

S2 Table. Name of the search source, date range, search platform/provider and link of all databases that were used.

Database	Search platform or provider; date range	Link
Bibliographic databases		
MEDLINE, EMBASE, CENTRAL		
MEDLINE	Pubmed; 1946 - 13 th March 2018	https://www.ncbi.nlm.nih.gov/pubmed/advanced
EMBASE	OVID; 1974 - 15 th March 2018	https://www.embase.com/search/advanced
Cochrane Central Register of Controlled Trials (CENTRAL)	Cochrane Library; 1993 - 13 th March 2018	http://onlinelibrary.wiley.com/cochranelibrary/search/
National and regional databases		
Latin America and the Caribbean (LILACS)	Biblioteca Regional de Medicina (BIREME), Pan American Health Organization (PAHO), WHO; 1982 - 13 th March 2018	http://pesquisa.bvsalud.org/portal/advanced/?lang=en
General search engines		
Google Scholar	2004 - 14 th March 2018	https://scholar.google.it/
Turning Research into Practice (TRIP) database	1997 - 14 th March 2018	https://www.tripdatabase.com/
Citation indexes		
Web of Science Core Collection - Science Citation Index / Science Citation Index Expanded	Web of Science; 1945 - 15 th March 2018	https://apps.webofknowledge.com/WOS_GeneralSearch_input.do?product=WOS&search_mode=GeneralSearch
Scopus	Elsevier; 2004 - 13 th March 2018	https://www.scopus.com/
Dissertation and theses databases		
ProQuest Dissertations & Theses Global	1938 - 15 th March 2018	https://search.proquest.com/pqdtglobal/advanced
ProQuest Dissertations and Theses – UK & Ireland	1950 - 15 th March 2018	https://search.proquest.com/pqdtuk/advanced
Grey literature databases		
OpenGrey, formerly System for Information on Grey Literature (SIGLE)	1993 - 13 th March 2018	http://www.opengrey.eu/
Journals and other non-bibliographic database sources		
Hand-searching		
American Journal of Orthodontics and Dentofacial Orthopaedics	1915 - 16 th March 2018	https://www.ajodo.org/
Angle Orthodontist	1931 - 16 th March 2018	https://www.angle.org/
Australian Journal of Orthodontics	2010 - 16 th March 2018	https://www.aso.org.au/australasian-orthodontic-journal
European Journal of Orthodontics	1979 - 16 th March 2018	https://academic.oup.com/ejo
Journal of Clinical Orthodontics	1967 - 16 th March 2018	https://www.jco-online.com/
Journal of Orthodontics	1973 - 16 th March 2018	https://www.tandfonline.com/loi/yjor20
Orthodontics & Craniofacial Research	1998 - 16 th March 2018	https://onlinelibrary.wiley.com/journal/16016343
Progress in Orthodontics	2013 - 16 th March 2018	https://progressinorthodontics.springeropen.com/
Seminars in Orthodontics	1995 - 16 th March 2018	https://www.semortho.com/
Tables of contents		
British Library Direct	1930 - 16 th March 2018	https://ondemand.bl.uk/onDemand/home
Current Contents Connect – Clinical Medicine	Web of Science; 1998 - 15 th March 2018	https://apps.webofknowledge.com/CCC_GeneralSearch_input.do?product=CCC&search_mode=GeneralSearch
Scientific Electronic Library Online (SciELO) Citation Index	Web of Science; 1997 - 15 th March 2018	https://apps.webofknowledge.com/SCIELO_GeneralSearch_input.do?product=SCIELO&search_mode=GeneralSearch

S2 Table (continued). Name of the search source, date range, search platform/provider and link of all databases that were used.

Database	Search platform or provider; date range	Link
Conference abstracts or proceedings		
BIOSIS Citation Index	Web of Science; 1969 - 15 th March 2018	https://apps.webofknowledge.com/BCI_GeneralSearch_input.do?product=BCI&search_mode=GeneralSearch
Web of Science Core Collection – Conference Proceedings Citation Index – Science	Web of Science; 1990 - 15 th March 2018	https://apps.webofknowledge.com/WOS_GeneralSearch_input.do?product=WOS&search_mode=GeneralSearch
ISI Proceedings	2004 - 16 th March 2018	http://www.proceedings.com/
Other reviews, guidelines and reference lists as sources of studies		
Cochrane Database of Systematic Reviews (CDSR)	Cochrane Library; 1993 - 13 th March 2018	http://onlinelibrary.wiley.com/cochranelibrary/search/
Database of Abstracts of Reviews of Effects (DARE)	Cochrane Library; 1993 - 13 th March 2018	http://onlinelibrary.wiley.com/cochranelibrary/search/
Health Technology Assessment Database (HTA Database)	Cochrane Library; 1993 - 13 th March 2018	http://onlinelibrary.wiley.com/cochranelibrary/search/
NHS Economic Evaluation Database (NHS EED)	Cochrane Library; 1993 - 13 th March 2018	http://onlinelibrary.wiley.com/cochranelibrary/search/
Unpublished and ongoing studies		
ClinicalTrials.gov register	From inception - 16 th March 2018	https://clinicaltrials.gov/
Current controlled trials metaRegister of Controlled Trials (mRCT) – active and archived registers	From inception - 16 th March 2018	https://www.controlled-trials.com/mrct/
International prospective register of systematic reviews (PROSPERO)	From inception - 16 th March 2018	https://www.crd.york.ac.uk/prospero/#searchadvanced