### Search strategies

**Medline (Ovid)**

Search on 19.11.2018, 1470 references, Update from 2018 to Current on 20.08.2020: 541 references

<table>
<thead>
<tr>
<th>Nr.</th>
<th>Searches</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>exp Diabetes Mellitus/</td>
</tr>
<tr>
<td>2.</td>
<td>Diabetes.tw</td>
</tr>
<tr>
<td>3.</td>
<td>or/1-2</td>
</tr>
<tr>
<td>4.</td>
<td>Africa.tw</td>
</tr>
<tr>
<td>5.</td>
<td>Exp Africa/</td>
</tr>
<tr>
<td>6.</td>
<td>Algeria$.tw or exp Algeria/</td>
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<tr>
<td>7.</td>
<td>Ango$.tw or exp Angola/</td>
</tr>
<tr>
<td>8.</td>
<td>Benin$.tw or exp Benin/</td>
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<td>9.</td>
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<td>16.</td>
<td>Comoros$.tw or exp Comoros/</td>
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<td>17.</td>
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<td>Democratic Republic of Congo.tw or exp Democratic Republic of Congo</td>
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<td>19.</td>
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<td>Egypt$.tw or exp Egypt/</td>
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<tr>
<td>21.</td>
<td>Equatorial Guinea$.tw or exp Equatorial Guinea/</td>
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<td>22.</td>
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<td>23.</td>
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<td>24.</td>
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<tr>
<td>25.</td>
<td>Gambia$.tw or exp Gambia/</td>
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<tr>
<td>26.</td>
<td>Ghana$.tw or exp Ghana/</td>
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<td>27.</td>
<td>Guinea$.tw or exp Guinea/</td>
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<td>28.</td>
<td>Guinea-Bissau.tw or exp Guinea-Bissau/</td>
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<td>Kenya$.tw or exp Kenya/</td>
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<tr>
<td>30.</td>
<td>Lesoth$.tw or exp Lesotho/</td>
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<tr>
<td>31.</td>
<td>Liberia$.tw or exp Liberia/</td>
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<td>32.</td>
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<td>33.</td>
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<tr>
<td>Nr.</td>
<td>Searches</td>
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<tr>
<td>35.</td>
<td>Mali.tw or exp Mali/</td>
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<tr>
<td>36.</td>
<td>Mauritania$.tw or exp Mauritania/</td>
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<td>37.</td>
<td>Mauritius$.tw or exp Mauritius/</td>
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<tr>
<td>38.</td>
<td>Morocc$.tw or exp Morocco/</td>
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<tr>
<td>39.</td>
<td>Mozambique$.tw or exp Mozambique/</td>
</tr>
<tr>
<td>40.</td>
<td>Namibia$.tw or exp Namibia/</td>
</tr>
<tr>
<td>41.</td>
<td>Niger.tw or exp Niger/</td>
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<tr>
<td>42.</td>
<td>Nigeria$.tw or exp Nigeria/</td>
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<td>43.</td>
<td>Rwanda$.tw or exp Rwanda/</td>
</tr>
<tr>
<td>44.</td>
<td>(Sao Tome and Principe).tw</td>
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<tr>
<td>45.</td>
<td>Senegal$.tw or exp Senegal/</td>
</tr>
<tr>
<td>46.</td>
<td>Seychell$.tw</td>
</tr>
<tr>
<td>47.</td>
<td>Sierra Leone.tw or exp Sierra Leone/</td>
</tr>
<tr>
<td>48.</td>
<td>Somalia$.tw or exp Somalia/</td>
</tr>
<tr>
<td>49.</td>
<td>South Africa$.tw or exp South Africa.de</td>
</tr>
<tr>
<td>50.</td>
<td>South Sudan.tw or exp South Sudan/</td>
</tr>
<tr>
<td>51.</td>
<td>Sudan$.tw or exp Sudan/</td>
</tr>
<tr>
<td>52.</td>
<td>Swaziland$.tw or exp Swaziland/</td>
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<tr>
<td>53.</td>
<td>Tanzania$.tw or exp Tanzania/</td>
</tr>
<tr>
<td>54.</td>
<td>Togo$.tw or exp Togo/</td>
</tr>
<tr>
<td>55.</td>
<td>Tunisia$.tw or exp Tunisia/</td>
</tr>
<tr>
<td>56.</td>
<td>Uganda$.tw or exp Uganda/</td>
</tr>
<tr>
<td>57.</td>
<td>Zambia$.tw or exp Zambia/</td>
</tr>
<tr>
<td>58.</td>
<td>Zimbabwe$.tw or exp Zimbabwe/</td>
</tr>
<tr>
<td>59.</td>
<td>Somaliland$.tw or exp Somaliland/</td>
</tr>
<tr>
<td>60.</td>
<td>Sahrawi Arab Democratic Republic.tw.</td>
</tr>
<tr>
<td>61.</td>
<td>or/4-60</td>
</tr>
<tr>
<td>62.</td>
<td>randomized controlled trial.pt.</td>
</tr>
<tr>
<td>63.</td>
<td>controlled clinical trial.pt.</td>
</tr>
<tr>
<td>64.</td>
<td>(randomized or randomised or randomly).ti,ab</td>
</tr>
<tr>
<td>65.</td>
<td>placebo.ti,ab.</td>
</tr>
<tr>
<td>66.</td>
<td>trial.ti,ab.</td>
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<tr>
<td>67.</td>
<td>groups.ti,ab.</td>
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<tr>
<td>68.</td>
<td>or/62-67</td>
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<tr>
<td>69.</td>
<td>3 and 61 and 68</td>
</tr>
<tr>
<td>70.</td>
<td>exp animals/ not humans.sh.</td>
</tr>
<tr>
<td>71.</td>
<td>69 not 70</td>
</tr>
<tr>
<td>72.</td>
<td>71 not (comment or editorial).pt.</td>
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</tbody>
</table>
### CENTRAL

Search on 14.01.2019, 439 trials, Update from 2018 to Current on 20.08.2020: 244 trials

<p>| | |</p>
<table>
<thead>
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<th></th>
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<tbody>
<tr>
<td>1</td>
<td>Africa, explode all trees</td>
</tr>
<tr>
<td>2</td>
<td>Algeria* or Angol* or Benin* or Botswan*</td>
</tr>
<tr>
<td>3</td>
<td>(Burkina Faso) or Burund* or Cameroon* or (Cape Verde) or (Central African Republic)</td>
</tr>
<tr>
<td>4</td>
<td>Chad* or Comoros* or Cote d'Ivoire or Congo*</td>
</tr>
<tr>
<td>5</td>
<td>Djibout* or Egypt* or (Equatorial Guinea*) or Eritrea*</td>
</tr>
<tr>
<td>6</td>
<td>Ethiop* or Gabon* or Gambia* or Ghana* or Guinea* or Guinea-Bissau</td>
</tr>
<tr>
<td>7</td>
<td>Kenya* or Lesoth* or Liberia* or Libya* or Madagascar* or Malawi*</td>
</tr>
<tr>
<td>8</td>
<td>Mali* or Mauritania* or Mauritius* or Morocc* or Mozambique* or Namibia* or Niger*</td>
</tr>
<tr>
<td>9</td>
<td>Nigeria* or Rwanda* or (Sao Tome and Principe) or Senegal* or Seychell*</td>
</tr>
<tr>
<td>10</td>
<td>Sierra Leone or Somalia* or (South Africa) or (South Sudan*) or Sudan* or Swasiland</td>
</tr>
<tr>
<td>11</td>
<td>Tanzania* or Togo* or Tunisia* or Uganda* or Zambia* or Zimbabwe* or Somaliland or (Sahrawi Arab Democratic Republic)</td>
</tr>
<tr>
<td>12</td>
<td>#1 or #2 or #3 or #4 or #5 or #6 or #7 or #8 or #9 or #10 or #11</td>
</tr>
<tr>
<td>13</td>
<td>MeSH descriptor Diabetes, this term only</td>
</tr>
<tr>
<td>14</td>
<td>MESH descriptor Diabetes mellitus, explode all trees</td>
</tr>
<tr>
<td>15</td>
<td>Diabetes near 3 gestation*</td>
</tr>
<tr>
<td>16</td>
<td>Latent autoimmune diabetes in adults</td>
</tr>
<tr>
<td>17</td>
<td>Prediabetes</td>
</tr>
<tr>
<td>18</td>
<td>Insulin resistant*</td>
</tr>
<tr>
<td>20</td>
<td>HBA1C</td>
</tr>
<tr>
<td>21</td>
<td>Diabet* near 3 (angiopath* or foot orfeet or retinopath*)</td>
</tr>
<tr>
<td>22</td>
<td>Diabet* near 3 (cardiomyopathy* or coma or ketoacido* or neuropath*)</td>
</tr>
<tr>
<td>23</td>
<td>#13 or #14 or #15 or #16 or #17 or #18 or #19 or #20 or #21</td>
</tr>
<tr>
<td>32</td>
<td>#12 and #23</td>
</tr>
</tbody>
</table>

### CINAHL

Search on 20.08.2020: 19 results

(Africa$ or Africa$ or Algeria$ or Angol$ or Benin$ or Botswan$ or (Burkina Faso) or Burund$ or Cameroon$ or (Cape Verde) or (Central African Republic) or Chad$ or Comoros$ or Cote d'Ivoire or Congo$ Djibout$ or Egypt$ or (Equatorial Guinea$) or Eritrea$
or Ethiopia or Gabon or Gambia or Ghana or Guinea or Guinea-Bissau or Kenya or Lesotho or Liberia or Libya or Madagascar or Malawi or Mali or Mauritania or Mauritius or Morocco or Mozambique or Namibia or Niger or Nigeria or Rwanda or (Sao Tome and Principe) or Senegal or Seychelles or Sierra Leone or Somalia or (South Africa) or (South Sudan) or Sudan or Swaziland or Tanzania or Togo or Tunisia or Uganda or Zambia or Zimbabwe or Somaliland or (Sahrawi Arab Democratic Republic)

in Abstract

AND
diabetes in Abstract
AND
randomized or rct or randomized in Abstract
AND
In English
AND
Peer-reviewed
And
Humans

International Clinical Trials Registry Platform

Search on 9.-10.10.2019, update on 25.08.2020 (registration January 2019 to 31.08.2020)

http://apps.who.int/trialsearch/AdvSearch.aspx

1. Africa or African in the Title and diabetes or diabetic or HbA1c in the condition,
   Recruitment status: all: 90 records for 90 trials (9.10.2019)

2. diabetes or diabetic or HbA1c in the condition
   Recruitment status: all
   Countries of recruitment: Algeria or Angola or Benin or Botswana or Burkina Faso or Burundi or Cameroon or Central African Republic or Chad or Congo or Cite D'ivoire: 96 record for 63 trials

3. diabetes or diabetic or HbA1c in the condition
   Recruitment status: all
   Countries of recruitment: Democratic Republic of Congo or Djibouti or Egypt or Equatorial Guinea or Eritrea or Ethiopia: 292 records for 159 trials

4. diabetes or diabetic or HbA1c in the condition
   Recruitment status: all
   Countries of recruitment: Gabon or Gambia or Ghana or Guinea or Guinea-Bissau or Kenya or Lesotho or Liberia or Libya: 22 records for 22 trials

5. diabetes or diabetic or HbA1c in the condition
Recruitment status: all
Countries of recruitment: Madagascar or Malawi or Mali or Mauritania or Mauritius or Morocco or Mozambique: 96 records for 34 trials

6. diabetes or diabetic or HbA1c in the condition
Recruitment status: all
Countries of recruitment: Nigeria: 13 records for 13 trials

7. diabetes or diabetic or HbA1c in the condition
Recruitment status: all
Countries of recruitment: Namibia or Niger or Rwanda or (Sao Tome and Principe) or Senegal or Seychelles or Sierra Leone or Somalia or South Sudan or Sudan or Swaziland:
11 records for 11 trials

8. diabetes or diabetic or HbA1c in the condition
Recruitment status: all
Countries of recruitment: South Africa: 1528 records for 429 trials:

9. diabetes or diabetic or HbA1c in the condition
Recruitment status: all
Countries of recruitment: Togo or Tunisia or Ujanda or Zambia or Zimbabwe: 129 records for 50 trials
**African Journals Online**

https://www.ajol.info/index.php/index/search/search?query=%28diabetes+or+diabetic+or+hba1c%29+and+%28random+or+randomized+or+randomised%29&dateFromYear=2004&dateFromMonth=01&dateFromDay=1&dateToYear=2020&dateToMonth=10&dateToDay=14&authors=

Advanced search 14.10.2020  
Titel: (diabetes or diabetic or hba1c) and (random or randomized or randomised)  
30 results

**African Index Medicus Database**

http://indexmedicus.afro.who.int/aim/opac_css/index.php?lvl=search_result&get_query=4

Advanced search 14.10.2020  
Titel, Expression booléenne: (diabetes or diabetic or hba1c) and (random or randomized or randomised)  
122 results, no potentially eligible references
1 List of included and excluded studies

1.1 List of included studies

Abaza 2017
Abaza H, Marschollek M, Schulze M. SMS Education for the Promotion of Diabetes Self-Management in Low & Middle Income Countries: A Randomized Controlled Trial in Egypt. Studies in Health Technology & Informatics. 2017;245:1209.

Abdulrhman 2013

Adibe 2013

Adjej 2015

Ali 2019

Amendezo 2017

Anderson 2001

Ayanwu 2016

Ashoush 2016

Asuako 2017

Beyuo 2015

Chraibi 2017

Debussche 2018

Distiller 2014

El Gayar 2019

El-Haggar 2015

El-Makaky 2020

El-Shamy 2018
El-Shamy FF, El-Kholy SS, Labib M, Kabel AM. Ameliorative potential of acupressure on gestational diabetes mellitus: a randomized controlled trial. Journal of complementary and integrative medicine. 2018; 16(1).

El-Sheikh 2019

El-Sharkawy 2016

Elbarbary 2016

Elbarbary 2018

Elbarbary 2020

Embaby 2016

Essien 2017

Fairall 2016

Fayehun 2018

Ghoneim 2013

Hailu 2018

Ibrahim 2014

Krawinkel 2018

Labhardt 2011

Maharaj 2016

**Malek 2015**


**Marais 2018**


**Malipa 2013**


**Mash 2014**


**Matter 2020**


**Mohamad 2009**


**Moustafa 2019**


**Muchiri 2016**

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Salem 2010

Sodipo 2017

Somanah 2012

Steyn 2013

Takenga 2014

Tawfik 2016

Thuita 2020

Tsobgny-Tsague 2018

Utz 2018
van der Hoogt 2017

van Rooijen 2004

Webb 2015


Yakoot 2019

Yan 2014
1.2 List of excluded studies

1.2.1 Other design (28 references)

1. Abd El Hameed AA, Shreif HE, Mowafy HE. The role of continuing metformin therapy during pregnancy in the reduction of gestational diabetes and improving pregnancy outcomes in women with polycystic ovary syndrome. Middle east fertility society journal. 2011;16(3):204-8.


1.2.2 Other population (32 references)


26. Rizk AY, Bedaiwy MA, Al-Inany HG. N-acetyl-cysteine is a novel adjuvant to clomiphene citrate in clomiphene citrate-resistant patients with polycystic ovary syndrome. Fertility and sterility. 2005;83(2):367-70.


1.2.3 Other intervention (8 references)


1.2.4 Other comparison (1 reference)


1.2.5 Other outcome (7 references)


1.2.7 Other publications (41 references)


