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Virtual articulators – systematic review

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Abstract:

Purpose: Digital developments have led to the opportunity of Virtual reality technologies that have a strong impact on dentistry**.** One such recent innovations in virtual field is related to the development of a simulant to mechanical articulator called virtual articulator. **The aim of this systematic review is to provide an update on the current knowledge, to report on the technical progress in the field of virtual articulators.**

Materials and Methods: Searches were performed electronically (PUBMED, SCIENCE DIRECT, RESEARCH GATE and GOOGLE SCHOLAR) from 2011 to 2020 for studies of Virtual articulators. Inclusion criteria were limited to human studies reporting on the virtual mounting, virtual articulators.

Results: Of the 811titles retrieved, 30 abstracts and, subsequently,18 full texts were selected for review.

Conclusion: The virtual articulator is a precise software tool dealing with the functional aspects of occlusion substituting mechanical articulators and hence avoiding errors and minimizing corrections. The concept of virtual articulator will change conventional ways of production and communication in dentistry and begin to replace the mechanical tools.Accuracy of virtual articulators are superior to that of the mechanical methods saving chair time and labour works

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