

Table 2. Main characteristics of the studies included in the systematic review.

Author (year)	Type/Design of MAD	Treatment time mean	SNA (°)	SNB (°)	ANB (°)	Facial Height (mm)	Mandibular Plane Angle (°)	Overjet (mm)	Overbite (mm)	Upper teeth position (°)	Lower teeth position (°)
Almeida F. et al. (2006)	Klearway	7.3 y	Class I subgroup, from 0.9° (<6 y) to -0.8° (>8y)	N/A	+0.5°	TAFH: +1.8; ALFH: +1.8	SN-MP: +0.7°; PP-MP: +1.0°. SN-MP from -0.1° (<6 y) to 1.9° (>8y)	-2.6	-2.8	U1-SN: -3.1°; U1-PP: -3.5°	L1-MP: + 6.6°
Bacon W. et al. (2000)	Twin Block type joined into single unit	2 y	N/S change	+1.7°	N/A	TAFH: + 7.4	SN-MP: +3°	N/A	N/A	N/A	N/A
Battagel J. and Kotecha B. (2005)	Herbst Mandibular Advancement Splint	2 y	N/A	N/A	N/A	N/A	N/A	-0.5	-0.4	N/A	N/A
Chen et al. (2008)	Klearway	7.4 y	N/A	N/A	N/A	N/A	N/A	-1.15 to -1.55	-1.25 to -1.69	N/A	N/A
Doff M. et al. (2010)	Thornton Adjustable Positioner	2 y	N/S change	-0.4°	N/A	TAFH: +0.9; ALFH: +0.8	N/A	-1.7	-1	UI-MxP: -2°	LI-MP: +3.7°
Fransson A. (2003)	Heat Cured MMA Resin MAD	2 y	N/S change	-0.4°	N/A	TAFH: + 0.7	SN-MP: + 0.4°	-0.5	-0.8	N/A	LI-MP: + 1.5°
Hammond R. et al. (2007)	2 Piece Acrylic Design	25 m	N/S change	N/S change	N/S change	N/S change	N/S change	-0.2	-0.3	N/S change	proclination: +0.96°, protrusion: +0.52 (in mm)
Hou H. et al. (2006)	Harvold Monoblock Type of Functional Appliance	3 y	N/S change	N/S change	N/A	TAFH: +0.7; ALFH: +0.8; LPFH: +0.6; TPFH: +0.4	MP-SN: +0.3°	> 3y: -0.8	-0.6	N/A	N/A
Knappe S. et al. (2017)	2 Piece Custom Made Hard Acrylic Design	3 y	N/A	N/A	N/A	N/A	N/A	N/A	-1.1	N/A	N/A
Marklund M. et al (2001)	Monoblock MAD with full occlusal coverage	2.5 y	N/A	N/A	N/A	N/A	N/A	-0.4	-0.4	N/A	N/A
Marklund M. (2006)	Monoblock MAD with full	5 y	N/A	N/A	N/A	N/A	N/A	-0.6	-0.6	N/A	N/A

	occlusal coverage										
Martinez J. et al. (2010)	2 Full Coverage Acrylic Splints	4.8 y	N/A	N/A	N/A	N/A	N/A	>14m: -0.76, >21m: -0.85, >58m: -1.1	>14m: -0.58, >21m: -0.72, >58m: -0.81	N/A	N/A
Ringqvist M. et al. (2003)	Monoblock MAD	4 y	N/S change (A-A')	-0.6 (B-B' in mm)	N/A	N/A	SN-MP: +0.5°	N/S change	N/S change	N/S change	N/S change
Robertson C. et al. (2003)	Non-adjustable Rigid Splint	2 y	+0.32°	N/A	+0.29°	TAFH: +0.76	N/A	-0.87	-0.61	-1.58°	L1-MP: +2.71°
Teixeira A. et al. (2017)	Twin Block	6.4 m	N/A	N/A	N/A	N/A	N/A	-0.61	-0.76	N/A	IMPA: +2.2°
Wang X. et al. (2015)	Silensor Appliance	4 y	N/S change	N/S change	N/S change	TAFH < 3 y: +1.21, > 3 y: +1.56; ALFH < 3 y: +1.46, > 3 y: +1.52	MP-FH: < 3 y: +1.25°, > 3 y: +1.48°	> 4y: -1.03	<3 y: -0.59, > 4y: -1.01	U1-SN: -1.49°; U1-NA: -1.41°	L1-MP: +0.94°; L1-NB: +1.02°

ALFH, anterior lower facial height; FH, Frankfort horizontal plane; LPFH, lower posterior facial height; MP, mandibular plane; MxP, maxillary plane; N/A, not applicable; N/S, not significant; OB, overbite; OJ, overjet; TAFH, total anterior facial height; TPFH, total posterior facial height.