**Appendix 1.** Detailed description of the search performed in various databases.

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| **Database** | **Search** | **Criteria & Results** |
| PubMed<https://www.ncbi.nlm.nih.gov/pubmed/>  | (((((head OR heads OR craniofacial OR cranial OR cranium OR mandib\* OR maxilla\* OR (cranial base) OR zygoma\*)))) AND (superimpos\*[Title] OR registrat\*[Title)) AND ((((computed tomography) OR (computerized tomography) OR (cone beam tomography) OR (CBCT) OR (three-dimensional CT) OR (three dimensional CT) OR (3-dimensional CT) OR (3D CT) OR (CT scan) OR (CT scans) OR (quantitative CT) OR (qualitative CT) OR (CT analysis) OR (tomography analysis)))) | Publication date: Up to 2019/11/17Limits: HumansSearch Builder: All FieldsResults: 509 MatchesInclusion: 17 Studies |
| EMBASE<https://www.embase.com/#search>  | (head OR heads OR craniofacial OR cranial OR cranium OR mandib\* OR maxilla\* OR (cranial AND base) OR zygoma\*) AND (superimpos\* OR registrat\*) AND (computed AND tomography OR (computerized AND tomography) OR (cone AND beam AND tomography) OR cbct OR ('three dimensional' AND ct) OR (three AND dimensional AND ct) OR ('3 dimensional' AND ct) OR (3d AND ct) OR (ct AND scan) OR (ct AND scans) OR (quantitative AND ct) OR (qualitative AND ct) OR (ct AND analysis) OR (tomography AND analysis)) AND (2000:py OR 2001:py OR 2002:py OR 2003:py OR 2004:py OR 2005:py OR 2006:py OR 2007:py OR 2008:py OR 2009:py OR 2010:py OR 2011:py OR 2012:py OR 2013:py OR 2014:py OR 2015:py OR 2016:py OR 2017:py OR 2018:py OR 2019:py) AND 'human'/de AND 'article'/it AND ([adolescent]/lim OR [adult]/lim OR [school]/lim OR [young adult]/lim) | Publication date:Up to 2019/11/17Limits: HumansSearch Builder: All FieldsSpecial function used: NoResults: 698 MatchesInclusion: 10 Studies |
| Google Scholar<https://scholar.google.ch>  | With the exact phrase: 3D superimpositionWith at least one of the words: head OR heads OR craniofacial OR cranial OR vs OR cranium OR and OR mandible\* OR maxilla\* OR “cranial base” OR zygoma\* | Publication date:Up to 2019Limits: HumansSearch Builder: All FieldsResults: 797 Matches (First 500 studies screened)Inclusion: 13 Studies |
| With the exact phrase: 3D registrationWith at least one of the words: head OR heads OR craniofacial OR cranial OR vs OR cranium OR and OR mandible\* OR maxilla\* OR “cranial base” OR zygoma\* | Publication date: Up to 2019/11/17Limits: HumansSearch Builder: All FieldsResults: 15'400 Matches (First 500 studies screened)Inclusion: 1 study |
| Cochrane Library<https://www.cochranelibrary.com> | head or heads or craniofacial or cranial or cranium or mandible\* or maxilla\* or "cranial base" or zygoma or superimpos\* or registrat\* or "computerized tomography" or "cone beam tomography" or CBCT or "three-dimensional CT" or "three dimensional CT" or "3-dimensional CT" or "3D CT" or "CT scan" or "CT scans" or "quantitative CT" or "qualitative CT" or "CT analysis" or "tomography analysis" | Publication date:Up to 2019/11/17Limits: HumansSearch Builder: All FieldsResults: 536 MatchesInclusion: 0 Studies |
| OpenGrey<http://opengrey.eu> | 3D superimposition, 3-D superimposition, 3 Dimensional superimposition, 3-Dimensional superimposition, three-dimensional superimposition, 3D registration, 3-D registration, 3 Dimensional registration, 3-Dimensional registration, three-dimensional registration | Publication date:Up to 2019/11/17Results: 0 MatchesInclusion: 0 Studies |
| GreyLiteratureReport<http://www.greylit.org>  | 3D superimposition, 3-D superimposition, 3 Dimensional superimposition, 3-Dimensional superimposition, three-dimensional superimposition, 3D registration, 3-D registration, 3 Dimensional registration, 3-Dimensional registration, three-dimensional registration | Publication date:Up to 2019/11/17Search Builder: Full textResults: 0 MatchesInclusion: 0 Studies |