

Title: Digital hybrid orthodontic treatment: A case study

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Hybrid application of clear aligners can be a rational and efficient approach for treating malocclusions, as compared with a clear aligner therapy alone option in which the magnitude of some movements would require a higher number of aligners and likely further refinement.

A case study patient, with no medical problems, underwent a hybrid digital treatment with two phases to treat Class II div 2, brachycephalic pattern and a retrognathic mandible: an extraction of two first premolars with fixed orthodontic as a first phase and clear alignment treatment as a second phase.

The findings? A combined use of aligners and fixed orthodontic treatment is an efficacious means of resolving orthodontic issues such as class II, dental cross-bite, and crowding within a relative short time-frame comparable to conventional orthodontic methods, and with excellent esthetics and functional results.

Biography

Dr. Khaled Kasem has more than 15 years of experience in his field. He currently works exclusively in orthodontics being the chief of orthodontists at Impress while also combining his work at the University of Barcelona as a research coordinator in the orthodontic department. He has studied for a master's degree in Orthodontics and has a diploma in advanced techniques in dentistry. He has publications in renowned journals such as the American Journal of Orthodontics & Dentofacial Orthopedics or Photo medicine & Laser Surgery.