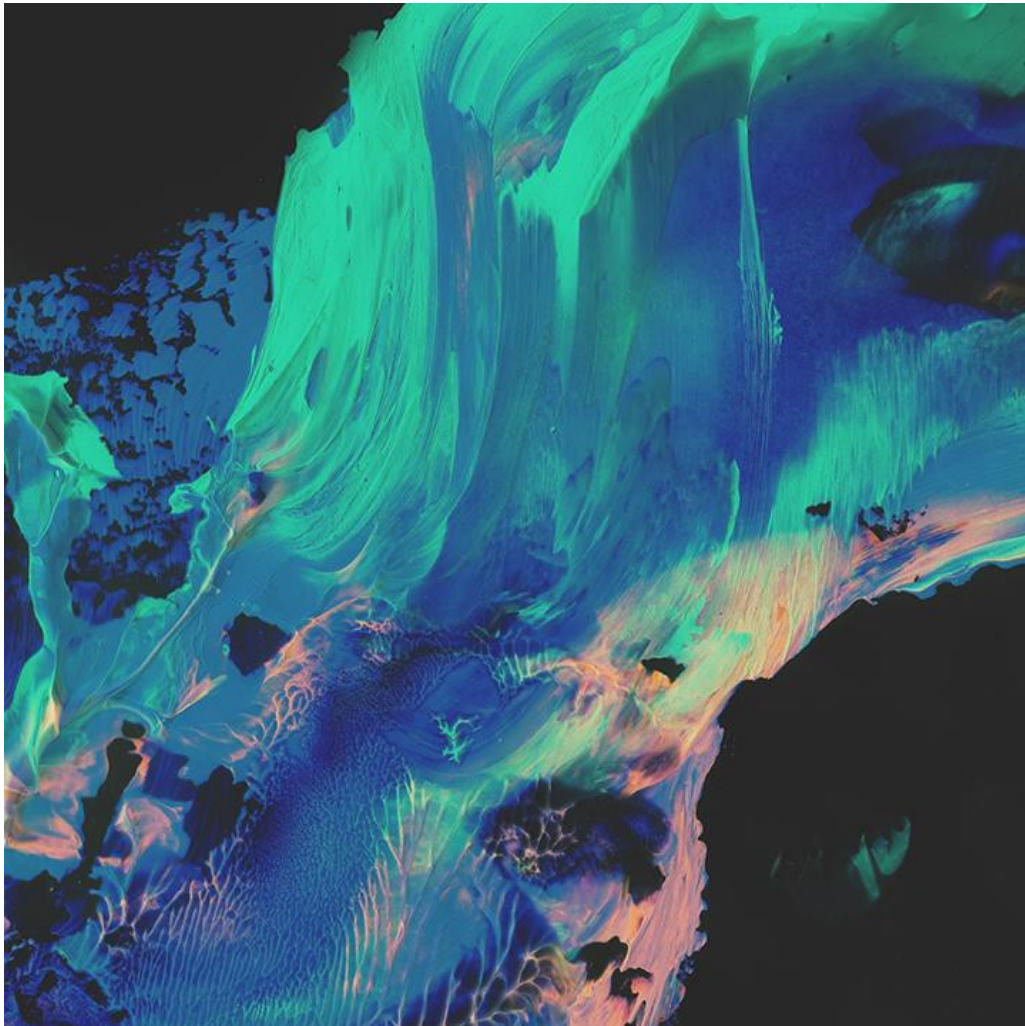




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Evaluating the usability and design of a digital questionnaire in dentistry

A qualitative pilot study



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Word in the abstract: 248

Word in text: 3981

Number of tables: 2

Number of figures: 2

Number of references: 24

ABSTRACT

Background: The use of extensive paper questionnaires are today a part of the procedure of screening and diagnostics for patients with temporomandibular dysfunction (TMD). The Diagnostic Criteria for Temporomandibular Disorders (DC/TMD) consists of a comprehensive questionnaire for psychosocial screening, named Axis II. A digital version of the Axis II has recently been developed. Before implementing the digital version in a clinical setting, patients' perspective of its usability needs to be evaluated.

Aim: This pilot study aims to explore the functionality of the chosen method and interview guide as well as evaluating the patient's experience regarding the usability and design of the digital questionnaire.

Methods: A qualitative method was used to collect data through semi-structured individual interviews according to an interview guide with thematic open questions from a total of four informants. The analysis was performed using a thematic approach.

Results: The informants were positive about the implementation of digital questionnaires in dentistry. Suggested improvements mostly concerned corrections of the layout to facilitate a better overview and control.

Conclusion: We believe that a digital version of DC/TMD axis II could be well accepted among adult patients and is a suitable part of the management of TMD. Our conclusion is that minor changes regarding the design will enhance the user experience. The method used, including the interview guide, were found appropriate and could be implemented in further studies on a larger study population. We are of the opinion that the implication of digital questionnaires in today's dentistry could benefit patients.