

Table S1. Search command.

Database	Search Command
Pubmed	<p>(("alveolar bone"[Title/Abstract] OR "alveolar plate"[Title/Abstract] OR (("alveolar"[All Fields] OR "alveolarization"[All Fields] OR "alveolars"[All Fields]) AND "shelf"[Title/Abstract]) OR "buccal bone"[Title/Abstract] OR "buccal plate"[Title/Abstract] OR "buccal shelf"[Title/Abstract] OR "facial bone"[Title/Abstract] OR "facial plate"[Title/Abstract] OR (("face"[MeSH Terms] OR "face"[All Fields] OR "facial"[All Fields] OR "facials"[All Fields]) AND "shelf"[Title/Abstract]) OR "bundle bone"[Title/Abstract] OR "alveolar crest"[Title/Abstract] OR "alveolar ridge"[Title/Abstract] OR "alveolar bone thickness"[Title/Abstract] OR "alveolar bone width"[Title/Abstract] OR (("alveolar"[All Fields] OR "alveolarization"[All Fields] OR "alveolars"[All Fields]) AND "plate thickness"[Title/Abstract]) OR (("alveolar"[All Fields] OR "alveolarization"[All Fields] OR "alveolars"[All Fields]) AND "plate width"[Title/Abstract]) OR (((("alveolar"[All Fields] OR "alveolarization"[All Fields] OR "alveolars"[All Fields]) AND "shelf"[All Fields]) AND "thickness"[Title/Abstract]) OR ((("alveolar"[All Fields] OR "alveolarization"[All Fields] OR "alveolars"[All Fields]) AND "shelf width"[Title/Abstract]) OR "buccal bone thickness"[Title/Abstract] OR "buccal bone width"[Title/Abstract] OR "buccal plate thickness"[Title/Abstract] OR "buccal plate width"[Title/Abstract] OR (((("buccal"[All Fields] OR "buccally"[All Fields]) AND "shelf"[All Fields]) AND "thickness"[Title/Abstract]) OR ((("buccal"[All Fields] OR "buccally"[All Fields]) AND "shelf width"[Title/Abstract]) OR "facial bone thickness"[Title/Abstract] OR ((("face"[MeSH Terms] OR "face"[All Fields] OR "facial"[All Fields] OR "facials"[All Fields]) AND "bone width"[Title/Abstract]) OR "facial plate thickness"[Title/Abstract] OR ((("face"[MeSH Terms] OR "face"[All Fields] OR "facial"[All Fields] OR "facials"[All Fields]) AND "plate width"[Title/Abstract]) OR (((("face"[MeSH Terms] OR "face"[All Fields] OR "facial"[All Fields] OR "facials"[All Fields]) AND "shelf"[All Fields]) AND "thickness"[Title/Abstract]) OR ((("face"[MeSH Terms] OR "face"[All Fields] OR "facial"[All Fields] OR "facials"[All Fields]) AND "shelf width"[Title/Abstract]) OR ((("bundle"[All Fields] OR "bundle s"[All Fields] OR "bundled"[All Fields] OR "bundles"[All Fields] OR "bundling"[All Fields]) AND "bone thickness"[Title/Abstract]) OR ((("bundle"[All Fields] OR "bundle s"[All Fields] OR "bundled"[All Fields] OR "bundles"[All Fields] OR "bundling"[All Fields]) AND "bone width"[Title/Abstract]) OR "alveolar crest thickness"[Title/Abstract] OR "alveolar crest width"[Title/Abstract] OR "alveolar ridge thickness"[Title/Abstract] OR "alveolar ridge width"[Title/Abstract]) AND ("Tooth"[Title/Abstract] OR "Teeth"[Title/Abstract] OR "maxilla*"[Title/Abstract] OR "mandib*"[Title/Abstract] OR "Incisor"[Title/Abstract] OR "Canine"[Title/Abstract] OR "Premolar"[Title/Abstract] OR "Molar"[Title/Abstract]) AND ("cone beam computed tomography"[MeSH Terms] OR "CT"[Title/Abstract] OR "CBCT"[Title/Abstract] OR "Tomography"[Title/Abstract] OR "cone beam computed tomography"[Title/Abstract] OR "computed tomography"[Title/Abstract] OR "ct imaging"[Title/Abstract] OR "cbct imaging"[Title/Abstract])</p> <p>Filter: "Humans"</p>
Medline	<p>#1 (alveolar bone):ti,ab,kw #2 (alveolar plate):ti,ab,kw #3 (alveolar shelf):ti,ab,kw #4 (buccal bone):ti,ab,kw #5 (buccal plate):ti,ab,kw #6 (buccal shelf):ti,ab,kw #7 (facial bone):ti,ab,kw #8 (facial plate):ti,ab,kw #9 (facial shelf):ti,ab,kw #10 (bundle bone):ti,ab,kw #11 (alveolar crest):ti,ab,kw #12 (alveolar ridge):ti,ab,kw #13 (alveolar bone thickness):ti,ab,kw #14 (alveolar bone width):ti,ab,kw #15 (alveolar plate thickness):ti,ab,kw #16 (alveolar plate width):ti,ab,kw</p>

#17 (alveolar shelf thickness):ti,ab,kw
#18 (alveolar shelf width):ti,ab,kw
#19 (buccal bone thickness):ti,ab,kw
#20 (buccal bone width):ti,ab,kw
#21 (buccal plate thickness):ti,ab,kw
#22 (buccal plate width):ti,ab,kw
#23 (buccal shelf thickness):ti,ab,kw
#24 (buccal shelf width):ti,ab,kw
#25 (facial bone thickness):ti,ab,kw
#26 (facial bone width):ti,ab,kw
#27 (facial plate thickness):ti,ab,kw
#28 (facial plate width):ti,ab,kw
#29 (facial shelf thickness):ti,ab,kw
#30 (facial shelf width):ti,ab,kw
#31 (bundle bone thickness):ti,ab,kw
#32 (bundle bone width):ti,ab,kw
#33 (alveolar crest thickness):ti,ab,kw
#34 (alveolar crest width):ti,ab,kw
#35 (alveolar ridge thickness):ti,ab,kw
#36 (alveolar ridge width):ti,ab,kw
#37 #1 OR #2 OR #3 OR #4 OR #5 OR #6 OR #7 OR #8 OR #9 OR #10 OR #11 OR #12 OR #13 OR #14 OR #15 OR #16 OR #17 OR #18 OR #19 OR #20
OR #21 OR #22 OR #23 OR #24 OR #25 OR #26 OR #27 OR #28 OR #29 OR #30 OR #31 OR #32 OR #33 OR #34 OR #35 OR #36
#38 (Tooth):ti,ab,kw
#39 (teeth):ti,ab,kw
#40 (Maxilla*):ti,ab,kw
#41 (Mandib*):ti,ab,kw
#42 (Incisor):ti,ab,kw
#43 (Canine):ti,ab,kw
#44 (Premolar):ti,ab,kw
#45 (Molar):ti,ab,kw
#46 #38 OR #39 OR #40 OR #41 OR #42 OR #43 OR #44 OR #45
#47 (cone beam computed tomography):ti,ab,kw
#48 (CT):ti,ab,kw
#49 (CBCT):ti,ab,kw
#50 (Tomography):ti,ab,kw
#51 (Computed tomography):ti,ab,kw
#52 (CT imaging):ti,ab,kw
#53 (CBCT imaging):ti,ab,kw
#54 #47 OR #48 OR #49 OR #50 OR #51 OR #52 OR #53
#55 #37 AND #46 AND #54

Table S3. Risk of bias analysis.

Study	Randomization	Blinding	Appropriate and clearly focused question of the Study	Defined criteria for 1. Inclusion 2. Exclusion	Appropriate No. of patients	Conflict of interest (COI) was stated	Source of Funding	Risk of bias
Adiguzel 2017	NA	NA	Yes	1. Yes 2. Yes	113	No COI claimed	NA	High
Al-Jandan 2013	No	NA	Yes	1. Yes 2. Yes	50	No COI claimed	No	High
AlMasri 2015	Yes	NA	Yes	1. Yes 2. No	16	No COI claimed	No	High
AlTarawneh 2017	NA	NA	Yes	1. Yes 2. Yes	120	No COI claimed	NA	High
Amid 2017	NA	NA	Yes	1. Yes 2. Yes	144	NA	No	High
Behnia 2015	Yes	NA	Yes	1. Yes 2. No	18	No COI claimed	NA	High
Botelho 2020	NA	NA	Yes	1. Yes 2. Yes	87	No COI claimed	NA	High
Chen 2017	NA	NA	Yes	1. Yes 2. Yes	16	No COI claimed	Funded	High
D'Silva 2019	NA	NA	Yes	1. Yes 2. Yes	66	No COI claimed	NA	High
Demircan 2015	NA	NA	Yes	1. Yes 2. Yes	60	NA	NA	High
El Nahass 2013	NA	NA	Yes	1. Yes 2. Yes	93	NA	NA	High
Eraydin 2017	Yes	NA	Yes	1. Yes 2. Yes	24	No COI claimed	No	Moderate
Farahamnd 2017	Yes	NA	Yes	1. Yes 2. Yes	132	NA	NA	Moderate
Foosiri 2018	Yes	NA	Yes	1. Yes 2. Yes	51	No COI claimed	No	Moderate
Gakonyo 2018	NA	NA	Yes	1. Yes 2. Yes	184	No COI claimed	NA	High
Ganji 2017	No	NA	Yes	1. Yes 2. Yes	32	No COI claimed	No	High
Gluckman 2017	NA	Yes	Yes	1. Yes 2. Yes	150	NA	NA	High
Januário 2011	NA	NA	Yes	1. Yes 2. No	250	NA	NA	High
Jin 2005	No	NA	Yes	1. Yes 2. Yes	66	NA	NA	High
Kheur 2015	No	Yes	Yes	1. Yes	150	No COI claimed	No	Moderate

				2. Yes				
Khoury 2016	NA	NA	Yes	1. No 2. Yes	47	No financial interest claimed	NA	High
Lau 2011	Yes	NA	Yes	1. Yes 2. Yes	170	NA	NA	High
Lee 2019	NA	NA	Yes	1. Yes 2. Yes	20	No COI claimed	No	High
Lin 2018	NA	NA	Yes	1. Yes 2. Yes	21	No COI claimed	Funded	High
López-Jarana 2018	NA	Yes	Yes	1. Yes 2. Yes	49	No COI claimed	Funded	Moderate
Matsuda 2016	NA	Yes	Yes	1. Yes 2. Yes	95	No financial interest claimed	NA	Moderate
Nahás-Scocate 2014	No	NA	Yes	1. Yes 2. Yes	30	NA	NA	High
Nowzari 2010	Yes	NA	Yes	1. Yes 2. Yes	101	NA	Funded	Moderate
Nucera 2017	Yes	Yes	Yes	1. Yes 2. Yes	30	NA	NA	Low
Park 2014	NA	NA	Yes	1. Yes 2. Yes	20	No COI claimed	NA	High
Pascual 2017	NA	NA	Yes	1. No 2. Yes	15	No COI claimed	NA	High
Porto 2019	NA	NA	Yes	1. Yes 2. Yes	422	No COI claimed	Funded	High
Ramanauskaite 2020	NA	NA	Yes	1. Yes 2. No	60	No COI claimed	Funded	High
Rojo-Sanchis 2017	NA	NA	Yes	1. Yes 2. Yes	44	No COI claimed	NA	High
Sendyk 2015	NA	NA	Yes	1. Yes 2. No	35	No COI claimed	NA	High
Shrestha 2019	Yes	NA	Yes	1. Yes 2. Yes	146	No COI claimed	Funded	Moderate
Temple 2015	NA	NA	Yes	1. Yes 2. Yes	265	No COI claimed	NA	High
Üner 2019	NA	NA	Yes	1. No 2. Yes	160	No COI claimed	No	High
Wang 2014	NA	NA	Yes	1. Yes 2. No	300	No COI claimed	Funded	High
Yoshimine 2012	NA	NA	Yes	1. No 2. Yes	30	No COI claimed	No	High
Younes 2015	Yes	NA	Yes	1. Yes 2. Yes	21	COI claimed: col- laboration agree- ments	Funded	High

Yuan 2018	NA	NA	Yes	1. No 2. No	40	NA	NA	High
Zahedi 2018	NA	NA	Yes	1. No 2. Yes	170	No COI claimed	NA	High
Zekry 2012	Yes	NA	Yes	1. Yes 2. Yes	200	No COI claimed	NA	Moderate
Zhang 2015	Yes	NA	Yes	1. Yes 2. Yes	105	No COI claimed	Funded	Moderate