

smart
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predictability index



Great Lakes Orthodontics is now Great Lakes Dental Technologies



Our predictability index provides a baseline for case outcomes so our projections will always be realistic. The guidelines on the following charts are estimates and influenced by patient compliance, tooth anatomy, and many other factors. The jaws and malocclusion should always be considered in addition to these parameters. These guidelines are not without exceptions and are not a guarantee — They're references that help contribute to successful cases for you and your patients. Movements listed as unpredictable are not recommended or indicated for clear aligner treatment.

»»»» predictability by malocclusion

TYPE OF MALOCCLUSION	WITH CLEAR ALIGNER TREATMENT			PRE-ALIGNER OPTIONS TO TREAT LESS PREDICTABLE CASES	
	VERY PREDICTABLE	MODERATELY PREDICTABLE	UNPREDICTABLE	PRE-ALIGNER STRATEGY	IMPACT ON SUBSEQUENT ALIGNER SEQUENCE LENGTH
CROWDING	0-3mm	3-6mm	6mm+	Removable pre-aligner Fixed pre-aligner	10-20% less aligners than with clear aligner therapy only 20-30% less aligners than with clear aligner therapy only
SPACING	0-3mm	3-6mm	6mm+	TADs	20-30% less aligners than with clear aligner therapy only
OVERJET	0-3mm	3-5mm	5mm+	Pre-aligners or TADs	20-30% less aligners than with clear aligner therapy only
OVERBITE	0-2mm	2-4mm	4mm+	Pre-aligners or TADs	20-30% less aligners than with clear aligner therapy only
OPEN BITE	0-1mm	1-2mm	2mm+	TADs	20-30% less aligners than with clear aligner therapy only
MIDLINE	0-2mm	2-4mm	4mm+	Pre-aligners TADs	20-30% less aligners than with clear aligner therapy only 20-40% less aligners than with clear aligner therapy only

To learn more about pre-aligner appliance options, please call our technical specialists at 800.828.7626.
Pre-Aligner Strategies developed in conjunction with Dr. Duane Grummons.

»»»» predictability by tooth movement

MOVEMENT TYPE	TOOTH	VERY PREDICTABLE	MODERATELY PREDICTABLE	UNPREDICTABLE
FACIAL-LINGUAL TIPPING	Anterior	0-5°	5-15°	15°+
	Posterior	0-5°	5-15°	15°+
MESIAL-DISTAL TIPPING	Anterior	0-5°	5-10°	10°+
	Posterior	0-5°	5-10°	10°+
TORQUE	Anterior	0-5°	5-10°	10°+
	Posterior	0-3°	3-6°	6°+
ROTATION	Incisors	0-15°	15-30°	30°+
	Canines	0-10°	10-15°	15°+
	Premolars	0-5°	5-15°	15°+
	Molars	0-5°	5-10°	10°+
TRANSLATION	Anterior/Posterior	0-2mm	2-3mm	3mm+
INTRUSION	Incisors	0-1mm	1-2m	2mm+
	Premolars	0-.5mm	.5-1mm	1mm+
	Molars	0-.5mm	.5-1mm	1mm+
EXTRUSION	Incisors	0-1mm	1-2mm	2mm+
	Premolars	0-.5mm	.5-1mm	1mm+
	Molars	0-.5mm	.5-1mm	1mm+

»»» predictability of arch form adjustment

In this chart, you'll see the five categories of arch form adjustment. The overall movement within an arch is dictated by the teeth and alveolar bone within the arch. Every one of your patients are uniquely different, and can display varying results.

MOVEMENT TYPE	TOOTH	VERY PREDICTABLE	MODERATELY PREDICTABLE	UNPREDICTABLE
ARCH FORM ADJUSTMENT	Distalize	0-2mm	2-4mm	4mm+
	Mesialize	0-2mm	2-4mm	4mm+
	Lingualize	0-2mm	2-3mm	3mm+
	Anteriors Forward	0-2mm	2-3mm	3mm+
	Width Expansion	0-2mm	2-4mm	4mm+

800.828.7626 > smartmovesaligners.com