

## Appendix 1 External literature searches integrated in this study

The following external literature searches were integrated into our literature search:

- (I) The German S3 (that is, evidence and consensus based) guideline on total alloplastic joint replacement, was published in 2020 by the Arbeitsgemeinschaft der Wissenschaftlichen Medizinischen Fachgesellschaften [AWMF (study group of the German scientific medical societies) register number 007-106] (22,23). For this guideline a literature search was performed in the databases PubMed, PubMed Central, Cochrane and ZBmed and a manual search, last updated November 2019, under the search terms "temporomandibular joint [AND] prosthesis [OR] replacement [OR] reconstruction [OR] implant". National and international guidelines within the databases PubMed and Cochrane, [www.guideline.gov](http://www.guideline.gov), [www.nice.org.uk](http://www.nice.org.uk) and the websites of the European (EACMFS: European Association of Cranio-Maxillo-Facial Surgery) and American (AAOMS: American Association of Oral and Maxillofacial Surgeons) specialist medical societies for oral and maxillofacial surgery were also searched for relevant evidence. A detailed report on the methodology is presented in the respective guideline report (24).
- (II) A recent systematic literature research conducted by Niezen et al. under the title "Temporomandibular Joint Prosthesis as treatment option for mandibular condylar fractures: A systematic review and meta-analysis" (14). This systematic review was registered under PROSPERO, Number CRD42020158164 and comprised around 13,093 patients and 20,860 prostheses. The methodology used for this systematic review according to The Preferred Reporting Items for Systematic Reviews and Meta-Analyses (PRISMA) (26) is described there in detail and included studies published till December 2020. The authors kindly permitted us to cite their work and refer to their data after acceptance of their paper for publication.