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Opinions of Dental Technologists in Nigeria on Quality of Work Authorization for Removable Dental Prosthesis

Opinions des Prothésistes dentaires au Nigeria sur la Qualité de L'autorisation de Travail Pour les Prothèses Dentaires Amovibles Prothèse Dentaire Amovible

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ABSTRACT

BACKGROUND: When fabricating a removable dental prosthesis, clear and sufficient communication between the dentist and dental laboratory technologist is crucial to ensure a successful outcome.

OBJECTIVES: To evaluate the quality of communication between dentists and dental laboratories via work authorizations for the fabrication of removable prosthesis across the six geographical zones in Nigeria.

MATERIALS AND METHODS: A cross-sectional descriptive study was conducted among dental technologists in Nigeria. A 22-item, online survey questionnaire was sent to all the participants through their respective states and the National Dental Technologist Association across the six geographical zones in the country. Data obtained were analyzed. Association between variables was carried out using the Chi-square test. Binary logistic regression was used to predict group membership.

RESULTS: A total of 62 dental technologists participated in this study; the highest percentage of respondents, 29.1% was from South West. Only 21% of the respondents reported that they received work authorizations with adequate information to complete a denture set-up most time. Also, 16.1% of the technologists received casts with adequate rest seats and guide planes prepared on the abutment teeth. Eighteen respondents (29%) stated that the authorization card does not contain all the required information. Fabrication of more than 7 cast RPDs could be used to predict dental technologists who hold a positive view on the provision of quality work authorization by dentists. ($P \leq 0.05$).

CONCLUSIONS: The quality of work authorization for the fabrication of removable dental prosthesis was less than adequate across the six geographical zones in Nigeria. This usually leaves much decision-making to the dental laboratory technologists.

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KEYWORDS: Dental Technologist, Removable Dental Prosthesis, Work Authorization

RÉSUMÉ

CONTEXTE: Lors de la fabrication d'une prothèse dentaire amovible, une communication claire et suffisante entre le dentiste et le technologue de laboratoire dentaire est cruciale pour garantir un résultat satisfaisant.

OBJECTIFS: Évaluer la qualité de la communication entre les dentistes et les laboratoires dentaires par le biais d'autorisations de travail pour la fabrication de prothèses amovibles dans les six zones géographiques du Nigeria.

MATÉRIEL ET MÉTHODES: Une étude descriptive transversale a été menée auprès des prothésistes dentaires au Nigeria. Un questionnaire d'enquête en ligne de 22 questions a été envoyé à tous les participants par l'intermédiaire de leurs États respectifs et de l'Association nationale des technologues dentaires dans les six zones géographiques du pays. Les données obtenues ont été analysées. L'association entre les variables a été réalisée à l'aide du test du chi carré. La régression logistique binaire a été utilisée pour prédire l'appartenance à un groupe.

RÉSULTATS: Au total, 62 technologues dentaires ont participé à cette étude ; le pourcentage le plus élevé de répondants, soit 29,1 %, provenait du Sud-Ouest. Seulement 21% des répondants ont déclaré avoir reçu des autorisations de travail avec des informations adéquates pour réaliser un montage de prothèse dentaire la plupart du temps. De plus, 16,1 % des technologues ont reçu des moulages avec des sièges de repos et des plans de guidage adéquats préparés sur les dents piliers. Dix-huit répondants (29 %) ont déclaré que la carte d'autorisation ne contenait pas toutes les informations requises. La fabrication de plus de sept prothèses dentaires de recouvrement pourrait être utilisée pour prédire les technologues dentaires qui ont une opinion positive sur la fourniture d'une autorisation de travail de qualité par les dentistes. ($P \leq 0.05$).

CONCLUSIONS: La qualité de l'autorisation de travail pour la fabrication de prothèses dentaires amovibles était moins qu'adéquate dans les six zones géographiques du Nigeria. Cela laisse généralement une grande partie de la prise de décision aux technologues de laboratoire dentaire. WAJM 2024; 41 (7): 783 - 788

MOTS-CLÉS: Technologue dentaire, prothèse dentaire amovible, autorisation de travail

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