

New Preliminary Study Shows FXClear™ Offers Greater Efficiency and Predictability

New clinical study comparing OrthoFX™ FXClear™ to Invisalign™ Aligner System demonstrates that FXClear achieved significantly shorter treatment duration, fewer total visits, fewer aligners used, and more precise planned-to-final geometric fidelity than Invisalign, all while maintaining comparable finishing quality in mild-to-moderate malocclusion cases.

✓ Shorter Treatment Duration

FXClear cases completed treatment in an average of 17.3 months compared to 23.0 months for Invisalign—a reduction of nearly six months or 25% ($p=.005$).

✓ Fewer Aligners

FXClear cases required an average total of 49 aligners versus 82 for Invisalign—a 40% reduction ($p<.001$).

✓ Comparable Finishing Quality

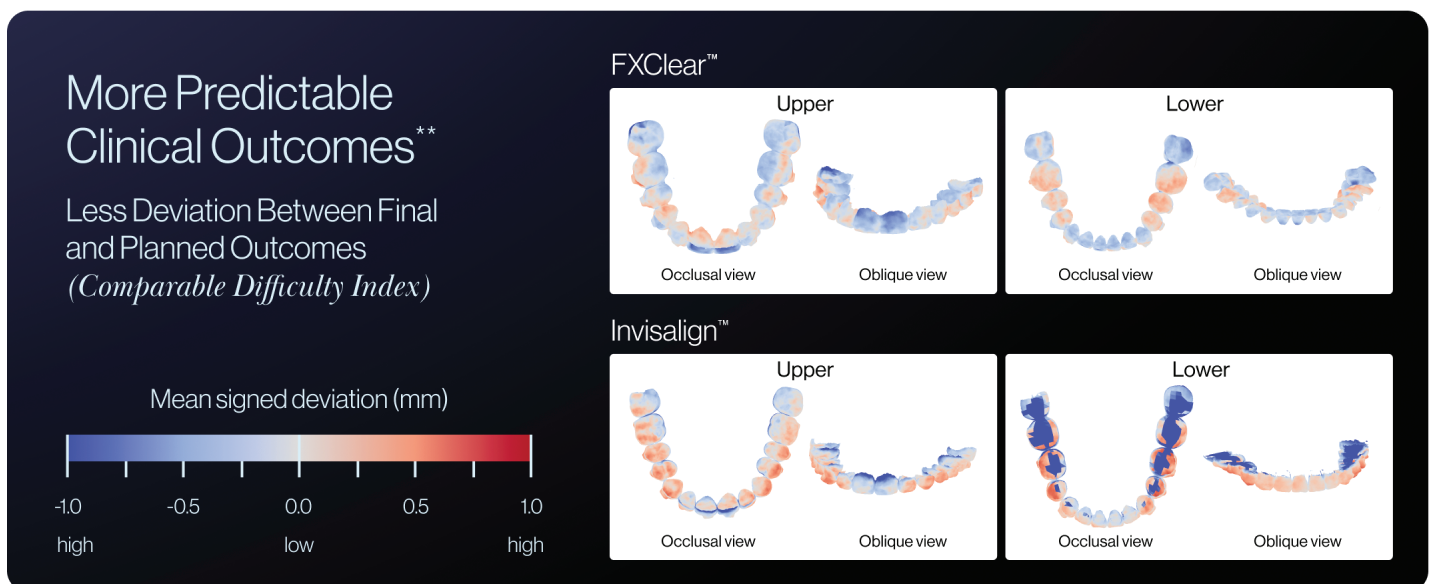
Modified ABO Objective Grading System scores confirmed that both systems achieved comparable clinical outcomes at the end of treatment. ($n=10$ for each group).

✓ Fewer Total Visits

FXClear cases averaged 12.6 total visits compared to 15.4 for Invisalign ($p=.001$), driven by significantly fewer virtual visits (2.3 vs. 5.5; $p<.001$). In-office visits remained comparable between groups ($p=.533$). While essential chairside appointments for attachments, IPR, and finishing remain, fewer extra monitoring and troubleshooting check-ins were needed.

✓ Greater Treatment Precision

3D superimposition analysis of planned vs. actual treatment outcomes showed FXClear ($n=14$) achieved significantly lower deviation (RMS) in both the upper arch ($p=.0005$) and lower arch ($p=.0001$), with 39–43% of surface points falling within ± 0.5 mm tolerance compared to only 27–28% for Invisalign ($n=14$).



The study, titled “Treatment Effectiveness of FXClear Aligner: A Comparison Clinical Study”, was conducted across three private orthodontic practices and evaluated 111 cases (54 FXClear cases and 57 Invisalign cases) with comparable baseline malocclusion severity (American Board of Orthodontics Discrepancy Index (DI) scores of 13.20 vs. 14.70; $p=.056$). Both groups were treated by the same orthodontist using identical 7-day aligner change protocols, ensuring a controlled comparison.