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In-house Aligners – what's up!? Problems and solution strategies for challenging cases in In-house Aligner planning

Over the last 25 years, Aligner therapy has become an integral part of orthodontic treatment. Despite significant advances in material technology and digital treatment planning, challenges and clinical limitations remain when it comes to complex tooth movements.

Based on current scientific publications, the evidence-based limits of Aligner effectiveness will be analysed and the effects on planned treatment goals discussed. Subsequently, different solution strategies for challenging cases will be presented, focusing on the advantages of In-house Aligner production. Selection of different Aligner foils for different treatment objectives allows optimum use of the different mechanical properties of the Aligners. In combination with individual staging protocols and the use of hybrid techniques, the discrepancy between digital simulation and clinical reality can thus be minimised.