

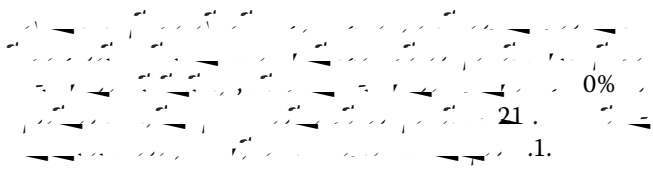
Background

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## Search results and study selection

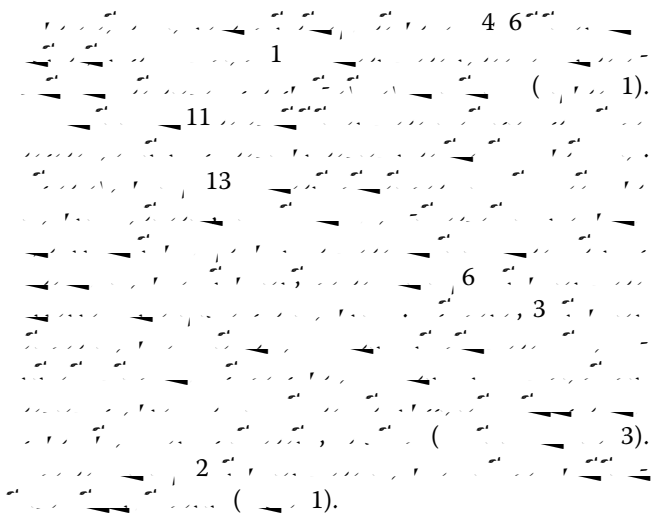
[The content of this section is illegible due to heavy redaction.]



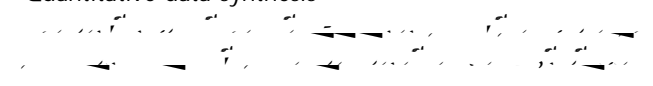


Results

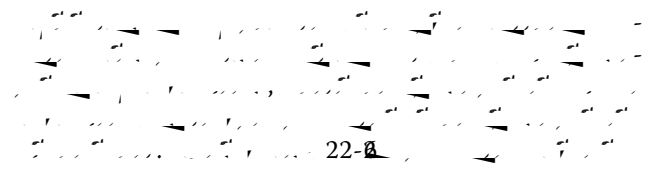
Identification of studies



Quantitative data synthesis



1. Liquid feeds: reduced lactose versus regular lactose  
*Acidemia*



*Pe . e . d a . ea*

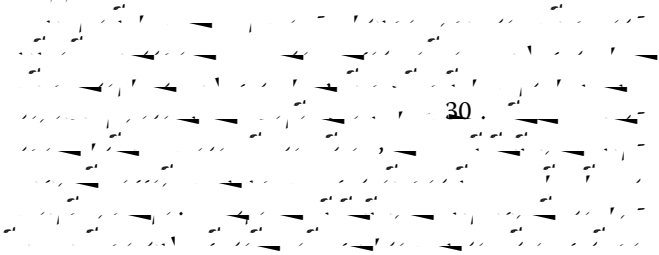




Table 3 Quality assessment of studies on lactose-free versus lactose-containing liquid feeds

| Number of studies             | Diarrhea mode | Design | QUALITY ASSESSMENT |             |  | SUMMARY OF FINDINGS         |  |   |
|-------------------------------|---------------|--------|--------------------|-------------|--|-----------------------------|--|---|
|                               |               |        | Limitations        | Consistency | Generalizability to population of interest | Overall quality of evidence | Number of events in intervention group | Number of events in control group             |
| OUTCOME: DURATION OF DIARRHEA |               |        |                    |             |  |                             |  |   |
|                               |               | A      | ---                | ( = 0%)     | , --- (≤ )                                 | -                           | -                                      | Standardized Mean Difference<br>0.0, 0.0, 0.0 |
| 0                             | 0             | A      | ---                | -           | -  | -                           | -                                      | -   |
| OUTCOME: STOOL OUTPUT         |               |        |                    |             |  |                             |  |   |
|                               |               | A      | ---                | ( = %)      | , --- (≤ )                                 | -                           | -                                      | Standardized Mean Difference<br>0.0, 0.0, 0.0 |
| 0                             | 0             | A      | ---                | -           | -  | -                           | -                                      | -   |
| OUTCOME: WEIGHT GAIN          |               |        |                    |             |  |                             |  |   |
|                               |               | A      | ---                | ( = %)      | , --- (≤ )                                 | -                           | -                                      | Standardized Mean Difference<br>0.0, 0.0, 0.0 |
|                               | 0             | A      | ---                | -           | , --- (≤ )                                 | -                           | -                                      | 0.0 (0.0, . .)                                |
| OUTCOME: TREATMENT FAILURE    |               |        |                    |             |  |                             |  |   |
|                               |               | A      | ---                | ( = 0%)     | , --- (≤ )                                 | 0                           | 0                                      | Risk Ratio<br>0.0, 0.0, 0.0                   |
|                               | 0             | A      | ---                | ( = 0%)     | , --- (≤ )                                 | -                           | -                                      | 0.0, 0.0, 0.0                                 |



..... (..... 2).....

23,3  
1,44  
42,6  
3,43  
4  
3,42,4  
1,3,44,4  
1,3,42,44,4  
23,3,3,42-6  
( )  
1,44,4  
( .-0.30 % .-0.  
-0.04 =0.02) ( 4).

Table 4 Quality assessment of studies on lactose-free liquid feeds versus lactose-containing mixed diets

| Number of studies                    | Diarrhea mode | Design | QUALITY ASSESSMENT |             |  | SUMMARY OF FINDINGS         |  |   |
|--------------------------------------|---------------|--------|--------------------|-------------|--|-----------------------------|--|---|
|                                      |               |        | Limitations        | Consistency | Generalizability to population of interest | Overall quality of evidence | Number of events in intervention group | Number of events in control group         |
| <b>OUTCOME: DURATION OF DIARRHEA</b> |               |        |                    |             |  |                             |  |   |
|                                      |               | R      | ---                | -           | --- (≤ )                                   | -                           | -                                      | Standardized Mean Difference<br>0.0, 0.0  |
| P                                    | R             | R      | ---                | -           | --- (≤ )                                   | -                           | -                                      | 0.0, 0.0                                  |
| <b>OUTCOME: STOOL OUTPUT</b>         |               |        |                    |             |  |                             |  |   |
|                                      |               | R      | ---                | -           | --- (≤ )                                   | -                           | -                                      | Standardized Mean Difference<br>0.00, 0.0 |
| P                                    | R             | R      | ---                | ( = 0%)     | --- (≤ )                                   | -                           | -                                      | 0.0, 0.0                                  |
| <b>OUTCOME: WEIGHT GAIN</b>          |               |        |                    |             |  |                             |  |   |
|                                      |               | R      | ---                | -           | --- (≤ )                                   | -                           | -                                      | Standardized Mean Difference<br>0.0, 0.0  |
| P                                    | R             | R      | ---                | ( = %)      | --- (≤ )                                   | -                           | -                                      | 0.0, 0.0                                  |
| <b>OUTCOME: TREATMENT FAILURE</b>    |               |        |                    |             |  |                             |  |   |
|                                      |               | R      | ---                | ( = 0%)     | --- (≤ )                                   | -                           | -                                      | Risk Ratio<br>0.0, 0.0                    |
| P                                    | R             | R      | ---                | ( = %)      | --- (≤ )                                   | -                           | -                                      | 0.0, 0.0                                  |



1,4

,12,14 ,

B,2

4).

b.

## Conclusions

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## Authors' details

: 17 2013

## References

2000. Lancet 379(9832) 2010  
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The Journal of Pediatrics  
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## Additional material

- Additional File 1: Electronic search strategy for Medline, Embase and AMED databases
- Additional File 2: Abstracted data from all 29 studies included in the quantitative data synthesis
- Additional File 3: Eligible studies not included in the quantitative data synthesis
- Additional File 4: Forest plots for all comparisons and outcomes

## Competing interests

## Authors' contributions

## Declarations

BMC Public Health

C E G International  
 Journal of Epidemiology 39(1)  
 Cochrane Handbook for Systematic Reviews  
 of Interventions, Version 5.1.0  
 Lancet 341(8839) 6  
 Journal of Pediatrics 118(4)  
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 Journal of Pediatric Gastroenterology and Nutrition 10(2)  
 Archivos Latinoamericanos de Nutricion 44(1)  
 Journal of International Medical Research 9(3)  
 Journal of Pediatric Gastroenterology and Nutrition 7(2)  
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 Pediatric Gastroenterology and Nutrition 18(1)  
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