**Supplementary 1.** Search strategy and terms used for the search.

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| Database and limits | Key words |
| **Semantic fields: “Temporomandibular disorders”** |  | **Semantic Field: “CR-ICP discrepancy”** |
| PubMed (n=122)Filters:Publication dates: from 1966-01-01 to 2016/05/08 | Arthralgia [MeSH Terms] OR Costen´s Syndrome [Text word] OR craniomandibular disease [Text word] OR craniomandibular disorders [MeSH Terms] OR disc displacement with reduction [Text word] OR disc displacement without reduction [Text word] OR Joint Disease [MeSH Terms]  OR Joint Pain [Text word] OR Luxation TMJ [Text word] OR Musculoskeletal Diseases [MeSH Terms] OR Musculoskeletal Pain Diseases [Text word] OR Myalgia [MeSH Terms] OR Myofascial pain [Text word] OR Myofascial Pain Dysfunction [Text word] OR Myofascial Pain Syndrome [MeSH Terms] OR Myofascial Trigger Point Pain [Text word] OR Osteoarthritis [MeSH Terms] OR Osteoarthritis temporomandibular joint [Text word] OR Osteoarthritis TMJ [Text word] OR Osteoarthrosis temporomandibular joint [Text word] OR Osteoarthrosis TMJ [Text word] OR Subluxation TMJ [Text word] OR Synovitis [MeSH Terms] OR Temporomandibular Disorders [Text word] OR Temporomandibular Joint Diseases [Text word] OR Temporomandibular Joint Disorders [MeSH Terms] OR Temporomandibular Joint Dysfunction Syndrome [MeSH Terms] OR Temporomandibular Joint Syndrome [Text word] OR TMD [Text word] OR TMJ Diseases [Text word] OR TMJ Disorders [Text word] OR TMJ Pain [Text word] OR TMJ Syndrome [Text word]  | **AND** | Centric relation-maximum intercuspation discrepancy [Text word] OR centric relation-maximum intercuspation disharmony [Text word] OR Adaptive condylar displacement [Text word] OR CR - MI discrepancy [Text word] OR CR - MI disharmony [Text word] OR Centric relation - intercuspal position discrepancy [Text word] OR CR-CO discrepancy [Text word] OR Centric Relation-Centric Occlusion discrepancy [Text word] OR Centric Slide [Text word] OR Centric Discrepancy [Text word] |
| The Cochrane Library (n=117)Limits:Database: TrialsPublication years: to 2016  | Costen's Syndrome [Text word] OR Craniomandibular Disease tiab [Text word] OR Craniomandibular Disorders tiab [MeSH Terms] OR disc displacement with reduction tiab [Text word] OR disc displacement without reduction tiab [Text word] OR myofascial pain tiab [Text word] OR Myofascial Pain Dysfunction [Text word] OR Myofascial Pain Syndromes tiab [MeSH Terms] OR osteoarthritis TMJ tiab [Text word] OR osteoarthrosis temporomandibular joint tiab [Text word] OR osteoarthrosis TMJ tiab [Text word] OR Subluxation TMJ tiab [Text word] OR Temporomandibular Disorders tiab [Text word] OR Temporomandibular Joint Diseases tiab [Text word] OR Temporomandibular Joint Disorders tiab [MeSH Terms] OR Temporomandibular Joint Dysfunction Syndrome tiab [MeSH Terms] OR Temporomandibular Joint Syndrome tiab [Text word] OR TMD tiab [Text word] OR TMJ Disease tiab [Text word] OR TMJ Disorders tiab [Text word] OR TMJ Syndrome tiab [Text word] OR TMJ pain tiab [Text word]  | **AND** | Centric relation-maximum intercuspation discrepancy tiab [Text word] OR Centric Relation-Centric Occlusion discrepancy tiab [Text word] OR Centric Slide tiab [Text word] OR centric discrepancy tiab [Text word] |
| EBSCOhost (n=26)Limits:Document type: Article | Arthralgia [MeSH Terms] OR Costen's Syndrome [Text word] OR Craniomandibular Disease [Text word] OR Craniomandibular Disorders [MeSH Terms] OR Disc displacement with reduction [Text word] OR disc displacement without reduction [Text word] OR Luxation TMJ [Text word] OR TMJ pain [Text word] OR TMJ disease [Text word] OR TMJ disorder [Text word] OR TMJ Syndrome [Text word] OR Musculoskeletal Diseases [MeSH Terms] OR Musculoskeletal Pain [MeSH Terms] OR Myalgia [MeSH Terms] OR Myofascial Pain Dysfunction [Text word] OR Myofascial Pain Syndromes [MeSH Terms] OR Myofascial Trigger Point Pain [Text word] OR Osteoarthritis temporomandibular joint [Text word] OR TMJ Osteoarthritis [Text word] OR osteoarthrosis temporomandibular joint [Text word] OR Osteoarthrosis TMJ [Text word] OR Synovitis [MeSH Terms] OR Temporomandibular Disorders [Text word] OR Temporomandibular Joint Diseases [Text word] OR Temporomandibular Joint Disorders [MeSH Terms] OR Temporomandibular Joint Dysfunction Syndrome [MeSH Terms] OR TMD [Text word] OR Temporomandibular Joint Syndrome [Text word] OR Transtornos da Articulação Temporomandibular [DeCS Terms] OR Trastornos Craneomandibulares [Text word] | **AND** | centric slide [Text word] OR centric discrepancy [Text word] OR Centric relation-maximum intercuspation discrepancy [Text word] OR centric relation-maximum intercuspation disharmony [Text word] OR discrepancy between centric relation and maximal intercuspation [Text word] OR CR - MI discrepancy [Text word] OR centric relation - intercuspal position discrepancy [Text word] OR CR-CO discrepancy [Text word] OR Centric Relation-Centric Occlusion discrepancy [Text word] |
| Embase-Medline (n=51) | temporomandibular disorders [Text word] OR tmd [Text word] OR craniomandibular disease [Text word] OR craniomandibular disorders [MeSH terms] OR myofascial pain [Text word] OR osteoarthritis [MeSH terms] OR osteoarthrosis [Text word] OR synovitis [MeSH terms] OR temporomandibular joint disorders [MeSH terms] OR TMJ Disease [Text word] OR TMJ Disorders [Text word] OR TMJ pain [Text word] OR TMJ Syndrome [Text word] OR Transtornos Craniomandibulares [Text word] | **AND** | adaptive condylar displacement [Text word] OR centric slide [Text word] OR centric discrepancy [Text word] OR CR-CO discrepancy [Text word] |
| Scopus (n=124)Limits:Source type: ArticleDate range: 1960-2016Subject area: Dentistry | temporomandibular joint disorders [MeSH terms] OR temporomandibular disorders [Text word] OR TMD [Text word] | **AND** | centric slide [Text word] OR centric relation [MeSH terms] OR dental occlusion [MeSH terms] OR maximum intercuspation [Text word] OR intercuspal position [Text word]  |
| BIREME (n=21)Limits:Publication date: To 2016 | Temporomandibular disorders [Text word] OR Costen's Syndrome [Text word] OR Craniomandibular Disease [Text word] OR Craniomandibular Disorders [MeSH Terms] OR luxation TMJ [Text word] OR subluxation TMJ [Text word] OR osteoarthrosis temporomandibular joint [Text word] OR Osteoarthritis temporomandibular joint [Text word] | **AND** | centric slide [Text word] |
| Lilacs (n=1)Limits:Publication date: To 2016 | Transtornos da Articulação Temporomandibular [DeCS Terms] OR Transtornos Craniomandibulares [DeCS Terms] OR Temporomandibular Joint Syndrome [MeSH Terms] OR Temporomandibular Joint Disorders [MeSH Terms] OR Temporomandibular Joint Diseases [Text word] OR Synovitis [MeSH Terms] OR Osteoarthritis [MeSH Terms] OR Myalgia [MeSH Terms] OR temporomandibular disorders [Text word] OR TMD [Text word] OR Craniomandibular Disorders [MeSH Terms] | **AND** | Centric discrepancy [Text word] OR CR-CO discrepancy [Text word] |
| Scielo (n=5)Limits:Publication date: to 2016 | (TMD [Text word] OR Costen's Syndrome [Text word] OR TMJ Disease [Text word] OR TMJ pain [Text word] OR Temporomandibular Disorders [Text word] OR synovitis [MeSH Terms] OR Osteoarthritis [MeSH Terms] OR Myalgia [MeSH Terms]) | **AND** | (centric discrepancy [Text word] OR discrepancia en céntrica [Text word] OR deslizamiento en céntrica [Text word]) |