27.0, to see if there were any notable variations in patient preferences between the various dental care facilities.

Materials: Survey Questionnaire: A collection of items relevant to various features of dental care units were included in the structured survey questionnaire. Using multiple choice methodology, participants were invited

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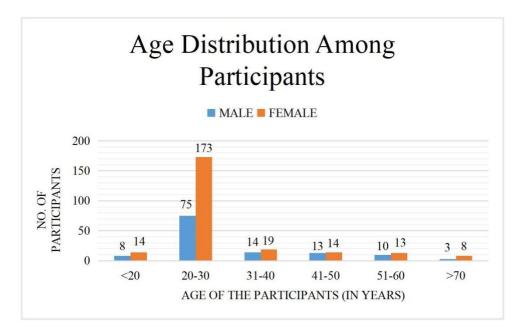


to choose from options based on their preferences.

RESULT

Participant Demographics: The demographic profile of the 364 participants who took part in the study

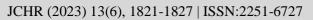
revealed 66.2% identifying as female and 33.8% as male. The age range of participants varied from 15 to 70 years, with maximum participation from (20-30) age group.



Patient Preferences: Participants' preferences for different aspects of dental care units were quantified through mean scores. Notably, the mean scores for various aspects were as follows:

QUESTIONS	AGE							p -
	<20	20-30	31-40	41-50	51-60	>70	VALUE	VALUE
	(n=22)	(n=248)	(n=33)	(n=27)	(n=23)	(n=11)		
What is your preference in								
termsof accessibility to a								
dental care unit?								
DENTAL CLINIC	11	172	15	13	10	5	37.66	0.002
DENTAL HOSPITAL	11	76	18	14	13	6	23	
Among the dental care units,								
which hasa minimal								
appointment wait time?								
DENTAL CLINIC								
	14	194	20	19	12	8	44.5	0.032
DENTAL HOSPITAL	8	54	13	8	11	3	16.16	
Among the dental care								
facilities, whichhas staff								
with greaterdental								
expertise?	14	136	20	17	12	2	33.5	0.195
DENTAL CLINIC								
DENTAL	8	112	13	10	11	9	27.16	

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HOSPITAL							1	
In terms of treatment, which								
ofthe following charges								
reasonablecost of service?								
DENTAL CLINIC								
	12	72	12	11	6	4	19.5	0.166
DENTAL HOSPITAL	10	176	21	16	17	7	41.16	
According to you, which is								
more efficient and reliable?								
DENTAL CLINIC								
	11	157	24	17	13	7	38.16	0.645
DENTAL HOSPITAL	11	91	9	10	10	4	22.5	
In regards of cleanliness and								
hygiene maintenance, what								
do you think is more								
preferable?								
DENTAL CLINIC								
	16	174	23	15	16	9	42.16	0.635
DENTAL HOSPITAL	6	74	10	12	7	2	18.5	
Where do you thinkyour								
treatment is more								
trustworthy? DENTAL								
CLINIC	14	181	26	19	10	5	42.5	0.019
DENTAL HOSPITAL	8	67	7	8	13	6	18.16	
According to you, which								
dental facilityprovides a								
better level of privacy ?								
DENTAL CLINIC	17	178	26	18	18	7	44	0.814
DENTAL HOSPITAL	5	70	7	9	5	4	16.66	
Which setup will bebetter in								
pain management according								
to you? DENTAL CLINIC								
	11	179	21	14	17	6	41.33	0.073
DENTAL HOSPITAL	11	69	12	13	6	5	19.33	
Which of the following								
offers awide range of								
services?								
DENTAL CLINIC	12	181	17	15	11	5	40.16	0.005
DENTAL HOSPITAL	10	67	16	12	12	6	20.5	
In which setup, do you think								
the communication skills of								
dental staff								
is better?								
DENTAL CLINIC	13	182	19	12	13	2	40.16	<.001
DENTAL HOSPITAL	9	66	14	15	10	9	20.5	

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Data analysis: The statistical analysis conducted using IBM SPSS statistics for windows, version 27.0. indicated a significant difference in patient preferences among the different dental care units for all assessed aspects.

The tests were employed to delve further into the differences in patient preferences among the dental care units. Notably, Dental Clinic garnered the highest scores for minimal appointment wait time (mean score: 44.5), surpassing Dental Hospital (mean score: 16.16). Conversely, Dental Clinic received significantly less scores for reasonable cost of service (mean score: 19.5) compared to Dental Hospitals (mean score: 41.16).

DISCUSSION

The outcomes of this research hold significant implications for grasping the intricate landscape of patient preferences within the realm of dental care units. The study vividly underscores the paramount importance that participants attribute to the behavior of the staff, signaling it as a central factor that significantly shapes their overall satisfaction. This unequivocally emphasizes the indispensable role played by interpersonal interactions in shaping the tapestry of patients' encounters within these healthcare environments.

This research explores the preferences of individuals in different age groups regarding various aspects of dental care. The study involved surveying participants across age categories (<20, 20-30, 31-40, 41-50, 51-60, >70)

Level of Privacy:

No significant difference in preference between Dental Clinic and Dental Hospital.

• Pain Management:

No significant difference in preference between Dental Clinic and Dental Hospital.

Wide Range of Services:

Dental Clinic significantly preferred over Dental Hospital (p = 0.005).

Communication Skills of Dental Staff:

Dental Clinic significantly preferred over Dental Hospital (p < 0.001).

This research provides valuable insights into the factors influencing the preferences of individuals in different age groups when it comes to choosing dental care units. The statistically significant findings highlight areas where preferences vary significantly among the surveyed population. These insights can be crucial for

to gather insights into their opinions on different dental care units, considering factors such as accessibility, appointment wait time, expertise of staff, cost of service, efficiency, cleanliness, trustworthiness, privacy, pain management, services offered, and communication skills.

Key Findings

- Accessibility to a Dental Care Unit: Significantly more participants preferred Dental Clinics over Dental Hospitals (p = 0.002).
- Minimal Appointment Wait Time:

Dental Clinics were found to have a significantly shorter appointment wait time (p = 0.032).

• Staff with Greater Dental Expertise:

No significant difference in preference between Dental Clinic and Dental Hospital.

• Reasonable Cost of Service:

No significant difference in preference between Dental Clinic and Dental Hospital.

Efficiency and Reliability:

No significant difference in preference between Dental Clinic and Dental Hospital.

• Cleanliness and Hygiene Maintenance:

Slight preference for Dental Clinic, but not statistically significant (p = 0.635).

• Trustworthiness of Treatment:

Dental Clinic significantly preferred over Dental Hospital (p = 0.019).

dental care providers in tailoring their services to meet the expectations of different age demographics.

Nevertheless, it's imperative to recognize and acknowledge certain limitations that the study encounters. The study's confinement to a specific geographic area inevitably casts a shadow on the generalizability of its findings. As such, the exploration of future research avenues should encompass broader geographical contexts and delve into qualitative methodologies, which can unlock deeper layers of insight into the intricate labyrinth of patient perceptions and preferences.

In summation, the study resoundingly underscores the multi-dimensional nature of patient preferences within the realm of dental care units. The narrative it weaves highlights the urgency for adopting a harmonized approach, one that calls upon dental care providers to not only meticulously maintain the standards of staff

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behavior, hygiene, and cleanliness but also to strategically optimize waiting times and enrich patient experiences through well-designed amenities. Through this multi-pronged approach, dental care units can aspire to create an ecosystem that caters holistically to patient expectations, resulting in a wholesome and gratifying patient journey. Thus, this intricate interplay of dentist, practice, and patient factors in the provision of dental services helps in recognizing that the impact of these factors on service delivery is crucial for understanding patient perspectives and improving the overall dental care experience.

CONCLUSION

In conclusion, this comparative study on patient preferences within dental care units has shed light on several key aspects that significantly influence patient experiences and satisfaction. The findings underscore the dynamic interplay of factors that patients weigh when forming opinions about their interactions with the research contributes to the existing body of knowledge by shedding light on the nuanced factors influencing patient preferences in the context of dental care, thereby informing future strategies for healthcare providers and policymakers alike.

In the larger context, this study reverberates the complexity of patient preferences within dental care units. To cultivate a comprehensive and satisfactory patient experience, dental care providers must strike a harmonious balance between staff behavior, cleanliness, waiting times, and amenities. By adopting an integrated approach that resonates with patient preferences, dental care units can pave the way for a positive and enduring patient-provider relationship, ultimately enriching the overall landscape of dental care experiences.

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dental care units.

First and foremost, the research unmistakably underscores the pivotal role of staff behavior as a critical determinant of overall patient satisfaction. The study reveals that patients place substantial importance on the interpersonal dynamics between themselves and the clinic's staff members, highlighting the need for dental care providers to invest in enhancing staff communication skills, empathy, and patient- centered care.

These findings underscore the importance of recognizing and catering to the diverse expectations of distinct age demographics within the realm of dental care. The significant variations in preferences among different age groups suggest that a one-size-fits-all approach may not be optimal in providing patient-centered care. Dental care providers can leverage these insights to tailor their services, enhance patient satisfaction, and ultimately improve the overall quality of healthcare experiences. Additionally,

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