

Table S1. Search strategy

A. Search strategy (Medline and Scopus)
1. dental implant
2. dental implantology
3. implant dentistry
4. guideline
5. practice guideline
6. academy reports
7. consensus reports
8. recommendations
9. position paper
10. dental implant statement
11. clinical protocols
12. Evidence-based practice
13. abutment
14. implant body
15. osseointegration
16. dental implant placement
17. primer stability
18. sinus floor elevation
19. implant treatment
20. implant treatment plans
21. Short dental implants
22. edentulous maxillary
23. edentulous mandibular
24. nonsurgical treatment

25. surgical treatment
26. peri-mucositis
27. peri-implant tissues
28. peri-implantitis
29. soft tissue augmentation
30. antibiotic
31. CBCT
32. All on four
33. 1 or 2 or 3
34. 4 or 5 or 6 or 7 or 8 or 9 or 10 or 11 or 12
35. 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
36. 33 and 34
37. 34 and 35
B. Search Strategy (Google Search for Association Guidelines)
1. Periodontology
2. Implantology
3. Implant dentistry
4. Prosthodontics
5. Osseointegration
6. Maxillofacial Surgeons
7. Maxillofacial Radiology
8. Academy
9. Association
10. College
11. Society
12. Council
13. Federation
14. 1 OR 2 OR 3 OR 4 OR 5 OR 6 OR 7
15. 8 OR 9 OR 10 OR 11 OR 12 OR 13
16. 14 AND 15

**Searches were made on the websites of the associations found with the terms "guideline", "implant guideline" and "practice guideline".

Table S2. List of scrutinized National and International Dental Associations

Association Name	Association Web site
Academy of Australian & New Zealand Prosthodontists	https://www.aanzp.com.au/
Academy of Dentistry International	https://www.adint.org/
Academy of Osseointegration	https://osseo.org/
Academy of Prosthodontics	https://www.academyofprosthodontics.org/
American Academy of Implant Dentistry	https://www.aaid.com/
American Academy of Oral and Maxillofacial Radiology	https://aaomr.org/

Association Name	Association Web site
American Academy of Periodontology	https://www.perio.org/
American Association of Oral and Maxillofacial Surgeons	https://www.aaoms.org/
American College of Prosthodontists	https://www.prosthodontics.org/
American Dental Association	https://www.ada.org/
Asia Pacific Academy of Implant Dentistry	http://www.apaid.asia/
Asia Pacific Society of Osseointegration	https://osseo.asia/
Asian Academy of Oral and Maxillo-Facial Radiology	http://www.aaomfr.org/
Asian Academy of Osseointegration	http://www.aao-org.com/
Asian Academy of Prosthodontics	http://aap-org.com/
Asian Association of Oral and Maxillofacial Surgeons	https://www.asianaoms.org/
Asian Pacific Society of Periodontology	http://www.apsperio.org/
Association of Dental Implantology	https://www.adi.org.uk/
Association of Prosthodontists of Canada	https://www.prosthodontics.ca/
Australasian Osseointegration Society	https://www.aos.org.au/
Australian and New Zealand Association of Oral&Maxillofacial Surgeons	https://www.anzaoms.org/
Australian and New Zealand Association of Periodontology	https://www.anzap.org.au/
Australian Central Association of Dentists	https://www.acadconferences.com.au/
Australian Prosthodontic Society	https://www.prosthodontics.com.au/
Australian Society of Implant Dentistry	https://www.asid.org.au/
Australian Society of Periodontology	https://www.asp.asn.au/
British Academy of Dental Implantology	http://www.baid.org.uk/
British Association of Oral & Maxillofacial Surgeons	https://www.baoms.org.uk/
British Association of Oral Surgeons	https://www.baos.org.uk/
British Dental Association	https://bda.org/
British Society of Implant Dentistry	https://www.bsid-uk.com/
British Society of Periodontology	https://www.bsperio.org.uk/
Canadian Academy of Periodontology	https://www.cap-acp.ca/
Canadian Association of Oral and Maxillofacial Surgeons	https://www.caoms.com/
Canadian Dental Association	https://www.cda-adc.ca/
Chinese American Dental Association	http://cadany.org/
Council of European Dentists	https://cedentists.eu/
European Academy of Dentomaxillofacial Radiology	https://eadmfr.eu/
European Association for Cranio Maxillo Facial Surgery	https://www.eacmfs.org/
European Association for Osseointegration	https://eao.org/
European Federation of Periodontology	https://www.efp.org/
European Prosthodontic Association	https://www.epadental.org/
International Academy of Periodontology	https://www.perioiap.org/
International Association of Dental Research	https://www.iadr.org/
International Association of Oral and Maxillofacial Surgeons	https://www.iaoms.org/
International College of Prosthodontics	https://www.icp-org.com/
The American College of Oral and Maxillofacial Surgeons	https://www.acoms.org/
The American Prosthodontic Society	https://www.prostho.org/
The British Academy of Implant & Restorative Dentistry	https://bairdacademyuk.com/
The British Society of Dental and Maxillofacial Radiology	https://www.bsdmfr.org.uk/
The British Society of Prosthodontics	https://www.bsspd.org/
The International Association of DentoMaxilloFacial Radiology	https://iadmfr.one/

Table S3. Quality appraisal domains (AGREE II)

Items and domains of the AGREE II instrument.

Items	Domains	Items
1	Scope and Purpose	The overall objective(s) of the guideline is (are) specifically described.
2		The health question(s) covered by the guideline is (are) specifically described.
3		The population (patients, public, etc.) to whom the guideline is meant to apply is specifically described.
4	Stakeholder Involvement	The guideline development group includes individuals from all relevant professional groups.
5		Stakeholder involvement
6		The views and preferences of the target population (patients, public, etc.) have been sought. The target users of the guideline are clearly defined.
7	Rigour of Development	Systematic methods were used to search for evidence. Rigor of development
8		The criteria for selecting the evidence are clearly described.
9		The strengths and limitations of the body of evidence are clearly described.
10		The methods for formulating the recommendations are clearly described.
11		The health benefits, side effects, and risks have been considered in formulating the recommendations.
12		There is an explicit link between the recommendations and the supporting evidence.
13		The guideline has been externally reviewed by experts before its publication.
14	A procedure for updating the guideline is provided.	
15	Clarity of Presentation	The recommendations are specific and unambiguous. Clarity of presentation
16		The different options for management of the condition or health issue are clearly presented.
17		Key recommendations are easily identifiable.
18	Applicability	The guideline describes facilitators and barriers to its application. Applicability
19		The guideline provides advice and/or tools on how the recommendations can be put into practice.
20		The potential resource implications of applying the recommendations have been considered.
21		The guideline presents monitoring and/or auditing criteria.
22	Editorial Independence	The views of the funding body have not influenced the content of the guideline. Editorial independence
23		Competing interests of guideline development group members have been recorded and addressed.

Table S4. General characteristics of included clinical practice guidelines in implant dentistry.

Ref	First author	Ref	Year	Country*	Level of economic development	Multinational contribution	Contribution by developing countries	Publication type*	Consensus statements	Clinical recommendations	Recommendations for research	With systematic review	Professional clinical experience/opinions	Literature review	Systematic review	Explicit consensus methods	Methods for CPGG development	Use of GRADE criteria
(25)	Iacono, V.J.	(25)	2000	USA	HIE	No	No	PS	Yes	No	Yes	No	Yes	No	Yes	No	No	No
(26)	Cawood, J.I.	(26)	2000	UK	HIE	Yes	No	CR	Yes	Yes	No	No	No	No	Yes	No	No	No
(27)	White, S.C.	(27)	2001	USA	HIE	No	No	CPG	No	Yes	No	No	No	No	Yes	No	No	No
(28)	Harris, D.	(28)	2002	Ireland	HIE	Yes	No	CR	No	Yes	Yes	No	No	No	Yes	No	No	No
(29)	Feine, J.S.	(29)	2002	Canada	HIE	Yes	Yes	CR	Yes	No	No	No	No	No	Yes	No	No	No
(30)	Aparicio, C.	(30)	2003	Spain	HIE	Yes	No	CR	No	Yes	No	No	No	No	Yes	No	No	No
(31)	Misch, C.E.	(31)	2005	USA	HIE	No	No	CR	No	Yes	No	No	No	No	Yes	No	No	No
(32)	Misch, C.E.	(32)	2006	USA	HIE	No	No	CR	No	Yes	No	No	Yes	No	Yes	No	No	No
(33)	Hobkirk, J.A.	(33)	2006	UK	HIE	Yes	No	CR	Yes	Yes	Yes	No	Yes	No	Yes	No	No	No
(34)	Handelsman, M.	(34)	2006	USA	HIE	No	No	CPG	No	Yes	No	No	No	No	Yes	No	No	No
(35)	Neukam, F.W.	(35)	2006	Germany	HIE	Yes	No	CR	Yes	No	Yes	Yes	No	No	Yes	No	No	No
(36)	Klinge, B.	(36)	2006	Germany	HIE	Yes	No	CR	Yes	Yes	Yes	No	Yes	No	Yes	No	No	No
(37)	Zöllner, A.	(37)	2007	Germany	HIE	Yes	No	CR	Yes	Yes	Yes	Yes	No	No	Yes	No	No	No
(38)	Tonetti, MS.	(38)	2008	Switzerland	HIE	No	No	CR	No	Yes	Yes	Yes	No	No	Yes	No	No	No
(39)	Misch, C.E.	(39)	2008	USA	HIE	Yes	No	CR	No	Yes	No	No	No	No	Yes	No	No	No
(40)	Gotfredsen, K.	(40)	2008	Denmark	HIE	Yes	No	CR	No	Yes	No	Yes	No	No	No	No	No	No
(41)	Lindhe, J.	(41)	2008	Germany	HIE	Yes	No	CR	No	Yes	Yes	No	No	No	Yes	No	No	No
(42)	Palmer, R.M.	(42)	2008	UK	HIE	Yes	No	CR	Yes	Yes	Yes	Yes	No	No	Yes	No	No	No
(43)	Jokstad, A.	(43)	2008	Canada	HIE	Yes	No	CR	Yes	No	Yes	Yes	No	No	Yes	No	No	No
(44)	Thomason, J.M.	(44)	2009	UK	HIE	No	No	CR	Yes	No	No	No	Yes	No	No	No	No	No
(45)	Lang, N.P.	(45)	2011	China	MIE	Yes	No	CR	Yes	No	No	Yes	No	No	Yes	No	No	No
(46)	Gotfredsen, K.	(46)	2012	Denmark	HIE	Yes	No	CR	Yes	Yes	Yes	Yes	No	No	Yes	No	No	No
(47)	Tonetti, M.	(47)	2012	Italy	HIE	Yes	No	CR	No	No	Yes	Yes	No	No	Yes	No	No	No
(48)	Albrektsson, T.	(48)	2012	Sweden	HIE	Yes	No	CR	Yes	Yes	Yes	Yes	No	No	No	No	No	No
(49)	Sanz, M.	(49)	2012	Spain	HIE	Yes	No	CR	No	Yes	Yes	Yes	No	No	No	No	No	No
(50)	Benavides, E.	(50)	2012	USA	HIE	Yes	Yes	CR	No	Yes	No	No	Yes	No	No	No	No	No
(51)	Tyndall, D.A.	(51)	2012	USA	HIE	No	No	CPG	No	Yes	No	No	No	No	No	No	No	No
(52)	Harris, D.	(52)	2012	Ireland	HIE	Yes	No	CPG	No	Yes	No	No	No	No	No	No	No	No
(53)	Lang, N.P.	(53)	2012	China	MIE	Yes	Yes	CR	No	Yes	Yes	Yes	No	No	Yes	No	No	No

Ref	First author	Ref	Year	Country*	Level of economic development	Multinational contribution	Contribution by developing countries	Publication type*	Consensus statements	Clinical recommendations	Recommendations for research	with systematic review	Professional clinical experience/opinions	Literature review	Systematic review	Explicit consensus methods	Methods for CPGG development	Use of GRADE criteria
(54)	Klinge, B.	(54)	2012	Sweden	HIE	Yes	No	CR	Yes	Yes	Yes	Yes	No	No	Yes	No	No	No
(55)	Testori, T.	(55)	2012	Italy	HIE	Yes	No	CR	Yes	Yes	No	No	No	No	No	No	No	No
(56)	Albrektsson, T.	(56)	2012	Germany	HIE	Yes	No	CR	Yes	No	No	No	No	No	No	No	No	No
(57)	Johal, A.	(57)	2013	UK	HIE	Yes	No	CR	No	Yes	No	No	No	No	Yes	No	No	No
(58)	Bornstein, M.M.	(58)	2014	Switzerland	HIE	Yes	No	CR	Yes	Yes	Yes	Yes	No	No	No	No	No	No
(59)	Schwarz, F.	(59)	2014	Germany	HIE	Yes	No	CR	Yes	Yes	No	Yes	No	No	No	No	No	No
(60)	Tonetti, MS.	(60)	2014	Italy	HIE	Yes	No	CR	No	Yes	Yes	Yes	No	No	No	No	No	No
(61)	Hämmerle, C.H.F.	(61)	2014	Switzerland	HIE	Yes	No	CR	Yes	No	Yes	Yes	No	No	No	No	No	No
(62)	Machuca-Portillo, G.	(62)	2014	Spain	HIE	No	No	CR	Yes	No	No	Yes	No	No	Yes	No	No	No
(63)	Alani A	(63)	2014	UK	HIE	No	No	CR	No	Yes	No	No	No	No	No	No	No	No
(64)	Wismeijer, D.	(64)	2014	Netherlands	HIE	Yes	No	CR	Yes	Yes	Yes	Yes	No	No	No	No	No	No
(65)	Gallucci, G.O.	(65)	2014	USA	HIE	Yes	No	CR	Yes	Yes	Yes	Yes	No	No	Yes	No	No	No
(66)	No authors listed	(66)	2014	Germany	HIE	No	No	CR	Yes	Yes	No	Yes	No	No	Yes	No	No	No
(67)	Canullo, L.	(67)	2015	Italy	HIE	Yes	Yes	CR	Yes	Yes	No	Yes	No	No	Yes	No	No	No
(68)	Jepsen, S.	(68)	2015	Germany	HIE	Yes	Yes	CR	Yes	Yes	Yes	Yes	No	No	Yes	No	No	No
(69)	Klinge, B.	(69)	2015	Sweden	HIE	Yes	Yes	CR	Yes	No	Yes	Yes	No	No	Yes	No	No	No
(70)	Sanz, M.	(70)	2015	Spain	HIE	Yes	Yes	CR	No	Yes	No	Yes	No	No	No	No	No	No
(71)	Sicilia, A.	(71)	2015	Spain	HIE	Yes	No	CR	Yes	Yes	Yes	Yes	No	No	No	No	No	No
(72)	Hämmerle, C.H.F.	(72)	2015	Switzerland	HIE	Yes	No	CR	Yes	Yes	Yes	No	No	No	Yes	No	No	No
(73)	Dula, K.	(73)	2015	Switzerland	HIE	No	No	CR	No	Yes	No	Yes	No	No	Yes	No	No	No
(74)	Schwarz, F.	(74)	2016	Germany	HIE	Yes	No	CR	Yes	Yes	No	Yes	Yes	Yes	No	No	No	No
(75)	Bidra, A.S.	(75)	2016	USA	HIE	No	No	CPG	No	Yes	No	Yes	No	No	Yes	No	No	No
(76)	Schwarz, F.	(76)	2016	Germany	HIE	Yes	No	CR	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	No
(77)	Butterworth, C.	(77)	2016	UK	HIE	No	No	CPG	No	Yes	No	No	No	Yes	Yes	No	No	No
(78)	Alsahhaf, A.	(78)	2016	Germany	HIE	Yes	Yes	Lit Rev	No	Yes	No	no	Yes	No	Yes	No	No	No
(79)	Stacchi, C.	(79)	2016	Italy	HIE	Yes	No	CR	Yes	Yes	Yes	Yes	Yes	No	No	No	No	No
(80)	Suárez-López, F.	(80)	2016	USA	HIE	Yes	No	CR	Yes	Yes	Yes	Yes	Yes	No	Yes	No	No	No
(81)	Tözüm, T.F.	(81)	2016	USA	HIE	Yes	Yes	CR	Yes	Yes	Yes	Yes	Yes	No	Yes	No	No	No
(82)	Albrektsson, T.	(82)	2016	Sweden	HIE	Yes	No	CR	Yes	No	No	Yes	No	No	Yes	No	No	No
(83)	No authors listed	(83)	2016	Germany	HIE	No	No	CR	No	Yes	No	Yes	Yes	No	Yes	No	No	No
(84)	Aghaloo, T.L.	(84)	2016	USA	HIE	No	No	CPG	No	Yes	No	Yes	Yes	No	Yes	No	No	No
(85)	No authors listed	(85)	2016	USA	HIE	No	No	CPG	No	Yes	No	Yes	Yes	Yes	No	No	No	No
(86)	No authors listed	(86)	2016	USA	HIE	No	No	CPG	No	Yes	No	Yes	Yes	No	Yes	No	No	No
(87)	No authors listed	(87)	2016	USA	HIE	No	No	CPG	No	Yes	No	Yes	Yes	No	Yes	No	No	No
(88)	No authors listed	(88)	2016	USA	HIE	No	No	CPG	No	No	No	Yes	Yes	No	Yes	No	No	No

Ref	First author	Ref	Year	Country*	Level of economic development	Multinational contribution	Contribution by developing countries	Publication type*	Consensus statements	Clinical recommendations	Recommendations for research	with systematic review	Professional clinical experience/opinions	Literature review	Systematic review	Explicit consensus methods	Methods for CPGG development	Use of GRADE criteria
(89)	Yuan Q	(89)	2017	China	MIE	Yes	Yes	Lit Rev	No	Yes	No	No	Yes	No	Yes	No	No	No
(90)	Tallarico, Marco	(90)	2018	Italy	HIE	Yes	Yes	CR	Yes	Yes	No	Yes	Yes	No	Yes	No	No	No
(91)	Morton, D.	(91)	2018	USA	HIE	Yes	Yes	CR	Yes	Yes	Yes	Yes	Yes	No	Yes	No	No	No
(92)	Jung, R.E.	(92)	2018	Switzerland	HIE	Yes	Yes	CR	Yes	Yes	Yes	Yes	Yes	No	Yes	No	No	No
(93)	Feine, J.	(93)	2018	Canada	HIE	Yes	Yes	CR	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	No
(94)	Hämmerle, C.H.F.	(94)	2018	Switzerland	HIE	Yes	No	CR	Yes	Yes	Yes	Yes	Yes	No	Yes	No	No	No
(95)	Schliephake, H.	(95)	2018	Germany	HIE	Yes	No	CR	Yes	Yes	Yes	Yes	Yes	No	Yes	No	No	No
(96)	Sanz, M.	(96)	2018	Spain	HIE	Yes	Yes	CR	Yes	Yes	Yes	Yes	Yes	No	Yes	No	No	No
(97)	Berglundh, T.	(97)	2018	Sweden	HIE	Yes	Yes	CR	Yes	No	No	Yes	Yes	No	No	No	Yes	No
(98)	Giannobile, W.V.	(98)	2018	USA	HIE	Yes	No	CR	Yes	No	No	Yes	Yes	No	Yes	No	No	No
(99)	Heitz-Mayfield, L.J.	(99)	2018	Australia	HIE	Yes	Yes	CR	Yes	Yes	Yes	Yes	Yes	No	Yes	No	No	No
(100)	Jung, R.E.	(100)	2018	Switzerland	HIE	Yes	No	CR	Yes	Yes	Yes	Yes	No	No	No	No	No	No
(101)	Schwarz, F.	(101)	2018	Germany	HIE	Yes	No	CR	Yes	Yes	Yes	Yes	Yes	No	Yes	No	No	No
(102)	Wismeijer, D.	(102)	2018	Netherlands	HIE	Yes	Yes	CR	Yes	Yes	Yes	Yes	Yes	No	Yes	No	No	No
(103)	Van-Assche, N.	(103)	2018	UK	HIE	Yes	Yes	CR	No	No	No	No	Yes	Yes	No	No	No	No
(104)	Galindo-Moreno, P.	(104)	2019	Spain	HIE	Yes	No	CR	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	No
(105)	Renvert, S.	(105)	2019	Sweden	HIE	Yes	Yes	CR	Yes	Yes	No	Yes	Yes	Yes	Yes	No	No	No
(106)	Jepsen, S.	(106)	2019	Germany	HIE	Yes	No	CR	No	Yes	Yes	Yes	Yes	No	Yes	No	No	No
(107)	Sanz, M.	(107)	2019	Spain	HIE	Yes	Yes	CR	Yes	No	Yes	Yes	Yes	Yes	Yes	No	No	No
(108)	Tonetti, MS.	(108)	2019	China	MIE	Yes	Yes	CR	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	No
(109)	Giovannoli, J.L.	(109)	2019	France	HIE	Yes	No	CR	Yes	Yes	No	Yes	No	Yes	No	No	No	No
(110)	Khoury, F.	(110)	2019	Germany	HIE	Yes	Yes	CR	Yes	Yes	No	No	No	No	Yes	No	No	No
(111)	Meyle, J.	(111)	2019	Germany	HIE	Yes	Yes	CR	Yes	No	No	No	No	No	Yes	No	No	No
(112)	Schwarz, F.	(112)	2019	Germany	HIE	Yes	No	CR	Yes	Yes	Yes	Yes	No	No	Yes	No	No	No
(113)	American College of Prosthodontists	(113)	2019	USA	HIE	No	No	PS	No	Yes	No	No	Yes	No	Yes	No	No	No
(114)	Del Amo, F.S.L.	(114)	2020	Italy	HIE	Yes	Yes	CR	Yes	No	No	No	No	No	Yes	No	No	No

Abbreviations: USA= United States of America; UK= United Kingdom; HIE= High Income Economy; MIE= Middle Income Economy; PS= Position statement; CR= Consensus report; CPG= Clinical practice guideline; Lit Rev= Literature review