

Appendix 1. Search strategy

| Database | Search |
|---|---|
| PubMed/MEDLINE (January 17 th , 2017) | ("neck circumference"[All Fields] OR "neck circumferences"[All Fields]) AND ("obesity"[MeSH Terms] OR "obesity"[All Fields] OR "obesities"[All Fields] OR "obese"[All Fields] OR "overweight"[MeSH Terms] OR "overweight"[All Fields]) AND ("body mass index"[MeSH Terms] OR "body mass index"[All Fields] OR "BMI"[All Fields] OR "weight status"[All Fields]) |
| Cochrane ^a , Science Direct ^a , Scopus ^{a,b} , Web of Science ^b (January 17 th , 2017) | ("neck circumference" OR "neck circumferences") AND ("obesity" OR "obesities" OR "obese" OR "overweight") AND ("body mass index" OR "BMI" OR "weight status") |
| LILACS (January 17 th , 2017) | "neck circumference" OR "circunferência do pescoço" OR "circunferencia del cuello" OR "circunferencia cervical" OR "neck circumferences" OR "circunferências do pescoço" OR "circunferencias del cuello" OR "circunferencias cervical" AND "obesity" OR "obesidade" OR "obesidad" OR "obesities" OR "obese" OR "obeso" OR "obesos" OR "obesa" OR "obesas" OR "overweight" OR "sobrepeso" OR "excesso de peso" OR "exceso de peso" AND "body mass index" OR "índice de massa corporal" OR "índice de masa corporal" OR "BMI" OR "IMC" OR "weight status" OR "estado nutricional" |
| Google Scholar (January 17 th , 2017) | "neck circumference" AND obesity OR overweight AND "body mass index" (without patents or citations) |

^aRefined by "title, abstract and key-words"

^bRefined by "Article" and/or "Article in press"