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|-------------------------------------|---------------|
| MEDLINE | (n=47) |
| CINAHL | (n=18) |
| EMBASE | (n=96) |
| Cochrane library | (n=51) |
| JBI library | (n=3) |
| SIGLE | (n=0) |
| http://controlled-trials.com | (n=24) |



Potentially relevant articles identified
(n= 239)



Clearly not meeting the inclusion criteria after screening for all titles and abstracts (n= 229):

- | | |
|-----------------------------------------------|-----------|
| 1) did not receive protocol-directed | 67 |
| 2) irrelevant comparison group | 21 |
| 3) multiple publication from one study | 64 |
| 4) Population mixed | 28 |
| 5) paediatric population | 26 |
| 6) Involved in DKA care | 9 |
| 7) missing data | 4 |
| 8) Target blood glucose higher | 10 |

Hard copies of all potentially relevant articles retrieved:
1) through the above search (n=10) AND
2) sifting through reference lists (n=7)
(total = 17)



Irrelevant articles excluded after detailed evaluation of full text. Due to:

- 1) Population mixed with other medical and surgical patients**
- 2) Irrelevant comparison group, (i.e. computer-based algorithm)**
- 3) Target blood glucose higher than 180mg/dL (10mmol/L)**

(n= 10)

Abbreviation: n= number of

Eligible studies included in systematic review (n= 7)