

eAPPENDIX. Literature search strings.

In PubMed/Medline, we used the following keywords, with limits according to English language and to clinical or randomized controlled trials conducted in humans: (infections OR Bacterial infection OR bacteria OR virus diseases OR fascioliasis OR giardiasis OR helminthiasis OR hookworm infections OR intestinal diseases OR parasitic OR malaria OR parasitic diseases OR protozoan infections OR probiotics OR prebiotics) AND (atopic dermatitis OR eczema) AND (pregnancy OR child OR infant OR adolescent).

The same restrictions were applied in the Embase search, that was based on the following string: pregnancy OR child OR infant OR adolescent AND ('atopic dermatitis'/exp OR 'atopic dermatitis' OR 'eczema'/exp OR eczema) AND ('infection'/exp OR infection OR 'bacterium'/exp OR bacterium OR 'virus'/exp OR virus OR 'fascioliasis'/exp OR fascioliasis OR 'giardiasis'/exp OR giardiasis OR 'helminthiasis'/exp OR helminthiasis OR 'hookworm'/exp OR hookworm OR 'enteropathy'/exp OR enteropathy OR 'parasitosis'/exp OR parasitosis OR 'protozoon'/exp OR protozoon OR ('probiotic'/exp OR probiotic AND agent) OR 'prebiotic agent'/exp OR 'prebiotic agent') AND ([controlled clinical trial]/lim OR [randomized controlled trial]/lim) AND [english]/lim AND [humans]/lim.

We also searched the Cochrane Library for relevant reviews on the topic, using the search string: ((infections) or (bacteria) or (bacterial infection) or (virus diseases) or (helminthiasis) or (hookworm infections) or (intestinal diseases) or (parasitic) or (malaria) or (parasitic diseases) or (protozoan infections) or (probiotics) or (prebiotics)) and ((atopic dermatitis) or (eczema)) and ((pregnancy) or (child) or (infant) or (adolescent)).