

## APPENDIX A

### Search strategy

Six databases (MEDLINE, Embase, CAB Abstracts, Current Contents, BIOSIS Previews, SciSearch) were searched from inception to May 2018 using the following search string:

```
(TI,AB(*osmol* OR hypertonic* OR (fortifi* OR concentrated) n/1 (breast p/0 milk OR breastmilk OR human p/0 milk)) AND TI,AB(baby OR babies OR birth OR infant* OR neonat* OR pediatric* OR paediatric* OR newborn* OR preterm* OR premature* OR prematurity) AND TI,AB(NEC OR necroti?ing p/0 enterocolitis OR *tolera* OR gastrointestinal OR gut OR gastric OR stomach OR intestin* OR infection* OR adverse OR complication* OR injur* OR damage* OR nutrition* p/0 status OR deficien* OR risk* OR safety OR death* OR mortalit* OR morbidit*)) OR (TI,AB(NEC OR necroti?ing p/0 enterocolitis) AND TI,AB(*osmol* OR hypertonic* OR (fortifi* OR concentrated) n/1 (breast p/0 milk OR breastmilk OR human p/0 milk))) NOT TI,AB(cosmolog* OR hypertonic p/0 saline)
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