

Appendix

Outcome of comprehensive fixed appliance orthodontic treatment: a systematic review with meta-analysis and methodological overview

Appendix A. A priori eligibility criteria used in the review.

Domain	Inclusion	Exclusion
Participants	Human patients of any age*/sex*/ethnicity*/malocclusion* that are planned to receive comprehensive orthodontic treatment	Animal studies
Interventions	Comprehensive orthodontic treatment with fixed appliances on all teeth (with the possible exception of second molars) in a one-phase or a two-phase treatment with any co-interventions	Any orthodontic treatment that did not include a comprehensive phase with fixed appliances at all
	-	Comprehensive orthodontic treatment with novel appliances that have not yet been assessed by robust clinical evidence (aligners, lingual appliances, CAD/CAM- or surgery-assisted appliances)
Comparisons	No separate comparison group (single-group cohort studies)	-
	Similar patients that receive comprehensive treatment differing from the "Intervention" group only in the administered intervention or co-intervention (including patient, appliance or treatment characteristics)	-
Outcome – primary	Occlusal outcome after fixed appliance orthodontic treatment, assessed with the ABO OGS tool	-
Outcome – secondary	Treatment duration in months	-
Study design	Randomized controlled trials (parallel)	Cross-sectional studies that assess previous extractions
	Non-randomized prospective or retrospective clinical cohort studies with a single patient group	Case reports/ case series
	Non-randomized prospective or retrospective clinical cohort studies with at two or more experimental groups	Non-clinical studies (in vitro, ex vivo, in silico, etc)
		Systematic reviews (after checked for additional studies)

*this factor's role is planned to be assessed through subgroup/meta-regression analyses